

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION No. 176/2015

IN THE MATTER OF:

SHAILESH SINGH

...APPLICANT

VERSUS

**HOTEL HOLIDAY REGENCY,
MORADABAD & ORS.**

...RESPONDENTS

INDEX

<u>S.NO</u>	<u>PARTICULARS</u>	<u>PAGE No.</u>
1.	Additional Affidavit on behalf of Central Ground Water Authority (CGWA) Under Ministry of Jal Shakti (MOJS)	1-5
2.	<u>ANNEXURE -I</u> True Copy of Letter dated 10.03.2021 of the constitution of Expert Committee	6
3.	<u>ANNEXURE -II (COLLY)</u> True Copy of Public Notice No. 12/2021 by CGWA published in various newspapers	7-8
4.	<u>ANNEXURE -III</u> True Copy of Block-wise Ground Water Resources Assessment 2020	9-188
5.	<u>ANNEXURE -IV</u> True Copy of National Compilation on Dynamic Ground Water Resource of India, 2020.	189-559
6.	<u>ANNEXURE -V</u> True Copy of Public Notice dated 07.06.2021	560-561
7.	<u>ANNEXURE -VI</u> True Copy of Public Notice 20.07.2021 2021	562-564
8.	Proof of Service	565

Through:

FILED BY:



ARDHENDUMAULI KUMAR PRASAD

Senior Central Government Standing Counsel

Advocate for CGWA

A-52, Sector 17-A, NOIDA, U.P. 201301

E-Mail: mail@ardhendumauli.com

Ph: 0120-2488 800 - 802 9818612800

Date: 12.01.2022

Place: Noida

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

ORIGINAL APPLICATION No. 176 OF 2015

IN THE MATTER OF:

SHAILESH SINGH

...APPLICANT

VERSUS

**HOTEL HOLIDAY REGENCY,
MORADABAD & ORS.**

...RESPONDENTS

**ADDITIONAL AFFIDAVIT ON BEHALF OF CENTRAL GROUND
WATER AUTHORITY (CGWA) UNDER MINISTRY OF JAL SHAKTI
(MOJS)**

I, Sunil Kumar, Son of Late Shri Kabool Singh aged about 59 years, employed / appointed as the Member Secretary, in Central Ground Water Authority, functioning / officiating at New Delhi, do hereby solemnly affirm and declare as under:-

1. That I am duly authorised and competent to swear this affidavit on behalf of Central Ground Water Authority, Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti, Government of India, in the above matter.
2. That the above-mentioned case is pending before this Hon'ble Tribunal and is listed on 19.01.2022.
3. That in compliance to the Order dated 20.07.2020 in the above-mentioned matter, an Action Taken Report dated 01.02.2021 was filed before this Hon'ble Tribunal by the answering Respondent, contents of which are not being repeated for the sake of brevity.



4. That the present Additional Affidavit is being filed for placing on record certain additional facts and developments in furtherance of and supplemental to the Action Taken Report dated 01.02.2021 already filed by the answering Respondent.
5. That the deponent craves liberty to raise additional submission or file additional affidavits in case need arises during the course of arguments.
6. That it is submitted that in pursuance of the Order dated 20.07.2020 in the above-mentioned matter, wherein the Hon'ble Tribunal had directed in Para 39(d) that *"no general permission for withdrawal of ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual Assessment units in cumulative terms covering carrying capacity aspects by an expert committee."*
7. That in the Action Taken Report dated 01.02.2021 filed by the answering respondent, it was submitted before the Hon'ble Tribunal that *"the proposal for constitution of Expert Appraisal Committee to evaluate Environment Impact Assessment of project activity on individual Assessment units has been approved by the Ministry."*
8. That an Expert Appraisal Committee was constituted on 10.03.2021 and is operational to evaluate Environment Impact Assessment of project activity on individual Assessment units in respect to NOC applications proposing to draw groundwater beyond 100 KLD in OCS areas and also for >500 KLD in hard rock and >2000 KLD in soft rock/alluvium in Safe Blocks. The Committee has been constituted of the following learned and experienced Members for thorough examination of Impact Assessment Report / Comprehensive Hydrogeological Report:



1. Dr. P. Nandkumaran, Chairman, CGWB
2. Sh. P.N. Sharma, Controller of Mines and Chief Control of Mines (In charge), New Delhi
3. Sh. Motipalli Ramesh, Scientist-'E', Wetland Division, MoEF&CC, New Delhi
4. Sh. Sundeep, Scientist-'F', Director CP Division, MoEF&CC, New Delhi.
5. Divisional Head, WQM-I, Division, CPCB, New Delhi
6. Sh. KD Bhardwaj, Regional Director, NPC, New Delhi
7. Prof. Shashank Shekhar, Geology Department, Delhi University

It is further submitted that Minutes of Six Meetings have been uploaded on the official portal of CGWA for Information to the general public.

True Copy of Letter dated 10.03.2021 of the constitution of Expert Committee is marked herewith and annexed as ANNEXURE-I. [Page 6].

9. That for ensuring reliability of such Reports, Ground water professionals and institutions have been accredited to prepare Impact Assessment Reports/ Groundwater Modelling/ Hydrogeological Reports/ Water Audit Reports and only such Reports are considered for the issuance of No Objection Certificate.
10. That in compliance to the direction of Hon'ble Tribunal vide Order dated 20.07.2020, it is submitted in the Action Taken Report dated 01.02.2021 that a provision for installation of digital water flow meter (conforming to BIS/ IS standards) having telemetry system in the abstraction structure(s) shall be mandatory for all users seeking NOC to make sure that the ground water withdrawal is monitored. In continuation, it is further hereby submitted that proposal for development of Cloud based app for monitoring of the ground water withdrawal through obtaining real time telemetry data of flow meter is under process.



- 4
11. It is further submitted that a strict warning / deadline has been given to all the existing project proponents drawing ground water without a valid NOC and also those ground water users whose applications for grant of NOC have been rejected by CGWA on the ground of non-submission of mandatory documents. The Authority has propagated vide various national daily and local newspapers that such project proponents who fail to apply for NOC by 31.03.2022 are liable to face legal action and pay Environmental Compensation for illegal withdrawal of ground water.

True Copy of Public Notice No. 12/2021 by CGWA published in various newspapers is marked herewith and annexed as **ANNEXURE -II (COLLY)** [Pages 7 to 8].

12. Furthermore, in the Action Taken Report it was submitted that Ground Water Assessment of the entire country in consultation with States/ UTs as on March 2020 is under progress and will be shared publicly once it is finalized. It is hereby submitted before the Hon'ble Tribunal that after developing software for Ground Water resource estimation in collaboration with IIT Hyderabad, Ground Water Resources Assessment- 2020 has been released by CGWB, according to which the number of Over- Exploited Assessment Units have been reduced from 1186 to 1114.

True Copy of Block-wise Ground Water Resources Assessment 2020 is marked herewith and annexed as **ANNEXURE- III.** [Pages 9 to 188].

True Copy of National Compilation on Dynamic Ground Water Resource of India, 2020 is marked herewith and annexed as **ANNEXURE- IV.** [Pages 189 to 559].



5

13. That to further strengthen the regulatory regime as directed by Hon'ble NGT, in compliance to various matters before the Hon'ble National Green Tribunal, Public Notices have been issued for specific measures for extraction of groundwater for stadiums and swimming pools for ensuring effective steps for the protection of groundwater.

True Copy of Public Notice dated 07.06.2021 is marked herewith and annexed as ANNEXURE -V [Pages 560 to 561].

True Copy of Public Notice 20.07.2021 2021 is marked herewith and annexed as ANNEXURE -VI [Pages 562 to 564].

That the above details are humbly submitted for perusal of the Hon'ble National Green Tribunal. In light of the aforementioned facts and the Action Taken Report already filed before the Hon'ble Tribunal, it is respectfully prayed that the Original application no. 176 of 2015 may kindly be disposed of with appropriate orders as it deem fit.

I identify the Executant/Deponent who has signed in my presence.

SUNIL KUMAR Digitally signed by SUNIL KUMAR Date: 2022.01.11 16:10:55 +05:30

DEPONENT

सुनील कुमार / SUNIL KUMAR
सदस्य / Member
केन्द्रीय मृत्ति जल प्राधिकरण / Central Ground Water Authority
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Department of Water Resources, River Development & Ganga Rejuvenation
जल शक्ति मंत्रालय / Ministry of Jal Shakti
भारत सरकार / Government of India

VERIFICATION

Verified at 12 JAN 2022 on this January, 2022 that the contents of the above affidavit are true and correct to my knowledge. No part of it is false and nothing material has been concealed there from.

SUNIL KUMAR Digitally signed by SUNIL KUMAR Date: 2022.01.11 16:11:44 +05:30

DEPONENT

सुनील कुमार / SUNIL KUMAR
सदस्य / Member
केन्द्रीय मृत्ति जल प्राधिकरण / Central Ground Water Authority
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Department of Water Resources, River Development & Ganga Rejuvenation
जल शक्ति मंत्रालय / Ministry of Jal Shakti
भारत सरकार / Government of India

ATTESTED
NOTARY PUBLIC
12 JAN 2022



File no: - CGWA-21/1/2021-CGWA -104 6
 Government of India
 Ministry of Jal Shakti
 Department of Water Resources, RD & GR
 Central Ground Water Authority
 18/11, Jamnagar House, Mansingh Road
 New Delhi - 110011
 E-mail: cgwa@nic.in
 Date - 10 MAR 2021

To,
 The Director (GW),
 Ministry of Jal Shakti,
 Department of water resources, RD & GR,
 Shram Shakti Bhawan,
 New Delhi- 110001

Sub- Constitution of an Expert Committee for evaluation of projects before grant of NOC for abstraction of groundwater relating to Industry/ Infra/ Mining category.

Sir,

With reference to your letter No. T-66013/1/2021-GW Section- MOWR, dated 19.01.2021 this is to inform that the committee has been constituted and the following members have been nominated:-

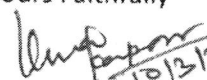
1. Sh. G.C. Pati, Chairman, CGWB	-Chairman
2. Sh. P.N. Sharma, Controller of Mines and Chief control of Mines (In-charge), New Delhi	-Member
3. Sh. Motipalli Ramesh, Scientist "E", wetland Division, MoEF&CC, New Delhi	-Member
4. Sh. Sundeep, Scientist 'F' and director, CP division, MoEF&CC, New Delhi	-Member
5. Divisional Head, WQM I Division, CPCB, New Delhi	-Member
6. Sh. KD Bhardwaj, Regional Director, NPC, New Delhi Member	-
7. Prof. Shashank Shekhar, Geology Deptt, Delhi University	-Honorary Member
8. Dr. Uma Kapoor, Regional Director, CGWA	-Member Secretary

No TA/DA or sitting charges shall be paid to the honorary member . This is for your kind information and further necessary action.

This issues with the approval of the Chairman

o/c

Yours Faithfully


 10/3/2021
 Dr. Uma Kapoor
 Regional Director



The Sentinel
of this land, for its people

Central Ground Water Authority (CGWA)
Department of Water Resources, River Development and Ganga Rejuvenation
Ministry of Jal Shakti
Government of India

Date- 06.09.2021

PUBLIC NOTICE No. 12/2021

Whereas the Central Government constituted the Central Ground Water Authority vide notification Number S.O. 38(E), dated 14th January, 1997, followed by notification number S.O. 1124(E) dated 6th November, 2000 and S.O. 1121(E) dated 13th May, 2010 of the Government of India in the Ministry of Environment & Forests, for the purposes of regulation and control of ground water development and

management in the whole of India and to issue necessary regulatory directions.

And whereas the Hon'ble National Green Tribunal, New Delhi, in its Order dated 15.04.2015 in O.A. No. 204/2014 and connected matters, has directed that "any person operating tubewell or any means to extract ground water should obtain its permission and should operate the same subject to law in force, even if such unit is existing unit or the unit is still to be established".

And whereas, in pursuance to above directions from Hon'ble NGT all existing/new ground water users including Industrial/ Infrastructure/ Mining Projects were directed to submit their applications for No Objection Certificates (NOC) latest by 30.06.2020 vide Public Notice dated 01.04.2020.

And whereas revised CGWA guidelines for NOC for ground water withdrawal have been notified vide Notification No. S.O. 3289(E), dated 24.09.2020, available on CGWA website (<http://cgwa-noc.gov.in/LandingPage/Guidelines/NewGuidelinesNotified250920.pdf#ZOOM=100>).

Now, therefore, all the users including Residential apartments, Group Housing Societies, Government water supply agencies in urban areas and Industrial, Infrastructure and Mining Projects and Swimming Pools whether existing or new (except exempted category as per section 1 of notified guidelines), drawing or proposing to draw ground water are required to obtain NOC as per the guidelines and are hereby directed to submit their applications for NOC through online portal of CGWA (<http://cgwa-noc.gov.in>) or respective State Authorities, as the case may be. The applications received in CGWA shall be processed as per guidelines dated 24.09.2020 and subsequent public notices issued in this regard.

Since, the last date provided for submission of applications is already over, the applicants shall be liable to pay a late fee of Rs. 1 lakh along with ground water abstraction/restoration charges w.e.f. 24.09.2020. However, such applicants shall be exempted to pay Environmental Compensation till 31.03.2022. All project proponents drawing ground water but fail to apply for NOC by 31.03.2022 are liable to face legal action and pay Environmental Compensation for illegal withdrawal of ground water.

It is hereby also informed that all the ground water users whose applications for grant of NOC have been rejected by CGWA on the ground of non-submission of mandatory documents shall be required to resubmit their applications for grant of NOC by 31.03.2022 through online portal of CGWA or respective State Authorities, as the case may be, failing which legal action as per proviso of the notified vide Notification No. S.O. 3289(E), dated 24.09.2020 shall be initiated.

Chairman
06.09.2021

davp 45104/11/0001/2122

Annexure - II

केंद्रीय भूमि जल प्राधिकरण (CGWA)

जल संसाधन, नदी विकास और गंगा संरक्षण विभाग

जल शक्ति मंत्रालय

भारत सरकार

सार्वजनिक सूचना सं. 12/2021

केंद्र सरकार ने भारत सरकार की पर्यावरण और वन मंत्रालय के एस ओ 38(ई) दिनांक 14 जनवरी 1997, तदुपरांत एस ओ 1124(ई) दिनांक 6 नवंबर 2000 और एस ओ 1121 (ई) दिनांक 13 मई 2010 की अधिसूचना के तहत पूरे भारत में भूजल विकास तथा प्रबंधन के विनियमन और नियंत्रण के उद्देश्यों के लिए और आवश्यक विनियामक दिशा निर्देश जारी करने के लिए केंद्रीय भूमि जल प्राधिकरण गठित किया है।

और माननीय राष्ट्रीय हरित अधिकरण (एन जी टी), नई दिल्ली ने ओए क्रमांक 204/2014 और इससे सम्बद्ध मामलों में दिनांक 15.04.2015 के अपने आदेश में यह निर्देश दिया है कि "भूजल की निकासी के लिए ट्यूबवेल अथवा अन्य किसी साधन का प्रयोग करने वाले प्रत्येक व्यक्ति को मौजूदा इकाई अथवा स्थापित की जाने वाली इकाईयों के मामले में इसकी अनुमति लेनी होगी तथा इसका प्रयोग प्रशस्ति कानून के अनुसार किया जाएगा।

और माननीय एनजीटी के उपरोक्त निर्देश के अनुसरण में औद्योगिक/ अवसंरचना/ खनन परियोजनाओं सहित सभी मौजूदा/ नए भूजल उपयोगकर्ताओं को दिनांक 01.04.2020 की सार्वजनिक सूचना के तहत दिनांक 30.06.2020 तक अनापत्ति प्रमाण पत्र (एनओसी) प्राप्त करने के लिए अपने आवेदन जमा करने का निर्देश दिया गया था।

और भूजल निकासी के लिए एनओसी हेतु सीजीडब्ल्यू के संबंधित दिशानिर्देश अधिसूचना संख्या एस.ओ. 3289 (ई), दिनांक 24.09.2020 द्वारा अधिसूचित किए गए हैं, ये दिशानिर्देश सीजीडब्ल्यू की वेबसाइट (<http://cgwanoc.gov.in/LandingPage/Guidelines/NewGuidelinesNotified250920.pdf#ZOOM=100>) पर उपलब्ध हैं।

अतः अब, आवासीय अपार्टमेंट, ग्रुप हाउसिंग सोसायटी, शहरी क्षेत्रों की सरकारी जल आपूर्ति एजेंसियां, उद्योग, बुनियादी ढांचा, खनन परियोजनाएं और सिविलियन पूल सहित सभी मौजूदा अथवा नए उपयोगकर्ताओं, (अधिसूचित दिशानिर्देशों की धारा 1 के अनुसार छूट प्राप्त श्रेणी को छोड़कर) को इस दिशा निर्देशों के अनुसार भूजल निकासी के लिए एनओसी लेनी होगी। एतद्वारा सभी उपयोगकर्ताओं को सीजीडब्ल्यू के ऑनलाइन पोर्टल (<http://cgwanoc.gov.in>) या संबंधित राज्य प्राधिकरणों के माध्यम से एनओसी के लिए अपने आवेदन जमा करने का निर्देश दिया जाता है। सीजीडब्ल्यू द्वारा प्राप्त आवेदनों पर दिनांक 24.09.2020 के दिशानिर्देशों और तदुपरांत जारी किए गए सार्वजनिक सूचनाओं के अनुसार कार्रवाई की जाएगी। चुकी आवेदन जमा करने की अंतिम तिथि समाप्त हो चुकी है अतः आवेदकों को दिनांक 24.09.2020 से भूजल निकासी / पुनरुद्धार शुल्क सहित 1 लाख रु. के विलय शुल्क का भुगतान करना होगा। ऐसे आवेदकों को दिनांक 31.03.2022 तक पर्यावरण क्षतिपूर्ति शुल्क से छूट दी जाएगी। यदि भूजल की निकासी कर रहे परियोजना प्रस्तावक दिनांक 31.03.2022 तक एनओसी के लिए आवेदन करने में विफल रहते हैं तो उनके विरुद्ध कानूनी कार्रवाई की जाएगी और वे भूजल की अथवा निकासी के कारण पर्यावरणीय क्षतिपूर्ति शुल्क का भुगतान करने के उत्तरदायी होंगे।

एतद्वारा यह भी सूचित किया जाता है कि ऐसे सभी भूजल उपयोगकर्ता जिनके अनापत्ति प्रमाण पत्र के आवेदन अनिवार्य दस्तावेज सलमन न होने के सीजीडब्ल्यू द्वारा अस्वीकृत कर दिए गए थे, उन्हें भी दिनांक 31.03.2022 तक सीजीडब्ल्यू या संबंधित राज्य प्राधिकरणों के ऑनलाइन पोर्टल के माध्यम से, जैसा भी मामला हो, एनओसी के लिए पुनः आवेदन जमा करने होंगे अन्यथा अधिसूचना संख्या एस.ओ. 3289(ई), दिनांक 24.09.2020 के प्रावधानों के अनुसार कानूनी कार्रवाई की जाएगी।

davp 45104/11/0001/2122

अध्यक्ष

06.09.2021

Date- 06.09.2021

Date- 06.09.2021

dayp 45104/11/0001/2122

Chairman
06.09.2021

Saakshi Telugu News Daily → 13/09/2021, Hyderabad

ତାରି: 06-09-2021

dayp 45104/11/0001/2122

చైర్మన్
06-09-2021

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1	Andaman & Nicobar Islands	N & M Andaman	AVES ISLAND	Safe
2	Andaman & Nicobar Islands	N & M Andaman	BARATANG ISLAND	Safe
3	Andaman & Nicobar Islands	N & M Andaman	EAST ISLAND	Safe
4	Andaman & Nicobar Islands	N & M Andaman	INTERVIEW ISLAND	Safe
5	Andaman & Nicobar Islands	N & M Andaman	LONG ISLAND	Safe
6	Andaman & Nicobar Islands	N & M Andaman	MIDDLE ANDAMAN	Safe
7	Andaman & Nicobar Islands	N & M Andaman	NARCONDAM ISLAND	Safe
8	Andaman & Nicobar Islands	N & M Andaman	NORTH ANDAMAN	Safe
9	Andaman & Nicobar Islands	N & M Andaman	NORTH PASSAGE ISLAND	Safe
10	Andaman & Nicobar Islands	N & M Andaman	PROLOB ISLAND	Safe
11	Andaman & Nicobar Islands	N & M Andaman	SMITH ISLAND	Safe
12	Andaman & Nicobar Islands	N & M Andaman	STEWART ISLAND	Safe
13	Andaman & Nicobar Islands	N & M Andaman	STRAIT ISLAND	Safe
14	Andaman & Nicobar Islands	Nicobar	BOMPOOKA ISLAND	Safe
15	Andaman & Nicobar Islands	Nicobar	CAR NICOBAR ISLAND	Safe
16	Andaman & Nicobar Islands	Nicobar	CHOWRA ISLAND	Saline
17	Andaman & Nicobar Islands	Nicobar	GREAT NICOBAR ISLAND	Safe
18	Andaman & Nicobar Islands	Nicobar	KAMORTA ISLAND	Safe
19	Andaman & Nicobar Islands	Nicobar	KATCHAL ISLAND	Safe
20	Andaman & Nicobar Islands	Nicobar	KONDUL ISLAND	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
21	Andaman & Nicobar Islands	Nicobar	LITTLE NICOBAR ISLAND	Safe
22	Andaman & Nicobar Islands	Nicobar	NANCOWRIE ISLAND	Safe
23	Andaman & Nicobar Islands	Nicobar	PULO MILO ISLAND	Safe
24	Andaman & Nicobar Islands	Nicobar	TERESSA ISLAND	Safe
25	Andaman & Nicobar Islands	Nicobar	TILLANGCHANG ISLAND	Safe
26	Andaman & Nicobar Islands	Nicobar	TRINKET ISLAND	Safe
27	Andaman & Nicobar Islands	South Andaman	FLATBAY ISLAND	Safe
28	Andaman & Nicobar Islands	South Andaman	HAVOCK ISLAND	Safe
29	Andaman & Nicobar Islands	South Andaman	JOHN LAWRENCE ISLAND	Safe
30	Andaman & Nicobar Islands	South Andaman	LITTLE ANDAMAN	Safe
31	Andaman & Nicobar Islands	South Andaman	NEIL ISLAND	Safe
32	Andaman & Nicobar Islands	South Andaman	NORTH SENTINNEL ISLAND	Safe
33	Andaman & Nicobar Islands	South Andaman	PEEL ISLAND	Safe
34	Andaman & Nicobar Islands	South Andaman	PORT BLAIR	Safe
35	Andaman & Nicobar Islands	South Andaman	RUTLAND ISLAND	Safe
36	Andaman & Nicobar Islands	South Andaman	VIPER ISLAND	Safe
37	Andhra Pradesh	Anantapur	AGALI	Over-Exploited
38	Andhra Pradesh	Anantapur	AMADAGUR	Semi-Critical
39	Andhra Pradesh	Anantapur	AMARAPURAM	Over-Exploited
40	Andhra Pradesh	Anantapur	ANANTAPUR MANDAL	Safe
41	Andhra Pradesh	Anantapur	ATMAKUR	Safe
42	Andhra Pradesh	Anantapur	BATHALAPALLE	Safe
43	Andhra Pradesh	Anantapur	BELUGUPPA	Safe
44	Andhra Pradesh	Anantapur	BOMMANAHAL	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
45	Andhra Pradesh	Anantapur	BRAHMASAMUDRAM	Safe
46	Andhra Pradesh	Anantapur	BUKKAPATNAM	Safe
47	Andhra Pradesh	Anantapur	BUKKARAYASAMUDRAM	Safe
48	Andhra Pradesh	Anantapur	CHENNE KOTHAPALLE	Safe
49	Andhra Pradesh	Anantapur	CHILAMATHUR	Semi-Critical
50	Andhra Pradesh	Anantapur	D HIRCHAL	Safe
51	Andhra Pradesh	Anantapur	DHARMAVARAM	Safe
52	Andhra Pradesh	Anantapur	GANDLAPENTA	Over-Exploited
53	Andhra Pradesh	Anantapur	GARLADINNE	Safe
54	Andhra Pradesh	Anantapur	GOOTY	Safe
55	Andhra Pradesh	Anantapur	GORANTLA	Safe
56	Andhra Pradesh	Anantapur	GUDIBANDA	Over-Exploited
57	Andhra Pradesh	Anantapur	GUMMAGATTA	Safe
58	Andhra Pradesh	Anantapur	GUNTAKAL	Safe
59	Andhra Pradesh	Anantapur	HINDUPUR	Over-Exploited
60	Andhra Pradesh	Anantapur	KADIRI	Safe
61	Andhra Pradesh	Anantapur	KALYANDURG	Safe
62	Andhra Pradesh	Anantapur	KAMBADUR	Safe
63	Andhra Pradesh	Anantapur	KANAGANAPALLE	Safe
64	Andhra Pradesh	Anantapur	KANEKAL	Safe
65	Andhra Pradesh	Anantapur	KOTHACHERUVU	Over-Exploited
66	Andhra Pradesh	Anantapur	KUDAIR	Safe
67	Andhra Pradesh	Anantapur	KUNDURPI	Safe
68	Andhra Pradesh	Anantapur	LEPAKSHI	Over-Exploited
69	Andhra Pradesh	Anantapur	MADAKASIRA	Semi-Critical
70	Andhra Pradesh	Anantapur	MUDIGUBBA	Safe
71	Andhra Pradesh	Anantapur	NALLACHERUVU	Over-Exploited
72	Andhra Pradesh	Anantapur	NALLAMADA	Safe
73	Andhra Pradesh	Anantapur	NAMBULIPULIKUNTA	Critical
74	Andhra Pradesh	Anantapur	NARPALA	Safe
75	Andhra Pradesh	Anantapur	OBULADEVARACHERU VU	Safe
76	Andhra Pradesh	Anantapur	PAMIDI	Safe
77	Andhra Pradesh	Anantapur	PARIGI	Safe
78	Andhra Pradesh	Anantapur	PEDDAPAPPUR	Safe
79	Andhra Pradesh	Anantapur	PEDDAVADUGUR	Safe
80	Andhra Pradesh	Anantapur	PENU KONDA	Safe
81	Andhra Pradesh	Anantapur	PUTLUR	Over-Exploited
82	Andhra Pradesh	Anantapur	PUTTAPARTHI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
83	Andhra Pradesh	Anantapur	RAMAGIRI	Safe
84	Andhra Pradesh	Anantapur	RAPTADU	Safe
85	Andhra Pradesh	Anantapur	RAYADURG	Safe
86	Andhra Pradesh	Anantapur	RODDAM	Semi-Critical
87	Andhra Pradesh	Anantapur	ROLLA	Over-Exploited
88	Andhra Pradesh	Anantapur	SETTUR	Safe
89	Andhra Pradesh	Anantapur	SINGANAMALA	Safe
90	Andhra Pradesh	Anantapur	SOMANDEPALLE	Over-Exploited
91	Andhra Pradesh	Anantapur	TADIMARRI	Safe
92	Andhra Pradesh	Anantapur	TADPATRI	Safe
93	Andhra Pradesh	Anantapur	TALUPULA	Over-Exploited
94	Andhra Pradesh	Anantapur	TANAKAL	Over-Exploited
95	Andhra Pradesh	Anantapur	URAVAKONDA	Safe
96	Andhra Pradesh	Anantapur	VAJRAKARUR	Safe
97	Andhra Pradesh	Anantapur	VIDAPANAKAL	Safe
98	Andhra Pradesh	Anantapur	YADIKI	Over-Exploited
99	Andhra Pradesh	Anantapur	YELLANUR	Over-Exploited
100	Andhra Pradesh	Chittoor	B KOTHAKOTA	Safe
101	Andhra Pradesh	Chittoor	BAIREDDI PALLE	Semi-Critical
102	Andhra Pradesh	Chittoor	BANGARUPALEM	Safe
103	Andhra Pradesh	Chittoor	BUCHINAIDU KHANDRI	Safe
104	Andhra Pradesh	Chittoor	CHANDRAGIRI	Semi-Critical
105	Andhra Pradesh	Chittoor	CHINNAGOTTIGALLU	Safe
106	Andhra Pradesh	Chittoor	CHITTOOR MANDAL	Safe
107	Andhra Pradesh	Chittoor	CHOWDEPALLE	Semi-Critical
108	Andhra Pradesh	Chittoor	GANGADHARA NELLORE	Safe
109	Andhra Pradesh	Chittoor	GANGAVARAM	Semi-Critical
110	Andhra Pradesh	Chittoor	GUDI PALLE	Critical
111	Andhra Pradesh	Chittoor	GUDIPALA	Safe
112	Andhra Pradesh	Chittoor	GURRAMKONDA	Semi-Critical
113	Andhra Pradesh	Chittoor	IRALA	Safe
114	Andhra Pradesh	Chittoor	K V B PURAM	Safe
115	Andhra Pradesh	Chittoor	KALAKADA	Safe
116	Andhra Pradesh	Chittoor	KALIKIRI	Safe
117	Andhra Pradesh	Chittoor	KAMBHAMVARIPALLE	Safe
118	Andhra Pradesh	Chittoor	KARVETINAGAR	Safe
119	Andhra Pradesh	Chittoor	KUPPAM	Safe
120	Andhra Pradesh	Chittoor	KURABALAKOTA	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
121	Andhra Pradesh	Chittoor	MANDAPALLE	Safe
122	Andhra Pradesh	Chittoor	MULAKALACHERUVU	Safe
123	Andhra Pradesh	Chittoor	NAGALAPURAM	Safe
124	Andhra Pradesh	Chittoor	NAGARI	Semi-Critical
125	Andhra Pradesh	Chittoor	NARAYANAVANAM	Safe
126	Andhra Pradesh	Chittoor	NIMMANAPALLE	Semi-Critical
127	Andhra Pradesh	Chittoor	NINDRA	Critical
128	Andhra Pradesh	Chittoor	PAKALA	Semi-Critical
129	Andhra Pradesh	Chittoor	PALAMANER	Safe
130	Andhra Pradesh	Chittoor	PALASAMUDRAM	Semi-Critical
131	Andhra Pradesh	Chittoor	PEDDA PANJANI	Semi-Critical
132	Andhra Pradesh	Chittoor	PEDDAMANDYAM	Safe
133	Andhra Pradesh	Chittoor	PEDDATHIPPASAMUDR A	Safe
134	Andhra Pradesh	Chittoor	PENUMURU	Semi-Critical
135	Andhra Pradesh	Chittoor	PICHATUR	Safe
136	Andhra Pradesh	Chittoor	PILERU	Safe
137	Andhra Pradesh	Chittoor	PULICHERLA	Semi-Critical
138	Andhra Pradesh	Chittoor	PUNGANUR	Safe
139	Andhra Pradesh	Chittoor	PUTHALAPATTU	Critical
140	Andhra Pradesh	Chittoor	PUTTUR	Semi-Critical
141	Andhra Pradesh	Chittoor	RAMA KUPPAM	Semi-Critical
142	Andhra Pradesh	Chittoor	RAMACHANDRAPURA M-17	Semi-Critical
143	Andhra Pradesh	Chittoor	RAMASAMUDRAM	Critical
144	Andhra Pradesh	Chittoor	RENIGUNTA	Safe
145	Andhra Pradesh	Chittoor	ROMPICHERLA	Safe
146	Andhra Pradesh	Chittoor	SANTHI PURAM	Semi-Critical
147	Andhra Pradesh	Chittoor	SATYAVEDU	Safe
148	Andhra Pradesh	Chittoor	SODAM	Safe
149	Andhra Pradesh	Chittoor	SOMALA	Safe
150	Andhra Pradesh	Chittoor	SRIKALAHASTI	Safe
151	Andhra Pradesh	Chittoor	SRIRANGARAJAPURAM	Critical
152	Andhra Pradesh	Chittoor	THAMBALLAPALLE	Safe
153	Andhra Pradesh	Chittoor	THAVANAMPALLE	Semi-Critical
154	Andhra Pradesh	Chittoor	THOTTAMBEDU	Safe
155	Andhra Pradesh	Chittoor	TIRUPATI	Critical
156	Andhra Pradesh	Chittoor	TIRUPATI URBAN	Safe
157	Andhra Pradesh	Chittoor	VADAMALAPETA	Safe
158	Andhra Pradesh	Chittoor	VALMIKIPURAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
159	Andhra Pradesh	Chittoor	VARADAIHPALEM	Safe
160	Andhra Pradesh	Chittoor	VEDURU KUPPAM	Safe
161	Andhra Pradesh	Chittoor	VENKATAGIRI KOTA	Semi-Critical
162	Andhra Pradesh	Chittoor	VIJAYA PURAM	Safe
163	Andhra Pradesh	Chittoor	YADAMARI	Safe
164	Andhra Pradesh	Chittoor	YARRAVARIPALEM	Safe
165	Andhra Pradesh	Chittoor	YERPEDU	Safe
166	Andhra Pradesh	East Godavari	ADDATEEGALA	Safe
167	Andhra Pradesh	East Godavari	AINAVILLI	Safe
168	Andhra Pradesh	East Godavari	ALAMURU	Safe
169	Andhra Pradesh	East Godavari	ALLAVARAM	Saline
170	Andhra Pradesh	East Godavari	AMALAPURAM	Safe
171	Andhra Pradesh	East Godavari	AMBAJIPETA	Safe
172	Andhra Pradesh	East Godavari	ANAPARTHI	Safe
173	Andhra Pradesh	East Godavari	ATREYAPURAM	Safe
174	Andhra Pradesh	East Godavari	BICCAVOLU	Safe
175	Andhra Pradesh	East Godavari	CHINTUR	Safe
176	Andhra Pradesh	East Godavari	DEVIPATNAM	Safe
177	Andhra Pradesh	East Godavari	GANDEPALLE	Safe
178	Andhra Pradesh	East Godavari	GANGAVARAM (EAST GODAVARI)	Safe
179	Andhra Pradesh	East Godavari	GOKAVARAM	Safe
180	Andhra Pradesh	East Godavari	GOLLAPROLU	Safe
181	Andhra Pradesh	East Godavari	I POLAVARAM	Saline
182	Andhra Pradesh	East Godavari	JAGGAMPETA	Safe
183	Andhra Pradesh	East Godavari	KADIAM	Safe
184	Andhra Pradesh	East Godavari	KAJULURU	Saline
185	Andhra Pradesh	East Godavari	KAKINADA (RURAL)	Safe
186	Andhra Pradesh	East Godavari	KAKINADA (URBAN)	Safe
187	Andhra Pradesh	East Godavari	KAPILESWARAPURAM	Safe
188	Andhra Pradesh	East Godavari	KARAPA	Saline
189	Andhra Pradesh	East Godavari	KATRENIKONA	Saline
190	Andhra Pradesh	East Godavari	KIRLAMPUDI	Safe
191	Andhra Pradesh	East Godavari	KORUKONDA	Safe
192	Andhra Pradesh	East Godavari	KOTANANDURU	Safe
193	Andhra Pradesh	East Godavari	KOTHAPALLEE	Safe
194	Andhra Pradesh	East Godavari	KOTHAPETA	Safe
195	Andhra Pradesh	East Godavari	KUNAVARAM	Safe
196	Andhra Pradesh	East Godavari	MALIKIPURAM	Safe
197	Andhra Pradesh	East Godavari	MAMIDIKUDURU	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
198	Andhra Pradesh	East Godavari	MANDAPETA	Safe
199	Andhra Pradesh	East Godavari	MAREDUMILLI	Safe
200	Andhra Pradesh	East Godavari	MUMMIDIVARAM	Safe
201	Andhra Pradesh	East Godavari	NELLIPAKA	Safe
202	Andhra Pradesh	East Godavari	P GANNAVARAM	Safe
203	Andhra Pradesh	East Godavari	PAMARRU (EAST GODAVARI)	Safe
204	Andhra Pradesh	East Godavari	PEDAPUDI	Safe
205	Andhra Pradesh	East Godavari	PEDDAPURAM	Safe
206	Andhra Pradesh	East Godavari	PITHAPURAM	Safe
207	Andhra Pradesh	East Godavari	PRATHIPADU (EAST GODAVARI)	Safe
208	Andhra Pradesh	East Godavari	RAJAHMUNDRY (URBAN)	Semi-Critical
209	Andhra Pradesh	East Godavari	RAJAHMUNDRY RURAL	Safe
210	Andhra Pradesh	East Godavari	RAJANAGARAM	Safe
211	Andhra Pradesh	East Godavari	RAJAVOMMANGI	Safe
212	Andhra Pradesh	East Godavari	RAMACHANDRAPURAM	Safe
213	Andhra Pradesh	East Godavari	RAMPACHODAVARAM	Safe
214	Andhra Pradesh	East Godavari	RANGAMPETA	Semi-Critical
215	Andhra Pradesh	East Godavari	RAVULAPALEM	Safe
216	Andhra Pradesh	East Godavari	RAYAVARAM	Safe
217	Andhra Pradesh	East Godavari	RAZOLE	Safe
218	Andhra Pradesh	East Godavari	ROUTHULAPUDI	Safe
219	Andhra Pradesh	East Godavari	SAKHINETIPALLE	Saline
220	Andhra Pradesh	East Godavari	SAMALKOTA	Safe
221	Andhra Pradesh	East Godavari	SANKHAVARAM	Safe
222	Andhra Pradesh	East Godavari	SEETHANAGARAM	Safe
223	Andhra Pradesh	East Godavari	THALLAREVU	Saline
224	Andhra Pradesh	East Godavari	THONDANGI	Safe
225	Andhra Pradesh	East Godavari	TUNI	Safe
226	Andhra Pradesh	East Godavari	UPPALAGUPTAM	Saline
227	Andhra Pradesh	East Godavari	VARARAMACHANDRAPUR	Safe
228	Andhra Pradesh	East Godavari	Y RAMAVARAM	Safe
229	Andhra Pradesh	East Godavari	YELESWARAM	Safe
230	Andhra Pradesh	Guntur	ACHAMPETA	Safe
231	Andhra Pradesh	Guntur	AMARAVATHI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
232	Andhra Pradesh	Guntur	AMRUTHALUR	Safe
233	Andhra Pradesh	Guntur	BAPATLA	Safe
234	Andhra Pradesh	Guntur	BELLAMKONDA	Safe
235	Andhra Pradesh	Guntur	BHATTIPROLU	Safe
236	Andhra Pradesh	Guntur	BOLLAPALLE	Over-Exploited
237	Andhra Pradesh	Guntur	CHEBROLE	Safe
238	Andhra Pradesh	Guntur	CHERUKUPALLE	Safe
239	Andhra Pradesh	Guntur	CHILAKALURIPET	Safe
240	Andhra Pradesh	Guntur	DACHEPALLE	Safe
241	Andhra Pradesh	Guntur	DUGGIRALA	Safe
242	Andhra Pradesh	Guntur	DURGI	Safe
243	Andhra Pradesh	Guntur	EDLAPADU	Safe
244	Andhra Pradesh	Guntur	GUNTUR MANDAL	Safe
245	Andhra Pradesh	Guntur	GURAZALA	Safe
246	Andhra Pradesh	Guntur	IPURU	Safe
247	Andhra Pradesh	Guntur	KAKUMANU	Safe
248	Andhra Pradesh	Guntur	KAREMPUDI	Safe
249	Andhra Pradesh	Guntur	KARLAPALEM	Safe
250	Andhra Pradesh	Guntur	KOLLIPARA	Safe
251	Andhra Pradesh	Guntur	KOLLUR	Safe
252	Andhra Pradesh	Guntur	KROSURU	Safe
253	Andhra Pradesh	Guntur	MACHAVARAM	Safe
254	Andhra Pradesh	Guntur	MACHERLA	Safe
255	Andhra Pradesh	Guntur	MANGALAGIRI	Safe
256	Andhra Pradesh	Guntur	MEDIKONDURU	Safe
257	Andhra Pradesh	Guntur	MUPPALLA	Safe
258	Andhra Pradesh	Guntur	NADENDLA	Safe
259	Andhra Pradesh	Guntur	NAGARAM	Safe
260	Andhra Pradesh	Guntur	NAKARIKALLU	Safe
261	Andhra Pradesh	Guntur	NARASARAOPETA	Safe
262	Andhra Pradesh	Guntur	NIZAMPATNAM	Safe
263	Andhra Pradesh	Guntur	NUZENDLA	Safe
264	Andhra Pradesh	Guntur	PEDAKAKANI	Safe
265	Andhra Pradesh	Guntur	PEDAKURAPADU	Safe
266	Andhra Pradesh	Guntur	PEDANANDIPADU	Saline
267	Andhra Pradesh	Guntur	PHIRANGIPURAM	Safe
268	Andhra Pradesh	Guntur	PIDUGURALLA	Critical
269	Andhra Pradesh	Guntur	PITTALAVANIPALEM	Safe
270	Andhra Pradesh	Guntur	PONNUR	Safe
271	Andhra Pradesh	Guntur	PRATHIPADU	Safe
272	Andhra Pradesh	Guntur	RAJUPALEM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
273	Andhra Pradesh	Guntur	RENTACHINTALA	Safe
274	Andhra Pradesh	Guntur	REPALLE	Safe
275	Andhra Pradesh	Guntur	ROMPACHERLA (GUNTUR)	Safe
276	Andhra Pradesh	Guntur	SATTENAPALLE	Safe
277	Andhra Pradesh	Guntur	SAVALYAPURAM	Safe
278	Andhra Pradesh	Guntur	TADIKONDA	Safe
279	Andhra Pradesh	Guntur	TENALI	Safe
280	Andhra Pradesh	Guntur	THADEPALLE	Safe
281	Andhra Pradesh	Guntur	THULLUR	Safe
282	Andhra Pradesh	Guntur	TSUNDUR	Safe
283	Andhra Pradesh	Guntur	VATTICHERUKURU	Saline
284	Andhra Pradesh	Guntur	VELDURTHI	Over-Exploited
285	Andhra Pradesh	Guntur	VEMURU	Safe
286	Andhra Pradesh	Guntur	VINUKONDA	Safe
287	Andhra Pradesh	Kadapa	ATLUR	Safe
288	Andhra Pradesh	Kadapa	B KODUR	Safe
289	Andhra Pradesh	Kadapa	BADVEL	Safe
290	Andhra Pradesh	Kadapa	BRAHMAMGARIMATT AM	Semi-Critical
291	Andhra Pradesh	Kadapa	CHAKNAYAPET	Safe
292	Andhra Pradesh	Kadapa	CHAPAD	Critical
293	Andhra Pradesh	Kadapa	CHENNUR	Semi-Critical
294	Andhra Pradesh	Kadapa	CHINNAMANDEM	Semi-Critical
295	Andhra Pradesh	Kadapa	CHINTHA KOMMADINNE	Safe
296	Andhra Pradesh	Kadapa	CHITVEL	Over-Exploited
297	Andhra Pradesh	Kadapa	CUDDAPAH MANDAL	Safe
298	Andhra Pradesh	Kadapa	DUVVUR	Semi-Critical
299	Andhra Pradesh	Kadapa	GALIVEEDU	Safe
300	Andhra Pradesh	Kadapa	GOPAVARAM	Safe
301	Andhra Pradesh	Kadapa	JAMMALAMADUGU	Safe
302	Andhra Pradesh	Kadapa	KALASAPADU	Safe
303	Andhra Pradesh	Kadapa	KAMALAPURAM	Critical
304	Andhra Pradesh	Kadapa	KHAJIPET	Safe
305	Andhra Pradesh	Kadapa	KODUR	Safe
306	Andhra Pradesh	Kadapa	KONDAPURAM	Safe
307	Andhra Pradesh	Kadapa	LAKKIREDDIPALLE	Safe
308	Andhra Pradesh	Kadapa	LINGALA	Safe
309	Andhra Pradesh	Kadapa	MUDDANUR	Safe
310	Andhra Pradesh	Kadapa	MYLAVARAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
311	Andhra Pradesh	Kadapa	NANDALUR	Safe
312	Andhra Pradesh	Kadapa	OBULAVARIPALLE	Semi-Critical
313	Andhra Pradesh	Kadapa	PEDDAMUDIUM	Safe
314	Andhra Pradesh	Kadapa	PENAGALURU	Safe
315	Andhra Pradesh	Kadapa	PENDLIMARRI	Safe
316	Andhra Pradesh	Kadapa	PORUMAMILLA	Safe
317	Andhra Pradesh	Kadapa	PRODDUTUR	Semi-Critical
318	Andhra Pradesh	Kadapa	PULIVENDLA	Over-Exploited
319	Andhra Pradesh	Kadapa	PULLAMPETA	Safe
320	Andhra Pradesh	Kadapa	RAJAMPET	Safe
321	Andhra Pradesh	Kadapa	RAJU PALEM	Safe
322	Andhra Pradesh	Kadapa	RAMAPURAM	Safe
323	Andhra Pradesh	Kadapa	ROYACHOTI	Semi-Critical
324	Andhra Pradesh	Kadapa	S MYDUKUR	Safe
325	Andhra Pradesh	Kadapa	SAMBEPALLE	Critical
326	Andhra Pradesh	Kadapa	SIDHOUT	Safe
327	Andhra Pradesh	Kadapa	SIMHADRI PURAM	Safe
328	Andhra Pradesh	Kadapa	SRI AVADHUTHA KASINAYANA	Safe
329	Andhra Pradesh	Kadapa	T SUNDUPALLE	Safe
330	Andhra Pradesh	Kadapa	THANDUR	Safe
331	Andhra Pradesh	Kadapa	VALLUR	Safe
332	Andhra Pradesh	Kadapa	VEERABALLE	Safe
333	Andhra Pradesh	Kadapa	VEERAPUNAYUNIPALLE	Safe
334	Andhra Pradesh	Kadapa	VEMPALLE	Critical
335	Andhra Pradesh	Kadapa	VEMULA	Critical
336	Andhra Pradesh	Kadapa	VONTIMITTA	Safe
337	Andhra Pradesh	Kadapa	YERRAGUNTALA	Safe
338	Andhra Pradesh	Krishna	A KONDURU	Safe
339	Andhra Pradesh	Krishna	AGIRIPALLE	Safe
340	Andhra Pradesh	Krishna	AVANIGADA	Safe
341	Andhra Pradesh	Krishna	BANTUMILLI	Saline
342	Andhra Pradesh	Krishna	BAPULAPAD	Safe
343	Andhra Pradesh	Krishna	CHALLAPALLE	Safe
344	Andhra Pradesh	Krishna	CHANDARLAPADU	Safe
345	Andhra Pradesh	Krishna	CHATRAI	Safe
346	Andhra Pradesh	Krishna	G KONDURU	Safe
347	Andhra Pradesh	Krishna	GAMPALAGUDEM	Safe
348	Andhra Pradesh	Krishna	GANNAVARAM	Safe
349	Andhra Pradesh	Krishna	GHANTASALA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
350	Andhra Pradesh	Krishna	GUDIVADA	Safe
351	Andhra Pradesh	Krishna	GUDLAVALLERU	Saline
352	Andhra Pradesh	Krishna	GUDUR (KRISHNA)	Saline
353	Andhra Pradesh	Krishna	IBRAHIMPATNAM	Safe
354	Andhra Pradesh	Krishna	JAGGAYYAPETA	Safe
355	Andhra Pradesh	Krishna	KAIKALUR	Saline
356	Andhra Pradesh	Krishna	KALIDINDI	Saline
357	Andhra Pradesh	Krishna	KANCHIKA CHERLA	Safe
358	Andhra Pradesh	Krishna	KANKIPADU	Safe
359	Andhra Pradesh	Krishna	KODURU	Saline
360	Andhra Pradesh	Krishna	KRUTHIVENNU	Saline
361	Andhra Pradesh	Krishna	MACHILIPATNAM	Saline
362	Andhra Pradesh	Krishna	MANDAVALLI	Saline
363	Andhra Pradesh	Krishna	MOPIDEVI	Safe
364	Andhra Pradesh	Krishna	MOVVA	Safe
365	Andhra Pradesh	Krishna	MUDINAPALLE	Saline
366	Andhra Pradesh	Krishna	MUSUNURU	Semi-Critical
367	Andhra Pradesh	Krishna	MYLAVARAM (KRISHNA)	Safe
368	Andhra Pradesh	Krishna	NAGAYALANKA	Saline
369	Andhra Pradesh	Krishna	NANDIGAMA	Safe
370	Andhra Pradesh	Krishna	NANDIVADA	Saline
371	Andhra Pradesh	Krishna	NUZVID	Safe
372	Andhra Pradesh	Krishna	PAMARRU	Safe
373	Andhra Pradesh	Krishna	PAMIDIMUKKALA	Safe
374	Andhra Pradesh	Krishna	PEDANA	Saline
375	Andhra Pradesh	Krishna	PEDAPARUPUDI	Safe
376	Andhra Pradesh	Krishna	PENAMALURU	Safe
377	Andhra Pradesh	Krishna	PENUGANCHIPROLU	Safe
378	Andhra Pradesh	Krishna	REDDIGUDEM	Safe
379	Andhra Pradesh	Krishna	THOTLAVALLURU	Safe
380	Andhra Pradesh	Krishna	TIRUVURU	Safe
381	Andhra Pradesh	Krishna	UNGUTURU	Safe
382	Andhra Pradesh	Krishna	VATSAVAI	Safe
383	Andhra Pradesh	Krishna	VEERULLAPADU	Safe
384	Andhra Pradesh	Krishna	VIJAYAWADA RURAL	Safe
385	Andhra Pradesh	Krishna	VIJAYAWADA URBAN	Safe
386	Andhra Pradesh	Krishna	VISSANNAPET	Safe
387	Andhra Pradesh	Krishna	VUYYURU	Safe
388	Andhra Pradesh	Kurnool	ADONI	Safe
389	Andhra Pradesh	Kurnool	ALLAGADDA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
390	Andhra Pradesh	Kurnool	ALUR	Safe
391	Andhra Pradesh	Kurnool	ASPARI	Safe
392	Andhra Pradesh	Kurnool	ATMAKUR (KURNOOL)	Safe
393	Andhra Pradesh	Kurnool	BANAGANAPALLE	Safe
394	Andhra Pradesh	Kurnool	BANDI ATMAKUR	Safe
395	Andhra Pradesh	Kurnool	BETHAMCHERLA	Critical
396	Andhra Pradesh	Kurnool	C BELAGAL	Safe
397	Andhra Pradesh	Kurnool	CHAGALAMARRI	Semi-Critical
398	Andhra Pradesh	Kurnool	CHIPPAGIRI	Safe
399	Andhra Pradesh	Kurnool	DEVANAKONDA	Safe
400	Andhra Pradesh	Kurnool	DHONE	Safe
401	Andhra Pradesh	Kurnool	DORNIPADU	Safe
402	Andhra Pradesh	Kurnool	GADIVEMULA	Safe
403	Andhra Pradesh	Kurnool	GONEGANDLA	Safe
404	Andhra Pradesh	Kurnool	GOSPADU	Safe
405	Andhra Pradesh	Kurnool	GUDUR (KURNOOL)	Safe
406	Andhra Pradesh	Kurnool	HALAHARVI	Safe
407	Andhra Pradesh	Kurnool	HOLAGUNDA	Safe
408	Andhra Pradesh	Kurnool	JUPADU BUNGALOW	Safe
409	Andhra Pradesh	Kurnool	KALLUR	Safe
410	Andhra Pradesh	Kurnool	KODUMUR	Safe
411	Andhra Pradesh	Kurnool	KOILKUNTALA	Safe
412	Andhra Pradesh	Kurnool	KOLIMIGUNDLA	Safe
413	Andhra Pradesh	Kurnool	KOSIGI	Semi-Critical
414	Andhra Pradesh	Kurnool	KOTHAPALLE	Safe
415	Andhra Pradesh	Kurnool	KOWTHALAM	Safe
416	Andhra Pradesh	Kurnool	KRISHNAGIRI	Safe
417	Andhra Pradesh	Kurnool	KURNOOL MANDAL	Safe
418	Andhra Pradesh	Kurnool	MADDIKERA EAST	Safe
419	Andhra Pradesh	Kurnool	MAHANANDI	Safe
420	Andhra Pradesh	Kurnool	MANTRALAYAM	Safe
421	Andhra Pradesh	Kurnool	MIDTHUR	Safe
422	Andhra Pradesh	Kurnool	NANDAVARAM	Safe
423	Andhra Pradesh	Kurnool	NANDI KOTKUR	Safe
424	Andhra Pradesh	Kurnool	NANDYAL	Safe
425	Andhra Pradesh	Kurnool	ORVAKAL	Safe
426	Andhra Pradesh	Kurnool	OWK	Safe
427	Andhra Pradesh	Kurnool	PAGIDYALA	Safe
428	Andhra Pradesh	Kurnool	PAMULAPADU	Safe
429	Andhra Pradesh	Kurnool	PANYAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
430	Andhra Pradesh	Kurnool	PATTIKANDA	Safe
431	Andhra Pradesh	Kurnool	PEAPALLY	Safe
432	Andhra Pradesh	Kurnool	PEDDA KADUBUR	Safe
433	Andhra Pradesh	Kurnool	RUDRAVARAM	Safe
434	Andhra Pradesh	Kurnool	SANJAMALA	Safe
435	Andhra Pradesh	Kurnool	SIRVEL	Safe
436	Andhra Pradesh	Kurnool	SRISAILAM	Safe
437	Andhra Pradesh	Kurnool	TUGGALI	Safe
438	Andhra Pradesh	Kurnool	UYYALAWADA	Safe
439	Andhra Pradesh	Kurnool	VELDURTHI (KURNOOL)	Safe
440	Andhra Pradesh	Kurnool	VELGODE	Safe
441	Andhra Pradesh	Kurnool	YEMMIGANUR	Safe
442	Andhra Pradesh	Nellore	ALLUR	Safe
443	Andhra Pradesh	Nellore	ANANTHASAGARAM	Safe
444	Andhra Pradesh	Nellore	ANUMASAMUDRAMPE TA	Safe
445	Andhra Pradesh	Nellore	ATMAKUR (NELLORE)	Safe
446	Andhra Pradesh	Nellore	BALAYAPALLE	Safe
447	Andhra Pradesh	Nellore	BOGOLE	Safe
448	Andhra Pradesh	Nellore	BUCCHIREDDIPALEM	Safe
449	Andhra Pradesh	Nellore	CHEJERLA	Safe
450	Andhra Pradesh	Nellore	CHILLAKUR	Safe
451	Andhra Pradesh	Nellore	CHITTAMUR	Safe
452	Andhra Pradesh	Nellore	DAGADARTHI	Safe
453	Andhra Pradesh	Nellore	DAKKILI	Safe
454	Andhra Pradesh	Nellore	DORAVARISATRAM	Safe
455	Andhra Pradesh	Nellore	DUTTALUR	Safe
456	Andhra Pradesh	Nellore	GUDUR	Semi-Critical
457	Andhra Pradesh	Nellore	INDUKURPET	Safe
458	Andhra Pradesh	Nellore	JALADANKI	Safe
459	Andhra Pradesh	Nellore	KALIGIRI	Safe
460	Andhra Pradesh	Nellore	KALUVOYA	Safe
461	Andhra Pradesh	Nellore	KAVALI	Safe
462	Andhra Pradesh	Nellore	KODAVALUR	Safe
463	Andhra Pradesh	Nellore	KONDAPURAM (NELLORE)	Safe
464	Andhra Pradesh	Nellore	KOTA	Safe
465	Andhra Pradesh	Nellore	KOVUR	Safe
466	Andhra Pradesh	Nellore	MANUBOLU	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
467	Andhra Pradesh	Nellore	MARRIPADU	Safe
468	Andhra Pradesh	Nellore	MUTHUKUR	Safe
469	Andhra Pradesh	Nellore	NAIDUPETA	Critical
470	Andhra Pradesh	Nellore	NELLORE MANDAL	Safe
471	Andhra Pradesh	Nellore	OJILI	Safe
472	Andhra Pradesh	Nellore	PELLAKUR	Safe
473	Andhra Pradesh	Nellore	PODLAKUR	Safe
474	Andhra Pradesh	Nellore	RAPUR	Safe
475	Andhra Pradesh	Nellore	SANGAM	Safe
476	Andhra Pradesh	Nellore	SEETHARAMAPURAM	Safe
477	Andhra Pradesh	Nellore	SULLURPETA	Safe
478	Andhra Pradesh	Nellore	SYDAPURAM	Safe
479	Andhra Pradesh	Nellore	TADA	Safe
480	Andhra Pradesh	Nellore	THOTAPALLIGUDUR	Safe
481	Andhra Pradesh	Nellore	UDAYAGIRI	Safe
482	Andhra Pradesh	Nellore	VAKADU	Safe
483	Andhra Pradesh	Nellore	VARIKUNTAPADU	Safe
484	Andhra Pradesh	Nellore	VENKATACHALAM	Safe
485	Andhra Pradesh	Nellore	VENKATAGIRI	Safe
486	Andhra Pradesh	Nellore	VIDAVALUR	Safe
487	Andhra Pradesh	Nellore	VINJAMUR	Safe
488	Andhra Pradesh	Prakasam	ADDANKI	Safe
489	Andhra Pradesh	Prakasam	ARDHAVEEDU	Safe
490	Andhra Pradesh	Prakasam	BALLIKURUVA	Safe
491	Andhra Pradesh	Prakasam	BESTAVARIPETA	Safe
492	Andhra Pradesh	Prakasam	CHADRASEKARAPURAM	Safe
493	Andhra Pradesh	Prakasam	CHIMAKURTHI	Safe
494	Andhra Pradesh	Prakasam	CHINAGANJAM	Safe
495	Andhra Pradesh	Prakasam	CHIRALA	Safe
496	Andhra Pradesh	Prakasam	CUMBUM	Semi-Critical
497	Andhra Pradesh	Prakasam	DARSI	Safe
498	Andhra Pradesh	Prakasam	DONAKONDA	Safe
499	Andhra Pradesh	Prakasam	DORNALA	Safe
500	Andhra Pradesh	Prakasam	GIDDALURU	Semi-Critical
501	Andhra Pradesh	Prakasam	GUDLURU	Safe
502	Andhra Pradesh	Prakasam	HANUMANTHUNIPADU	Safe
503	Andhra Pradesh	Prakasam	INKOLLU	Safe
504	Andhra Pradesh	Prakasam	JANAKAVARAMPANGULU	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
505	Andhra Pradesh	Prakasam	KANDUKUR	Safe
506	Andhra Pradesh	Prakasam	KANIGIRI	Safe
507	Andhra Pradesh	Prakasam	KARAMCHEDU	Saline
508	Andhra Pradesh	Prakasam	KOMAROLU	Semi-Critical
509	Andhra Pradesh	Prakasam	KONAKANAMITLA	Safe
510	Andhra Pradesh	Prakasam	KONDAPI	Safe
511	Andhra Pradesh	Prakasam	KORISAPADU	Safe
512	Andhra Pradesh	Prakasam	KOTHAPATNAM	Safe
513	Andhra Pradesh	Prakasam	KURICHEDU	Safe
514	Andhra Pradesh	Prakasam	LINGASAMUDRAM	Safe
515	Andhra Pradesh	Prakasam	MADDIPADU	Safe
516	Andhra Pradesh	Prakasam	MARKAPUR	Over-Exploited
517	Andhra Pradesh	Prakasam	MARRIPUDI	Safe
518	Andhra Pradesh	Prakasam	MARTUR	Safe
519	Andhra Pradesh	Prakasam	MUNDLAMURU	Safe
520	Andhra Pradesh	Prakasam	NAGULUPPALAPADU	Safe
521	Andhra Pradesh	Prakasam	ONGOLE	Safe
522	Andhra Pradesh	Prakasam	PAMUR	Safe
523	Andhra Pradesh	Prakasam	PARCHUR	Safe
524	Andhra Pradesh	Prakasam	PEDAARAVEEDU	Over-Exploited
525	Andhra Pradesh	Prakasam	PEDACHERLOPALLE	Safe
526	Andhra Pradesh	Prakasam	PODILI	Safe
527	Andhra Pradesh	Prakasam	PONNALURU	Safe
528	Andhra Pradesh	Prakasam	PULLALACHERUVU	Over-Exploited
529	Andhra Pradesh	Prakasam	RACHERLA	Over-Exploited
530	Andhra Pradesh	Prakasam	SANTHAMAGULURU	Safe
531	Andhra Pradesh	Prakasam	SANTHANUTHLAPADU	Safe
532	Andhra Pradesh	Prakasam	SINGARAYAKONDA	Safe
533	Andhra Pradesh	Prakasam	TANGUTUR	Safe
534	Andhra Pradesh	Prakasam	TARLAPADU	Semi-Critical
535	Andhra Pradesh	Prakasam	THALLUR	Safe
536	Andhra Pradesh	Prakasam	TRIPURANTHAKAM	Safe
537	Andhra Pradesh	Prakasam	ULAVAPADU	Safe
538	Andhra Pradesh	Prakasam	VELIGANDLA	Safe
539	Andhra Pradesh	Prakasam	VETAPALEM	Safe
540	Andhra Pradesh	Prakasam	VOLETIVARIPALEM	Safe
541	Andhra Pradesh	Prakasam	YEDDANAPUDI	Safe
542	Andhra Pradesh	Prakasam	YERRAGONDAPALEM	Safe
543	Andhra Pradesh	Prakasam	ZARUGUMILLI	Safe
544	Andhra Pradesh	Srikakulam	AMADALAVALASA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
545	Andhra Pradesh	Srikakulam	BHAMINI	Safe
546	Andhra Pradesh	Srikakulam	BURJA	Safe
547	Andhra Pradesh	Srikakulam	ETCHERLA	Safe
548	Andhra Pradesh	Srikakulam	GANGUVARI SINGADAM	Safe
549	Andhra Pradesh	Srikakulam	GARA	Safe
550	Andhra Pradesh	Srikakulam	HIRAMANDALAM	Safe
551	Andhra Pradesh	Srikakulam	ICHCHAPURAM	Safe
552	Andhra Pradesh	Srikakulam	JALUMURU	Safe
553	Andhra Pradesh	Srikakulam	KANCHILI	Safe
554	Andhra Pradesh	Srikakulam	KAVITI	Safe
555	Andhra Pradesh	Srikakulam	KOTABOMMAL	Safe
556	Andhra Pradesh	Srikakulam	KOTHURU	Safe
557	Andhra Pradesh	Srikakulam	LAVERU	Safe
558	Andhra Pradesh	Srikakulam	LAXMINARASAMPET	Safe
559	Andhra Pradesh	Srikakulam	MANDASA	Safe
560	Andhra Pradesh	Srikakulam	MELIAPUTTI	Safe
561	Andhra Pradesh	Srikakulam	NANDIGAM	Safe
562	Andhra Pradesh	Srikakulam	NARASANNAPETA	Safe
563	Andhra Pradesh	Srikakulam	PALAKONDA	Safe
564	Andhra Pradesh	Srikakulam	PALASA	Safe
565	Andhra Pradesh	Srikakulam	PATHAPATNAM	Safe
566	Andhra Pradesh	Srikakulam	POLAKI	Safe
567	Andhra Pradesh	Srikakulam	PONDURU	Safe
568	Andhra Pradesh	Srikakulam	RAJAM	Safe
569	Andhra Pradesh	Srikakulam	RANASTALAM	Safe
570	Andhra Pradesh	Srikakulam	REGIDIAMADALAVALA SA	Safe
571	Andhra Pradesh	Srikakulam	SANTHABOMMALI	Safe
572	Andhra Pradesh	Srikakulam	SANTHAKAVITI	Safe
573	Andhra Pradesh	Srikakulam	SARAVAKOTA	Safe
574	Andhra Pradesh	Srikakulam	SARUBUJJILI	Safe
575	Andhra Pradesh	Srikakulam	SEETHAMPETA	Safe
576	Andhra Pradesh	Srikakulam	SOMPETA	Safe
577	Andhra Pradesh	Srikakulam	SRIKAKULAM MANDAL	Safe
578	Andhra Pradesh	Srikakulam	TEKKALI	Safe
579	Andhra Pradesh	Srikakulam	VAJRAPUKOTHURU	Safe
580	Andhra Pradesh	Srikakulam	VANGARA	Safe
581	Andhra Pradesh	Srikakulam	VEERAGHATTAM	Safe
582	Andhra Pradesh	Visakhapatnam	ANAKAPALLE	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
583	Andhra Pradesh	Visakhapatnam	ANANDAPURAM	Safe
584	Andhra Pradesh	Visakhapatnam	ANANTHAGIRI	Safe
585	Andhra Pradesh	Visakhapatnam	ARAKU VALLEY	Safe
586	Andhra Pradesh	Visakhapatnam	ATCHUTAPURAM	Safe
587	Andhra Pradesh	Visakhapatnam	BHEEMUNIPATNAM	Safe
588	Andhra Pradesh	Visakhapatnam	BUTCHAYYAPETA	Safe
589	Andhra Pradesh	Visakhapatnam	CHEEDIKADA	Safe
590	Andhra Pradesh	Visakhapatnam	CHINTAPALLE	Safe
591	Andhra Pradesh	Visakhapatnam	CHODAVARAM	Safe
592	Andhra Pradesh	Visakhapatnam	DEVARAPALLE (VISAKHAPATNAM)	Safe
593	Andhra Pradesh	Visakhapatnam	DUMBRIGUDA	Safe
594	Andhra Pradesh	Visakhapatnam	GANGARAJU MADUGULA	Safe
595	Andhra Pradesh	Visakhapatnam	GOLUGONDA	Safe
596	Andhra Pradesh	Visakhapatnam	GUDEM KOTHAVEEDHI	Safe
597	Andhra Pradesh	Visakhapatnam	GVMC	Safe
598	Andhra Pradesh	Visakhapatnam	HUKUMPETA	Safe
599	Andhra Pradesh	Visakhapatnam	K KOTAPADU	Safe
600	Andhra Pradesh	Visakhapatnam	KASIMKOTA	Safe
601	Andhra Pradesh	Visakhapatnam	KOTAURATLA	Safe
602	Andhra Pradesh	Visakhapatnam	KOYYURU	Safe
603	Andhra Pradesh	Visakhapatnam	MADUGULA	Safe
604	Andhra Pradesh	Visakhapatnam	MAKAVARAPALEM	Safe
605	Andhra Pradesh	Visakhapatnam	MUNAGAPAKA	Safe
606	Andhra Pradesh	Visakhapatnam	MUNCHINGIPUTTU	Safe
607	Andhra Pradesh	Visakhapatnam	NAKKAPALLE	Safe
608	Andhra Pradesh	Visakhapatnam	NARSIPATNAM	Safe
609	Andhra Pradesh	Visakhapatnam	NATHAVARAM	Safe
610	Andhra Pradesh	Visakhapatnam	PADERU	Safe
611	Andhra Pradesh	Visakhapatnam	PADMANABHAM	Safe
612	Andhra Pradesh	Visakhapatnam	PARAVADA	Safe
613	Andhra Pradesh	Visakhapatnam	PAYAKARAOPETA	Safe
614	Andhra Pradesh	Visakhapatnam	PEDABAYALU	Safe
615	Andhra Pradesh	Visakhapatnam	PENDURTHI	Safe
616	Andhra Pradesh	Visakhapatnam	RAMBILLI	Safe
617	Andhra Pradesh	Visakhapatnam	RAVIKAMATHAM	Safe
618	Andhra Pradesh	Visakhapatnam	ROLUGUNTA	Safe
619	Andhra Pradesh	Visakhapatnam	S RAYAVARAM	Safe
620	Andhra Pradesh	Visakhapatnam	SABBAVARAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
621	Andhra Pradesh	Visakhapatnam	YELAMANCHILI (VISAKHAPATNAM)	Safe
622	Andhra Pradesh	Vizianagaram	BADANGI	Safe
623	Andhra Pradesh	Vizianagaram	BALAJIPETA	Safe
624	Andhra Pradesh	Vizianagaram	BHOGHAPURAM	Safe
625	Andhra Pradesh	Vizianagaram	BOBBILI	Safe
626	Andhra Pradesh	Vizianagaram	BONDAPALLE	Safe
627	Andhra Pradesh	Vizianagaram	CHEEPURUPALLE	Safe
628	Andhra Pradesh	Vizianagaram	DATTIRAJERU	Safe
629	Andhra Pradesh	Vizianagaram	DENKADA	Safe
630	Andhra Pradesh	Vizianagaram	GAJAPATHINAGARAM	Safe
631	Andhra Pradesh	Vizianagaram	GANTYADA	Safe
632	Andhra Pradesh	Vizianagaram	GARIVIDI	Safe
633	Andhra Pradesh	Vizianagaram	GARUGUBILLI	Safe
634	Andhra Pradesh	Vizianagaram	GUMMALAKSHMIPURAM	Safe
635	Andhra Pradesh	Vizianagaram	GURLA	Safe
636	Andhra Pradesh	Vizianagaram	JAMI	Safe
637	Andhra Pradesh	Vizianagaram	JIYYAMMA VALASA	Safe
638	Andhra Pradesh	Vizianagaram	KOMARADA	Safe
639	Andhra Pradesh	Vizianagaram	KOTHAVALASA	Safe
640	Andhra Pradesh	Vizianagaram	KURUPAM	Safe
641	Andhra Pradesh	Vizianagaram	LAKKAVARAPUKOTA	Safe
642	Andhra Pradesh	Vizianagaram	MAKKUVA	Safe
643	Andhra Pradesh	Vizianagaram	MENTADA	Safe
644	Andhra Pradesh	Vizianagaram	MERAKAMUDIDAM	Safe
645	Andhra Pradesh	Vizianagaram	NELLIMARLA	Safe
646	Andhra Pradesh	Vizianagaram	PACHIPENTA	Safe
647	Andhra Pradesh	Vizianagaram	PARVATHIPURAM	Safe
648	Andhra Pradesh	Vizianagaram	PUSAPATIREGA	Safe
649	Andhra Pradesh	Vizianagaram	RAMABHADRAPURAM	Safe
650	Andhra Pradesh	Vizianagaram	SALUR	Safe
651	Andhra Pradesh	Vizianagaram	SEETHANAGARAM (VIZIANAGARAM)	Safe
652	Andhra Pradesh	Vizianagaram	SRUNGAVARAPUKOTA	Safe
653	Andhra Pradesh	Vizianagaram	THERLAM	Safe
654	Andhra Pradesh	Vizianagaram	VEPADA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
655	Andhra Pradesh	Vizianagaram	VIZIANAGARAM MANDAL	Safe
656	Andhra Pradesh	West Godavari	ACHANTA	Safe
657	Andhra Pradesh	West Godavari	AKIVEEDU	Saline
658	Andhra Pradesh	West Godavari	ATTILI	Safe
659	Andhra Pradesh	West Godavari	BHEEMAVARAM	Saline
660	Andhra Pradesh	West Godavari	BHIMADOLE	Safe
661	Andhra Pradesh	West Godavari	BUTTAYAGUDEM	Safe
662	Andhra Pradesh	West Godavari	CHAGALLU	Safe
663	Andhra Pradesh	West Godavari	CHINTALAPUDI	Safe
664	Andhra Pradesh	West Godavari	DENDULURU	Safe
665	Andhra Pradesh	West Godavari	DEVARAPALLE	Safe
666	Andhra Pradesh	West Godavari	DWARAKA TIRUMALA	Safe
667	Andhra Pradesh	West Godavari	ELURU	Safe
668	Andhra Pradesh	West Godavari	GANAPAVARAM	Saline
669	Andhra Pradesh	West Godavari	GOPALAPURAM	Safe
670	Andhra Pradesh	West Godavari	IRAGAVARAM	Safe
671	Andhra Pradesh	West Godavari	JANGAREDDIGUDEM	Safe
672	Andhra Pradesh	West Godavari	JEELUGUMILLI	Safe
673	Andhra Pradesh	West Godavari	KALLA	Saline
674	Andhra Pradesh	West Godavari	KAMAVARAPUKOTA	Safe
675	Andhra Pradesh	West Godavari	KOVVUR	Safe
676	Andhra Pradesh	West Godavari	KOYYALAGUDEM	Safe
677	Andhra Pradesh	West Godavari	KUKUNOOR	Safe
678	Andhra Pradesh	West Godavari	LINGPALEM	Safe
679	Andhra Pradesh	West Godavari	MOGALTHUR	Saline
680	Andhra Pradesh	West Godavari	NALLAJERLA	Safe
681	Andhra Pradesh	West Godavari	NARASAPURAM	Saline
682	Andhra Pradesh	West Godavari	NIDADAVOLE	Safe
683	Andhra Pradesh	West Godavari	NIDAMARRU	Saline
684	Andhra Pradesh	West Godavari	PADAVEGI	Safe
685	Andhra Pradesh	West Godavari	PALACOLE	Saline
686	Andhra Pradesh	West Godavari	PALAKODERU	Saline
687	Andhra Pradesh	West Godavari	PEDAPADU	Safe
688	Andhra Pradesh	West Godavari	PENTAPADU	Saline
689	Andhra Pradesh	West Godavari	PENUGONDA	Safe
690	Andhra Pradesh	West Godavari	PENUMANTRA	Safe
691	Andhra Pradesh	West Godavari	PERAVALI	Safe
692	Andhra Pradesh	West Godavari	PODURU	Saline
693	Andhra Pradesh	West Godavari	POLAVARAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
694	Andhra Pradesh	West Godavari	T NARASAPURAM	Safe
695	Andhra Pradesh	West Godavari	TADEPALLIGUDEM	Safe
696	Andhra Pradesh	West Godavari	TANUKU	Safe
697	Andhra Pradesh	West Godavari	THALLAPUDI	Safe
698	Andhra Pradesh	West Godavari	UNDI	Saline
699	Andhra Pradesh	West Godavari	UNDRAJAVARAM	Safe
700	Andhra Pradesh	West Godavari	UNGUTURU (WEST GODAVARI)	Safe
701	Andhra Pradesh	West Godavari	VEERAVASARAM	Saline
702	Andhra Pradesh	West Godavari	VELAIRPAD	Safe
703	Andhra Pradesh	West Godavari	YELAMANCHILI	Saline
704	Arunachal Pradesh	Changlang	CHANGLANG	Safe
705	Arunachal Pradesh	East Kameng	EAST KAMENG	Safe
706	Arunachal Pradesh	East Siang	EAST SIANG	Safe
707	Arunachal Pradesh	Lohit	LOHIT	Safe
708	Arunachal Pradesh	Lower Dibang Valley	LOWER DIBANG VALLEY	Safe
709	Arunachal Pradesh	Lower Subansiri	LOWER SUBANSIRI	Safe
710	Arunachal Pradesh	Papum Pare	PAPUM PARE	Safe
711	Arunachal Pradesh	Tirap	TIRAP	Safe
712	Arunachal Pradesh	Upper Subansiri	UPPER SUBANSIRI	Safe
713	Arunachal Pradesh	West Kameng	WEST KAMENG	Safe
714	Arunachal Pradesh	West Siang	WEST SIANG	Safe
715	Assam	Baksa	BAKSA	Safe
716	Assam	Barpeta	BARPETA	Safe
717	Assam	Bongaigaon	BONGAIGAON	Safe
718	Assam	Cachar	CACHAR	Safe
719	Assam	Chirang	CHIRANG	Safe
720	Assam	Darrang	DARRANG	Safe
721	Assam	Dhemaji	DHEMAJI	Safe
722	Assam	Dhubri	DHUBRI	Safe
723	Assam	Dibrugarh	DIBRUGARH	Safe
724	Assam	Dima Hasao	DIMA HASAO	Safe
725	Assam	Goalpara	GOALPARA	Safe
726	Assam	Golaghat	GOLAGHAT	Safe
727	Assam	Hailakandi	HAILAKANDI	Safe
728	Assam	Jorhat	JORHAT	Safe
729	Assam	Kamrup	KAMRUP	Safe
730	Assam	Kamrup Metro Rural	KAMRUP METRO RURAL	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
731	Assam	Kamrup Metro Urban	KAMRUP METRO URBAN	Safe
732	Assam	Karbi Anglong	KARBI ANGLONG	Safe
733	Assam	Karimganj	KARIMGANJ	Safe
734	Assam	Kokrajhar	KOKRAJHAR	Safe
735	Assam	Lakhimpur	LAKHIMPUR	Safe
736	Assam	Morigaon	MORIGAON	Safe
737	Assam	Nagaon	NAGAON	Safe
738	Assam	Nalbari	NALBARI	Safe
739	Assam	Sivasagar	SIVASAGAR	Safe
740	Assam	Sonitpur	SONITPUR	Safe
741	Assam	Tinsukia	TINSUKIA	Safe
742	Assam	Udalguri	UDALGURI	Safe
743	Bihar	Araria	ARARIA	Safe
744	Bihar	Araria	BHARGAMA	Safe
745	Bihar	Araria	FORBESGANJ	Safe
746	Bihar	Araria	JOKIHAT	Safe
747	Bihar	Araria	KHUSAKATA	Safe
748	Bihar	Araria	NARPATGANJ	Safe
749	Bihar	Araria	PALASI	Safe
750	Bihar	Araria	RANIGANJ	Safe
751	Bihar	Araria	SIKTI	Safe
752	Bihar	Arwal	ARWAL	Safe
753	Bihar	Arwal	BANSI SURUJPU	Safe
754	Bihar	Arwal	KALER	Safe
755	Bihar	Arwal	KARPI	Safe
756	Bihar	Arwal	KURTHA	Safe
757	Bihar	Aurangabad	AURANGABAD	Safe
758	Bihar	Aurangabad	BARUN	Safe
759	Bihar	Aurangabad	DAUDNAGAR	Safe
760	Bihar	Aurangabad	DEO	Safe
761	Bihar	Aurangabad	GOH	Safe
762	Bihar	Aurangabad	HASPURA	Safe
763	Bihar	Aurangabad	KUTUMBA	Safe
764	Bihar	Aurangabad	MADANPUR	Safe
765	Bihar	Aurangabad	NABINAGAR	Safe
766	Bihar	Aurangabad	OBRA	Safe
767	Bihar	Aurangabad	RAFIGANJ	Safe
768	Bihar	Banka	AMARPUR	Safe
769	Bihar	Banka	BANKA	Safe
770	Bihar	Banka	BARAHAT	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
771	Bihar	Banka	BAUSI	Safe
772	Bihar	Banka	BELHAR	Safe
773	Bihar	Banka	CHARIAN	Safe
774	Bihar	Banka	DHURAIYA	Safe
775	Bihar	Banka	KATORIA	Safe
776	Bihar	Banka	PHULDUMAR	Safe
777	Bihar	Banka	RAJON	Safe
778	Bihar	Banka	SHAMBHUGANJ	Safe
779	Bihar	Begusarai	BACHHWARA	Safe
780	Bihar	Begusarai	BAKHRI	Safe
781	Bihar	Begusarai	BALIA	Safe
782	Bihar	Begusarai	BARAUNI	Safe
783	Bihar	Begusarai	BEGUSARAI	Safe
784	Bihar	Begusarai	BHAGWANPUR	Semi-Critical
785	Bihar	Begusarai	BIRPUR	Safe
786	Bihar	Begusarai	CHERIABARIARPUR	Safe
787	Bihar	Begusarai	CHHOURAHI	Safe
788	Bihar	Begusarai	DHANDARI	Safe
789	Bihar	Begusarai	GHARPURA	Safe
790	Bihar	Begusarai	KHUDABANDPUR	Safe
791	Bihar	Begusarai	MANSURCHAK	Safe
792	Bihar	Begusarai	MATHANI	Safe
793	Bihar	Begusarai	NAVKOTHI	Semi-Critical
794	Bihar	Begusarai	SAHEBPUR KAMAL	Safe
795	Bihar	Begusarai	SHAMBO	Safe
796	Bihar	Begusarai	TEGRA	Safe
797	Bihar	Bhagalpur	BIHPUR	Safe
798	Bihar	Bhagalpur	GOPALPUR	Safe
799	Bihar	Bhagalpur	GORADIH	Safe
800	Bihar	Bhagalpur	ISMAILPUR	Safe
801	Bihar	Bhagalpur	JAGDISHPUR	Safe
802	Bihar	Bhagalpur	KAHALGAON	Safe
803	Bihar	Bhagalpur	KHARIK	Safe
804	Bihar	Bhagalpur	NARAYANPUR	Safe
805	Bihar	Bhagalpur	NATHNAGAR	Safe
806	Bihar	Bhagalpur	NAUGACHHIA	Safe
807	Bihar	Bhagalpur	PIROINTI	Safe
808	Bihar	Bhagalpur	RANGRA CHOWK	Safe
809	Bihar	Bhagalpur	SABOUR	Safe
810	Bihar	Bhagalpur	SANHAULA	Safe
811	Bihar	Bhagalpur	SHAHKUND	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
812	Bihar	Bhagalpur	SULTANGANJ	Safe
813	Bihar	Bhojpur	AGION	Safe
814	Bihar	Bhojpur	ARRAH	Safe
815	Bihar	Bhojpur	BARAHARA	Safe
816	Bihar	Bhojpur	BIHIYAN	Semi-Critical
817	Bihar	Bhojpur	CHARPOKHRI	Safe
818	Bihar	Bhojpur	GARHANI	Safe
819	Bihar	Bhojpur	JAGDISHPUR	Semi-Critical
820	Bihar	Bhojpur	KOILWAR	Semi-Critical
821	Bihar	Bhojpur	PIRO	Semi-Critical
822	Bihar	Bhojpur	SAHAR	Safe
823	Bihar	Bhojpur	SANDESH	Safe
824	Bihar	Bhojpur	SHAHPUR	Safe
825	Bihar	Bhojpur	TARARI	Safe
826	Bihar	Bhojpur	UDWANTNAGAR	Safe
827	Bihar	Buxar	BRAHAMPUR	Safe
828	Bihar	Buxar	BUXAR	Safe
829	Bihar	Buxar	CHAKKI	Safe
830	Bihar	Buxar	CHAUGAIN	Safe
831	Bihar	Buxar	CHAUSA	Safe
832	Bihar	Buxar	DUMRAON	Safe
833	Bihar	Buxar	ITARHI	Safe
834	Bihar	Buxar	KESATH	Safe
835	Bihar	Buxar	NAWNAGAR	Safe
836	Bihar	Buxar	RAJPUR	Safe
837	Bihar	Buxar	SIMRI	Semi-Critical
838	Bihar	Darbhanga	ALINAGAR	Safe
839	Bihar	Darbhanga	BAHDURPUR	Safe
840	Bihar	Darbhanga	BAHERI	Safe
841	Bihar	Darbhanga	BENIPUR	Safe
842	Bihar	Darbhanga	BIRAU	Safe
843	Bihar	Darbhanga	DARBHANGA	Safe
844	Bihar	Darbhanga	GHANSHYAMPUR	Safe
845	Bihar	Darbhanga	GORE	Safe
846	Bihar	Darbhanga	HANUMANNAGAR	Safe
847	Bihar	Darbhanga	HAYGHAT	Safe
848	Bihar	Darbhanga	JALE	Safe
849	Bihar	Darbhanga	KEOTIRANWAY	Safe
850	Bihar	Darbhanga	KIRATPUR	Safe
851	Bihar	Darbhanga	KUSHESHWARSTHAN (W)	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
852	Bihar	Darbhanga	KUSHESWARSTHAN (E)	Safe
853	Bihar	Darbhanga	MANIGACHHI	Safe
854	Bihar	Darbhanga	SINGHWARA	Safe
855	Bihar	Darbhanga	TARDIH	Safe
856	Bihar	East Champaran	ADEPUR	Safe
857	Bihar	East Champaran	ARERAJ	Safe
858	Bihar	East Champaran	BANJARIA	Safe
859	Bihar	East Champaran	BANKATWA	Safe
860	Bihar	East Champaran	CHAKIA (PIPRA)	Safe
861	Bihar	East Champaran	CHHAURADANO	Safe
862	Bihar	East Champaran	CHIRAIA	Safe
863	Bihar	East Champaran	DHAKA	Safe
864	Bihar	East Champaran	GGORASAHAN	Safe
865	Bihar	East Champaran	HARSIDHI	Safe
866	Bihar	East Champaran	KALYANPUR	Safe
867	Bihar	East Champaran	KESARIA	Safe
868	Bihar	East Champaran	KOTWA	Safe
869	Bihar	East Champaran	MADHUBAN	Safe
870	Bihar	East Champaran	MAHESI	Safe
871	Bihar	East Champaran	MOTIHARI	Safe
872	Bihar	East Champaran	PAHARPUR	Safe
873	Bihar	East Champaran	PAKRI DAYAL	Safe
874	Bihar	East Champaran	PANHARA	Safe
875	Bihar	East Champaran	PATAHI	Safe
876	Bihar	East Champaran	PIPRADIH	Safe
877	Bihar	East Champaran	RAMGARHWA	Safe
878	Bihar	East Champaran	RAXAUL	Safe
879	Bihar	East Champaran	SANGRAMPUR	Safe
880	Bihar	East Champaran	SUGAULI	Safe
881	Bihar	East Champaran	TETARIA	Safe
882	Bihar	East Champaran	TURKAULIYA	Safe
883	Bihar	Gaya	AMAS	Safe
884	Bihar	Gaya	ATRI	Safe
885	Bihar	Gaya	BANKEBAZAR	Safe
886	Bihar	Gaya	BARACHATTI	Safe
887	Bihar	Gaya	BELAGANJ	Over-Exploited
888	Bihar	Gaya	BODHGAYA	Safe
889	Bihar	Gaya	DOBHI	Safe
890	Bihar	Gaya	DUMARIA	Semi-Critical
891	Bihar	Gaya	FATEHPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
892	Bihar	Gaya	GAYA	Semi-Critical
893	Bihar	Gaya	GURARU	Safe
894	Bihar	Gaya	GURUA	Safe
895	Bihar	Gaya	IMAMGANJ	Over-Exploited
896	Bihar	Gaya	KHIZIRSARAI	Semi-Critical
897	Bihar	Gaya	KONCH	Semi-Critical
898	Bihar	Gaya	MANPUR	Over-Exploited
899	Bihar	Gaya	MOHANPUR	Safe
900	Bihar	Gaya	MUHRA	Safe
901	Bihar	Gaya	NEEMCHAK	Safe
902	Bihar	Gaya	PARIAYA	Safe
903	Bihar	Gaya	SHERGHATI	Safe
904	Bihar	Gaya	TANKUPPA	Safe
905	Bihar	Gaya	TIKARI	Semi-Critical
906	Bihar	Gaya	WAZIRGANJ	Safe
907	Bihar	Gopalganj	BAIKUNTHPUR	Safe
908	Bihar	Gopalganj	BARAULI	Safe
909	Bihar	Gopalganj	BHOREY	Safe
910	Bihar	Gopalganj	BIJAIPUR	Safe
911	Bihar	Gopalganj	GOPALGANJ	Safe
912	Bihar	Gopalganj	HATWA	Safe
913	Bihar	Gopalganj	KATAIYA	Safe
914	Bihar	Gopalganj	KUCHAIKOT	Safe
915	Bihar	Gopalganj	MANJHA	Safe
916	Bihar	Gopalganj	PACHDEORI	Safe
917	Bihar	Gopalganj	PHULWARIA	Safe
918	Bihar	Gopalganj	SIDHWALIA	Safe
919	Bihar	Gopalganj	THAWE	Safe
920	Bihar	Gopalganj	UCHKAGAON	Safe
921	Bihar	Jamui	ALIGANJ	Safe
922	Bihar	Jamui	BARHAT	Safe
923	Bihar	Jamui	CHAKAI	Safe
924	Bihar	Jamui	GIDHAUR	Safe
925	Bihar	Jamui	JAMUI	Safe
926	Bihar	Jamui	JHAJHA	Safe
927	Bihar	Jamui	KHAIRA	Safe
928	Bihar	Jamui	LAKSHMIPUR	Safe
929	Bihar	Jamui	SIKANDRA	Safe
930	Bihar	Jamui	SONO	Safe
931	Bihar	Jehanabad	GHOSHI	Critical
932	Bihar	Jehanabad	HULHASGANJ	Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
933	Bihar	Jehanabad	JEHANABAD	Critical
934	Bihar	Jehanabad	KAKO	Semi-Critical
935	Bihar	Jehanabad	MADANGANJ	Semi-Critical
936	Bihar	Jehanabad	MAKHDUMPUR	Semi-Critical
937	Bihar	Jehanabad	RATNI FARIDPUR	Over-Exploited
938	Bihar	Kaimur	ADAHURA	Safe
939	Bihar	Kaimur	BHABHUA	Safe
940	Bihar	Kaimur	BHAGWANPUR	Safe
941	Bihar	Kaimur	CHAINPUR	Safe
942	Bihar	Kaimur	CHAND	Safe
943	Bihar	Kaimur	DURGAWATI	Safe
944	Bihar	Kaimur	KUDRA	Safe
945	Bihar	Kaimur	MOHANIA	Safe
946	Bihar	Kaimur	NUAON	Safe
947	Bihar	Kaimur	RAMGARH	Safe
948	Bihar	Kaimur	RAMPUR	Safe
949	Bihar	Katihar	AMDABAD	Safe
950	Bihar	Katihar	AZAMNAGAR	Safe
951	Bihar	Katihar	BALRAMPUR	Safe
952	Bihar	Katihar	BARARI	Safe
953	Bihar	Katihar	BARSOI	Safe
954	Bihar	Katihar	DANDKHORA	Semi-Critical
955	Bihar	Katihar	FALKA	Safe
956	Bihar	Katihar	HASANGANJ	Safe
957	Bihar	Katihar	KADWA	Safe
958	Bihar	Katihar	KATI HAR	Safe
959	Bihar	Katihar	KORHA	Safe
960	Bihar	Katihar	KURSELA	Safe
961	Bihar	Katihar	MANIHARI	Safe
962	Bihar	Katihar	MANSHI	Safe
963	Bihar	Katihar	PRANPUR	Safe
964	Bihar	Katihar	SAMOLI	Safe
965	Bihar	Khagaria	ALUTI	Safe
966	Bihar	Khagaria	BELDAUR	Safe
967	Bihar	Khagaria	CHAUTHAM	Safe
968	Bihar	Khagaria	GOGRI	Safe
969	Bihar	Khagaria	KHAGARIA	Safe
970	Bihar	Khagaria	MANSI	Safe
971	Bihar	Khagaria	PARBATT	Safe
972	Bihar	Kishanganj	BAHADURGANJ	Safe
973	Bihar	Kishanganj	DIGHALBANK	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
974	Bihar	Kishanganj	KISHANGANJ	Safe
975	Bihar	Kishanganj	KOCHADHIMAN	Safe
976	Bihar	Kishanganj	POTHIA	Safe
977	Bihar	Kishanganj	TEHRAGACHHI	Safe
978	Bihar	Kishanganj	THAKURGANJ	Safe
979	Bihar	Lakhisarai	BARAHIYA	Safe
980	Bihar	Lakhisarai	CHANAN	Safe
981	Bihar	Lakhisarai	HALSI	Semi-Critical
982	Bihar	Lakhisarai	LAKHISARAI	Safe
983	Bihar	Lakhisarai	PIPARIA	Safe
984	Bihar	Lakhisarai	RAMGARH CHOWK	Safe
985	Bihar	Lakhisarai	SURAJGARHA	Safe
986	Bihar	Madhepura	ALAMNAGAR	Semi-Critical
987	Bihar	Madhepura	BIHARRIGANJ	Semi-Critical
988	Bihar	Madhepura	CHAUSA	Safe
989	Bihar	Madhepura	GAMHARIA	Semi-Critical
990	Bihar	Madhepura	GHAILAM	Safe
991	Bihar	Madhepura	GWALPARA	Semi-Critical
992	Bihar	Madhepura	KISHANGANJ	Semi-Critical
993	Bihar	Madhepura	KUMARKHAND	Safe
994	Bihar	Madhepura	MADHEPURA	Safe
995	Bihar	Madhepura	MURLIGANJ	Safe
996	Bihar	Madhepura	PURAINI	Safe
997	Bihar	Madhepura	SHANKARPUR	Semi-Critical
998	Bihar	Madhepura	SINGHESWAR	Semi-Critical
999	Bihar	Madhubani	ANDHRATHARI	Safe
1000	Bihar	Madhubani	BABUBARI	Safe
1001	Bihar	Madhubani	BASIPATTI	Safe
1002	Bihar	Madhubani	BENIPATTI	Safe
1003	Bihar	Madhubani	BINTI	Safe
1004	Bihar	Madhubani	GHOGHARDIHA	Safe
1005	Bihar	Madhubani	HARLAKHI	Safe
1006	Bihar	Madhubani	JAINAGAR	Safe
1007	Bihar	Madhubani	JHANJHARPUR	Safe
1008	Bihar	Madhubani	KALUHI	Safe
1009	Bihar	Madhubani	KHAJAULI	Safe
1010	Bihar	Madhubani	KHUTAUNA	Safe
1011	Bihar	Madhubani	LADHANIA	Safe
1012	Bihar	Madhubani	LAKHNAUR	Safe
1013	Bihar	Madhubani	LAUKAHI	Safe
1014	Bihar	Madhubani	MADHAWPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1015	Bihar	Madhubani	MADHEPUR	Safe
1016	Bihar	Madhubani	MADHUBANI	Safe
1017	Bihar	Madhubani	PANDAUL	Safe
1018	Bihar	Madhubani	PHULPARAS	Safe
1019	Bihar	Madhubani	RAJNAGAR	Safe
1020	Bihar	Munger	ASARGANJ	Safe
1021	Bihar	Munger	BARIARPUR	Safe
1022	Bihar	Munger	DHARHARA	Safe
1023	Bihar	Munger	JAMALPUR	Safe
1024	Bihar	Munger	KARAGPUR	Safe
1025	Bihar	Munger	MUNGER	Safe
1026	Bihar	Munger	SANGRAMPUR	Safe
1027	Bihar	Munger	TARAPUR	Safe
1028	Bihar	Munger	TETIA BHAMBAR	Safe
1029	Bihar	Muzaffarpur	AURAI	Safe
1030	Bihar	Muzaffarpur	BARURAJ(MOTIPUR)	Safe
1031	Bihar	Muzaffarpur	BENDRA	Semi-Critical
1032	Bihar	Muzaffarpur	BOCHAHA	Safe
1033	Bihar	Muzaffarpur	DHOLI	Safe
1034	Bihar	Muzaffarpur	GAIGHAT	Safe
1035	Bihar	Muzaffarpur	KANTI	Safe
1036	Bihar	Muzaffarpur	KATRA	Safe
1037	Bihar	Muzaffarpur	KURHANI	Safe
1038	Bihar	Muzaffarpur	MARWAN	Safe
1039	Bihar	Muzaffarpur	MINAPUR	Safe
1040	Bihar	Muzaffarpur	MUSAHARI	Over-Exploited
1041	Bihar	Muzaffarpur	PAROO	Safe
1042	Bihar	Muzaffarpur	SAHEBGANJ	Safe
1043	Bihar	Muzaffarpur	SAKRA	Over-Exploited
1044	Bihar	Muzaffarpur	SARAIYA	Safe
1045	Bihar	Nalanda	ASTHAWAN	Safe
1046	Bihar	Nalanda	BARI	Safe
1047	Bihar	Nalanda	BIHAR SHARIFF	Safe
1048	Bihar	Nalanda	BIND	Safe
1049	Bihar	Nalanda	CHANDI	Safe
1050	Bihar	Nalanda	EKNAGARSARI	Semi-Critical
1051	Bihar	Nalanda	GIRIAK	Over-Exploited
1052	Bihar	Nalanda	HARNAUT	Safe
1053	Bihar	Nalanda	HILSA	Safe
1054	Bihar	Nalanda	ISLAMPUR	Semi-Critical
1055	Bihar	Nalanda	KARAIPARSURAI	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1056	Bihar	Nalanda	KATHSARAI	Safe
1057	Bihar	Nalanda	NAGAR NAUSA	Safe
1058	Bihar	Nalanda	NOORSARAI	Semi-Critical
1059	Bihar	Nalanda	PRABALPUR	Semi-Critical
1060	Bihar	Nalanda	RAHUL	Safe
1061	Bihar	Nalanda	RAJGIR	Safe
1062	Bihar	Nalanda	SARMARA	Safe
1063	Bihar	Nalanda	SILAO	Safe
1064	Bihar	Nalanda	THARTHARI	Safe
1065	Bihar	Nawada	AKBARPUR	Safe
1066	Bihar	Nawada	GOBINDPUR	Safe
1067	Bihar	Nawada	HISUA	Safe
1068	Bihar	Nawada	KASHI CHAK	Safe
1069	Bihar	Nawada	KAWAKOL	Safe
1070	Bihar	Nawada	MASKAUR	Critical
1071	Bihar	Nawada	NARDIGANJ	Safe
1072	Bihar	Nawada	NARHAT	Safe
1073	Bihar	Nawada	NAWADA	Semi-Critical
1074	Bihar	Nawada	PAKRIBARWAN	Safe
1075	Bihar	Nawada	RAJAULI	Safe
1076	Bihar	Nawada	ROH	Safe
1077	Bihar	Nawada	SIRDAULI	Safe
1078	Bihar	Nawada	WARISALIGANJ	Semi-Critical
1079	Bihar	Patna	ATHMALGOLA	Semi-Critical
1080	Bihar	Patna	BAKHTIARPUR	Safe
1081	Bihar	Patna	BARH	Safe
1082	Bihar	Patna	BELCHI	Semi-Critical
1083	Bihar	Patna	BIHTA	Safe
1084	Bihar	Patna	BIKRAM	Safe
1085	Bihar	Patna	DANAPUR/KHAGAUL	Semi-Critical
1086	Bihar	Patna	DANIWAN	Safe
1087	Bihar	Patna	DHANARUA	Safe
1088	Bihar	Patna	DULHIN BAZAR	Safe
1089	Bihar	Patna	FATHUA	Safe
1090	Bihar	Patna	GHOSAWARI	Safe
1091	Bihar	Patna	KHUSRUPUR	Safe
1092	Bihar	Patna	MANER	Safe
1093	Bihar	Patna	MASAUHI	Semi-Critical
1094	Bihar	Patna	MOKAMA	Safe
1095	Bihar	Patna	NAUBATPUR	Semi-Critical
1096	Bihar	Patna	PALIGANJ	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1097	Bihar	Patna	PANDARAK	Safe
1098	Bihar	Patna	PATNA SADAR	Semi-Critical
1099	Bihar	Patna	PHULWARISHARIF	Semi-Critical
1100	Bihar	Patna	PUNPUN	Semi-Critical
1101	Bihar	Patna	SAMPATCHAK	Semi-Critical
1102	Bihar	Purnia	AMAUR	Safe
1103	Bihar	Purnia	BAISA	Safe
1104	Bihar	Purnia	BAISI	Safe
1105	Bihar	Purnia	BANMANKHI	Safe
1106	Bihar	Purnia	BARHARA	Safe
1107	Bihar	Purnia	BHAWANIPUR	Safe
1108	Bihar	Purnia	DAGAURA	Semi-Critical
1109	Bihar	Purnia	DAMDAHA	Safe
1110	Bihar	Purnia	JALALGARH	Safe
1111	Bihar	Purnia	KASBA	Safe
1112	Bihar	Purnia	KRITYANAND NAGAR	Safe
1113	Bihar	Purnia	PURNIA EAST	Safe
1114	Bihar	Purnia	RUPAULI	Safe
1115	Bihar	Purnia	SRINAGAR	Safe
1116	Bihar	Rohats	AKORHI GOTA	Safe
1117	Bihar	Rohats	BIKRAMGANJ	Safe
1118	Bihar	Rohats	CHENARI	Safe
1119	Bihar	Rohats	DAWATH	Safe
1120	Bihar	Rohats	DEHRI	Safe
1121	Bihar	Rohats	DINARA	Safe
1122	Bihar	Rohats	KARAKAT	Safe
1123	Bihar	Rohats	KARGHAR	Safe
1124	Bihar	Rohats	KOCHAS	Safe
1125	Bihar	Rohats	NARSIGANJ	Safe
1126	Bihar	Rohats	NAUHATTA	Safe
1127	Bihar	Rohats	NOKHA	Safe
1128	Bihar	Rohats	RAJPUR	Safe
1129	Bihar	Rohats	ROHATS	Safe
1130	Bihar	Rohats	SANJHAULI	Safe
1131	Bihar	Rohats	SASARAM	Safe
1132	Bihar	Rohats	SHEOSAGAR	Safe
1133	Bihar	Rohats	SURYAPURA	Safe
1134	Bihar	Rohats	TILHOTHU	Safe
1135	Bihar	Saharsa	BANIAN ITARHAT	Safe
1136	Bihar	Saharsa	KAHARA	Safe
1137	Bihar	Saharsa	MAHISHI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1138	Bihar	Saharsa	NAUHATTA	Safe
1139	Bihar	Saharsa	PATARGHAT	Safe
1140	Bihar	Saharsa	SALKHUA	Safe
1141	Bihar	Saharsa	SATAR KATEYA	Safe
1142	Bihar	Saharsa	SAURBAZAR	Safe
1143	Bihar	Saharsa	SIMRI BAKHTIYARPUR	Safe
1144	Bihar	Saharsa	SONBARSA	Safe
1145	Bihar	Samastipur	BIBHUTIPUR	Safe
1146	Bihar	Samastipur	BITHAO	Safe
1147	Bihar	Samastipur	DALSINGHSARAI	Safe
1148	Bihar	Samastipur	HASANPUR	Safe
1149	Bihar	Samastipur	KALYANPUR	Safe
1150	Bihar	Samastipur	KHANPUR	Safe
1151	Bihar	Samastipur	MOHANPUR	Safe
1152	Bihar	Samastipur	MOHIUDDINNAGAR	Safe
1153	Bihar	Samastipur	MORWA	Safe
1154	Bihar	Samastipur	PATORI	Safe
1155	Bihar	Samastipur	PUSA	Safe
1156	Bihar	Samastipur	ROSARE	Safe
1157	Bihar	Samastipur	SAMASTIPUR	Safe
1158	Bihar	Samastipur	SARAIKARANJAN	Safe
1159	Bihar	Samastipur	SHIVAJINAGAR	Safe
1160	Bihar	Samastipur	SINGHIA	Safe
1161	Bihar	Samastipur	TAJPUR	Safe
1162	Bihar	Samastipur	UJJIARPUR	Semi-Critical
1163	Bihar	Samastipur	VIDYAPATINAGAR	Safe
1164	Bihar	Samastipur	WARISNAGAR	Safe
1165	Bihar	Saran	AMNOUR	Safe
1166	Bihar	Saran	BANIAPUR	Safe
1167	Bihar	Saran	CHAPRA	Safe
1168	Bihar	Saran	DARIAPUR	Safe
1169	Bihar	Saran	DIGHWARA	Safe
1170	Bihar	Saran	EKMA	Safe
1171	Bihar	Saran	GARKHA	Safe
1172	Bihar	Saran	ISHUPUR	Safe
1173	Bihar	Saran	JALALPUR	Safe
1174	Bihar	Saran	LAHLAD	Safe
1175	Bihar	Saran	MAKER	Safe
1176	Bihar	Saran	MANJHI	Safe
1177	Bihar	Saran	MARHAUNA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1178	Bihar	Saran	MASRAKH	Safe
1179	Bihar	Saran	NAGRA	Semi-Critical
1180	Bihar	Saran	PANAPUR	Safe
1181	Bihar	Saran	PARSA	Safe
1182	Bihar	Saran	RAVELGANJ	Safe
1183	Bihar	Saran	SONEPUR	Safe
1184	Bihar	Saran	TARAIYA	Safe
1185	Bihar	Sheikhpura	ARIARI	Safe
1186	Bihar	Sheikhpura	BARBHIGA	Safe
1187	Bihar	Sheikhpura	CHARWARE	Safe
1188	Bihar	Sheikhpura	GHAT KUSUMBA	Safe
1189	Bihar	Sheikhpura	SHEIKHPURA	Safe
1190	Bihar	Sheikhpura	SHEKHOPUR SARAI	Safe
1191	Bihar	Sheohar	DUMRI KATSARI	Safe
1192	Bihar	Sheohar	PIPRAHI	Safe
1193	Bihar	Sheohar	PURNAHIYA	Safe
1194	Bihar	Sheohar	SHEOHAR	Safe
1195	Bihar	Sheohar	TARIANI CHOWK	Safe
1196	Bihar	Sitamarhi	BAIGANIA	Safe
1197	Bihar	Sitamarhi	BAJPATTI	Semi-Critical
1198	Bihar	Sitamarhi	BALSAND	Safe
1199	Bihar	Sitamarhi	BATNAHA	Safe
1200	Bihar	Sitamarhi	BOKHARA	Safe
1201	Bihar	Sitamarhi	CHARAUR	Safe
1202	Bihar	Sitamarhi	DUMRA	Safe
1203	Bihar	Sitamarhi	MAJORGANJ	Safe
1204	Bihar	Sitamarhi	NANPUR	Safe
1205	Bihar	Sitamarhi	PARIHAR	Safe
1206	Bihar	Sitamarhi	PARSAUNI	Safe
1207	Bihar	Sitamarhi	PUPRI	Safe
1208	Bihar	Sitamarhi	RIGA	Safe
1209	Bihar	Sitamarhi	RUNI SAIDPUR	Safe
1210	Bihar	Sitamarhi	SONBARSA	Safe
1211	Bihar	Sitamarhi	SUPPI	Safe
1212	Bihar	Sitamarhi	SURSAND	Safe
1213	Bihar	Siwan	ANDAR	Safe
1214	Bihar	Siwan	BARHARIA	Safe
1215	Bihar	Siwan	BASANTPUR	Safe
1216	Bihar	Siwan	BHAGWANPUR	Safe
1217	Bihar	Siwan	DAEUNDAH	Semi-Critical
1218	Bihar	Siwan	DARAU LI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1219	Bihar	Siwan	GORIAKOTHI	Safe
1220	Bihar	Siwan	GUTHANI	Safe
1221	Bihar	Siwan	HASANPURA	Safe
1222	Bihar	Siwan	HUSSAINGANJ	Safe
1223	Bihar	Siwan	LAKRI NABIGANJ	Safe
1224	Bihar	Siwan	MAHARAJGANJ	Safe
1225	Bihar	Siwan	MAIRWA	Safe
1226	Bihar	Siwan	NAUTAN	Safe
1227	Bihar	Siwan	PACHRUKHI	Safe
1228	Bihar	Siwan	RAGHUNATHPUR	Safe
1229	Bihar	Siwan	SISWAN	Safe
1230	Bihar	Siwan	SIWAN	Safe
1231	Bihar	Siwan	ZIRADEI	Safe
1232	Bihar	Supaul	BASANTPUR	Safe
1233	Bihar	Supaul	CHHATAPUR	Safe
1234	Bihar	Supaul	KISHANPUR	Safe
1235	Bihar	Supaul	MARAUNA	Safe
1236	Bihar	Supaul	NIRMALI	Safe
1237	Bihar	Supaul	PIPRA	Safe
1238	Bihar	Supaul	PRATAPGANJ	Safe
1239	Bihar	Supaul	RAGHOPUR	Safe
1240	Bihar	Supaul	SARAIGARH BHAPTIYAH	Safe
1241	Bihar	Supaul	SUPAUL	Safe
1242	Bihar	Supaul	TRIBENIGANJ	Safe
1243	Bihar	Vaishali	BHAGWANPUR	Safe
1244	Bihar	Vaishali	BIDUPUR	Safe
1245	Bihar	Vaishali	CHEHRA KALAN	Semi-Critical
1246	Bihar	Vaishali	DEHRI	Safe
1247	Bihar	Vaishali	GORAUL	Safe
1248	Bihar	Vaishali	HAJIPUR	Semi-Critical
1249	Bihar	Vaishali	JANDAHA	Semi-Critical
1250	Bihar	Vaishali	LALGANJ	Semi-Critical
1251	Bihar	Vaishali	MAHUA	Safe
1252	Bihar	Vaishali	MEHNAR	Safe
1253	Bihar	Vaishali	PATEPUR	Critical
1254	Bihar	Vaishali	PATHERI BALASAR	Safe
1255	Bihar	Vaishali	RAGHOPUR	Safe
1256	Bihar	Vaishali	RAJA PAKAR	Semi-Critical
1257	Bihar	Vaishali	SAHDAL BUZURG	Safe
1258	Bihar	Vaishali	VAISHALI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1259	Bihar	West Champaran	BAGHA	Safe
1260	Bihar	West Champaran	BAIRALA	Safe
1261	Bihar	West Champaran	BETTIAH	Safe
1262	Bihar	West Champaran	BHITAH	Safe
1263	Bihar	West Champaran	CHANPATIA	Safe
1264	Bihar	West Champaran	GAUNAH	Safe
1265	Bihar	West Champaran	JOGAPATTI	Safe
1266	Bihar	West Champaran	LAURIYA	Safe
1267	Bihar	West Champaran	MADHUBANI	Safe
1268	Bihar	West Champaran	MAITI HANI	Safe
1269	Bihar	West Champaran	MANJHAULIA	Safe
1270	Bihar	West Champaran	NARKATIYAGANJ	Safe
1271	Bihar	West Champaran	NAUTAN	Safe
1272	Bihar	West Champaran	PIPRASI	Safe
1273	Bihar	West Champaran	RAMNAGAR	Safe
1274	Bihar	West Champaran	SIDHAW	Safe
1275	Bihar	West Champaran	SIKTA	Safe
1276	Bihar	West Champaran	THANKARAHAN	Safe
1277	Chandigarh	Chandigarh	CHANDIGARH	Semi-Critical
1278	Chhatisgarh	Balod	BALOD	Semi-Critical
1279	Chhatisgarh	Balod	DONDI LOHARA	Safe
1280	Chhatisgarh	Balod	DOUNDI	Safe
1281	Chhatisgarh	Balod	GUNDERDEHI	Semi-Critical
1282	Chhatisgarh	Balod	GURUR	Critical
1283	Chhatisgarh	Baloda Bazar	BALODA BAZAR	Safe
1284	Chhatisgarh	Baloda Bazar	BHATAPARA	Safe
1285	Chhatisgarh	Baloda Bazar	BILAIGARH	Safe
1286	Chhatisgarh	Baloda Bazar	KASDOL	Safe
1287	Chhatisgarh	Baloda Bazar	PALARI	Safe
1288	Chhatisgarh	Baloda Bazar	SIMGA	Semi-Critical
1289	Chhatisgarh	Balrampur	BALRAMPUR	Safe
1290	Chhatisgarh	Balrampur	KUSMI	Safe
1291	Chhatisgarh	Balrampur	RAJPUR	Safe
1292	Chhatisgarh	Balrampur	RAMCHANDRAPUR	Safe
1293	Chhatisgarh	Balrampur	SHANKARGARH	Safe
1294	Chhatisgarh	Balrampur	WADRAFNAGAR	Safe
1295	Chhatisgarh	Bastar	BAKAWAND	Safe
1296	Chhatisgarh	Bastar	BASTANAR	Safe
1297	Chhatisgarh	Bastar	BASTAR	Safe
1298	Chhatisgarh	Bastar	DARBHA	Safe
1299	Chhatisgarh	Bastar	JAGDALPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1300	Chhatisgarh	Bastar	LOHANGIGUDA	Safe
1301	Chhatisgarh	Bastar	TOKPAL	Safe
1302	Chhatisgarh	Bemetara	BEMETARA	Critical
1303	Chhatisgarh	Bemetara	BERLA	Critical
1304	Chhatisgarh	Bemetara	NAWAGARH	Semi-Critical
1305	Chhatisgarh	Bemetara	SAJA	Semi-Critical
1306	Chhatisgarh	Bijapur	BHAIRAMGARH	Safe
1307	Chhatisgarh	Bijapur	BHOPAL PATNAM	Safe
1308	Chhatisgarh	Bijapur	BIJAPUR	Safe
1309	Chhatisgarh	Bijapur	USSUR	Safe
1310	Chhatisgarh	Bilaspur	BELHA	Semi-Critical
1311	Chhatisgarh	Bilaspur	KOTA	Safe
1312	Chhatisgarh	Bilaspur	MARWAHI	Safe
1313	Chhatisgarh	Bilaspur	MASTURI	Safe
1314	Chhatisgarh	Bilaspur	PENDRA	Safe
1315	Chhatisgarh	Bilaspur	PENDRA ROAD (GAURELA	Safe
1316	Chhatisgarh	Bilaspur	TAKHATPUR	Safe
1317	Chhatisgarh	Dantewara	DANTEWARA	Safe
1318	Chhatisgarh	Dantewara	GEEDAM	Safe
1319	Chhatisgarh	Dantewara	KATEKALYAN	Safe
1320	Chhatisgarh	Dantewara	KUWAKONDA	Safe
1321	Chhatisgarh	Dhamtari	DHAMTARI	Critical
1322	Chhatisgarh	Dhamtari	KURUD	Semi-Critical
1323	Chhatisgarh	Dhamtari	MAGARLOD	Semi-Critical
1324	Chhatisgarh	Dhamtari	NAGRI	Semi-Critical
1325	Chhatisgarh	Durg	DHAMMDHA	Semi-Critical
1326	Chhatisgarh	Durg	DURG	Critical
1327	Chhatisgarh	Durg	PATAN	Semi-Critical
1328	Chhatisgarh	Gariaband	CHHURA	Safe
1329	Chhatisgarh	Gariaband	DEOBHOG	Safe
1330	Chhatisgarh	Gariaband	GARIABAND	Safe
1331	Chhatisgarh	Gariaband	MAINPUR	Safe
1332	Chhatisgarh	Gariaband	RAJIM	Semi-Critical
1333	Chhatisgarh	Janjgir-Champa	AKALTARA	Safe
1334	Chhatisgarh	Janjgir-Champa	BALODA	Safe
1335	Chhatisgarh	Janjgir-Champa	BAMHANIDIH	Safe
1336	Chhatisgarh	Janjgir-Champa	DABHARA	Semi-Critical
1337	Chhatisgarh	Janjgir-Champa	JAIJAI PUR	Safe
1338	Chhatisgarh	Janjgir-Champa	JANJGIR (NAWAGARH)	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1339	Chhatisgarh	Janjgir-Champa	MALKHARODA	Semi-Critical
1340	Chhatisgarh	Janjgir-Champa	PAMGARH	Safe
1341	Chhatisgarh	Janjgir-Champa	SAKTI	Semi-Critical
1342	Chhatisgarh	Jashpur	BAGICHA	Safe
1343	Chhatisgarh	Jashpur	DULDULA	Safe
1344	Chhatisgarh	Jashpur	JASHPUR	Safe
1345	Chhatisgarh	Jashpur	KANSABEL	Safe
1346	Chhatisgarh	Jashpur	KUNKURI	Safe
1347	Chhatisgarh	Jashpur	MANORA	Safe
1348	Chhatisgarh	Jashpur	PATHALGAON	Safe
1349	Chhatisgarh	Jashpur	PHARSABAHAHAR	Safe
1350	Chhatisgarh	Kanker	ANTAGARH	Safe
1351	Chhatisgarh	Kanker	BHANUPRATAPPUR	Safe
1352	Chhatisgarh	Kanker	CHARAMA	Semi-Critical
1353	Chhatisgarh	Kanker	DURGKONDAL	Safe
1354	Chhatisgarh	Kanker	KANKER	Safe
1355	Chhatisgarh	Kanker	KOILIBEDA	Safe
1356	Chhatisgarh	Kanker	NARHARPUR	Safe
1357	Chhatisgarh	Kawardha	BODLA	Safe
1358	Chhatisgarh	Kawardha	KAWARDHA	Critical
1359	Chhatisgarh	Kawardha	PANDARIYA	Critical
1360	Chhatisgarh	Kawardha	SAHASPUR LOHARA	Semi-Critical
1361	Chhatisgarh	Kondagaon	BADERAJPUR	Safe
1362	Chhatisgarh	Kondagaon	KESHKAL	Safe
1363	Chhatisgarh	Kondagaon	KONDAGAON	Safe
1364	Chhatisgarh	Kondagaon	MAKDI	Safe
1365	Chhatisgarh	Kondagaon	PHARASGAON	Safe
1366	Chhatisgarh	Korba	KARTALA	Safe
1367	Chhatisgarh	Korba	KATGHORA	Semi-Critical
1368	Chhatisgarh	Korba	KORBA	Safe
1369	Chhatisgarh	Korba	PALI	Safe
1370	Chhatisgarh	Korba	PODI UPRORA	Safe
1371	Chhatisgarh	Koriya	BAIKUNTHPUR	Safe
1372	Chhatisgarh	Koriya	BHARATPUR	Safe
1373	Chhatisgarh	Koriya	KHADGAWAN	Safe
1374	Chhatisgarh	Koriya	MANENDRAGARH	Safe
1375	Chhatisgarh	Koriya	SONHAT	Safe
1376	Chhatisgarh	Mahasamund	BAGBAHERA	Safe
1377	Chhatisgarh	Mahasamund	BASNA	Semi-Critical
1378	Chhatisgarh	Mahasamund	MAHASAMUND	Safe
1379	Chhatisgarh	Mahasamund	PITHORA	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1380	Chhatisgarh	Mahasamund	SARAIPALI	Safe
1381	Chhatisgarh	Mungeli	LORMI	Safe
1382	Chhatisgarh	Mungeli	MUNGELI	Safe
1383	Chhatisgarh	Mungeli	PATHARIA	Safe
1384	Chhatisgarh	Narayanpur	NARAYANPUR	Safe
1385	Chhatisgarh	Narayanpur	ORCHHA	Safe
1386	Chhatisgarh	Raigarh	BARAMKELA	Semi-Critical
1387	Chhatisgarh	Raigarh	DHARAMJAIGARH	Safe
1388	Chhatisgarh	Raigarh	GHARGHOTA	Safe
1389	Chhatisgarh	Raigarh	KHARSIA	Safe
1390	Chhatisgarh	Raigarh	LAILUNGA	Safe
1391	Chhatisgarh	Raigarh	PUSSORE	Semi-Critical
1392	Chhatisgarh	Raigarh	RAIGARH	Safe
1393	Chhatisgarh	Raigarh	SARANGARH	Safe
1394	Chhatisgarh	Raigarh	TAMNAR	Semi-Critical
1395	Chhatisgarh	Raipur	ABHANPUR	Safe
1396	Chhatisgarh	Raipur	ARANG	Safe
1397	Chhatisgarh	Raipur	DHARSIWA	Critical
1398	Chhatisgarh	Raipur	TILDA	Safe
1399	Chhatisgarh	Rajnandgaon	AMBAGARH CHOWKI	Safe
1400	Chhatisgarh	Rajnandgaon	CHHUIKHADAN	Semi-Critical
1401	Chhatisgarh	Rajnandgaon	CHHURIYA	Safe
1402	Chhatisgarh	Rajnandgaon	DONGARGAON	Semi-Critical
1403	Chhatisgarh	Rajnandgaon	DONGARGARH	Semi-Critical
1404	Chhatisgarh	Rajnandgaon	KHAIRAGARH	Critical
1405	Chhatisgarh	Rajnandgaon	MANPUR	Safe
1406	Chhatisgarh	Rajnandgaon	MOHLA	Safe
1407	Chhatisgarh	Rajnandgaon	RAJNANDGAON	Safe
1408	Chhatisgarh	Sukma	CHHINDGARH	Safe
1409	Chhatisgarh	Sukma	KONTA	Safe
1410	Chhatisgarh	Sukma	SUKMA	Safe
1411	Chhatisgarh	Surajpur	BHAIYATHAN	Safe
1412	Chhatisgarh	Surajpur	ODGI	Safe
1413	Chhatisgarh	Surajpur	PRATAPPUR	Safe
1414	Chhatisgarh	Surajpur	PREMNAGAR	Safe
1415	Chhatisgarh	Surajpur	RAMANUJNAGAR	Safe
1416	Chhatisgarh	Surajpur	SURAJPUR	Semi-Critical
1417	Chhatisgarh	Surguja	AMBIKAPUR	Safe
1418	Chhatisgarh	Surguja	BATAULI	Safe
1419	Chhatisgarh	Surguja	LAKHANPUR	Safe
1420	Chhatisgarh	Surguja	LUNDRA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1421	Chhatisgarh	Surguja	MAINPOT	Safe
1422	Chhatisgarh	Surguja	SITAPUR	Safe
1423	Chhatisgarh	Surguja	UDAIPUR	Safe
1424	Dadra & Nagar Haveli	Dadra & Nagar Haveli	DADRA & NAGAR HAVELI	Safe
1425	Daman & Diu	Daman	DAMAN	Over-Exploited
1426	Daman & Diu	Diu	DIU	Safe
1427	Delhi	Central	CIVIL LINES	Semi-Critical
1428	Delhi	Central	KAROL BAGH	Over-Exploited
1429	Delhi	Central	KOTWALI	Semi-Critical
1430	Delhi	East	GANDHI NAGAR	Semi-Critical
1431	Delhi	East	MAYUR VIHAR	Over-Exploited
1432	Delhi	East	PREET VIHAR	Semi-Critical
1433	Delhi	Nazul Land	NAZUR LAND	Safe
1434	Delhi	New Delhi	CHANAKYAPURI	Over-Exploited
1435	Delhi	New Delhi	DELHI CANTONMENT	Over-Exploited
1436	Delhi	New Delhi	VASANT VIHAR	Over-Exploited
1437	Delhi	North	ALIPUR	Critical
1438	Delhi	North	MODEL TOWN	Critical
1439	Delhi	North	NARELA	Over-Exploited
1440	Delhi	North East	KARAWAL NAGAR	Critical
1441	Delhi	North East	SEELAMPUR	Critical
1442	Delhi	North East	YAMUNA VIHAR	Over-Exploited
1443	Delhi	North West	KANJHAWALA	Safe
1444	Delhi	North West	ROHINI	Safe
1445	Delhi	North West	SARASWATI VIHAR	Semi-Critical
1446	Delhi	Shahdara	SEEMAPURI	Critical
1447	Delhi	Shahdara	SHAHDARA	Over-Exploited
1448	Delhi	Shahdara	VIVEK VIHAR	Over-Exploited
1449	Delhi	South	HAUZ KHAS	Over-Exploited
1450	Delhi	South	MEHRAULI	Over-Exploited
1451	Delhi	South	SAKET	Over-Exploited
1452	Delhi	South East	DEFENCE COLONY	Critical
1453	Delhi	South East	KALKAJI	Over-Exploited
1454	Delhi	South East	SARITA VIHAR	Over-Exploited
1455	Delhi	South West	DWARKA	Over-Exploited
1456	Delhi	South West	KAPASHERA	Over-Exploited
1457	Delhi	South West	NAJAFGARH	Critical
1458	Delhi	West	PATEL NAGAR	Semi-Critical
1459	Delhi	West	PUNJABI BAGH	Semi-Critical
1460	Delhi	West	RAJOURI GARDEN	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1461	Goa	Goa North	BARDEZ	Safe
1462	Goa	Goa North	BICHOLIM	Safe
1463	Goa	Goa North	PERNEM	Safe
1464	Goa	Goa North	SATARI	Safe
1465	Goa	Goa North	TISWADI	Safe
1466	Goa	South Goa	CANCONA	Safe
1467	Goa	South Goa	DHARBANDORA	Safe
1468	Goa	South Goa	MARMUGAO	Safe
1469	Goa	South Goa	PONDA	Safe
1470	Goa	South Goa	QUEPEM	Safe
1471	Goa	South Goa	SALCETE	Safe
1472	Goa	South Goa	SANGUEM	Safe
1473	Gujarat	Ahmedabad	AHMEDABAD CITY & DAS	Semi-Critical
1474	Gujarat	Ahmedabad	BAVLA	Critical
1475	Gujarat	Ahmedabad	DETROJ-RAMPURA	Safe
1476	Gujarat	Ahmedabad	DHANDHUKA	Saline
1477	Gujarat	Ahmedabad	DHOLERA	Saline
1478	Gujarat	Ahmedabad	DHOLKA	Safe
1479	Gujarat	Ahmedabad	MANDAL	Semi-Critical
1480	Gujarat	Ahmedabad	SANAND	Safe
1481	Gujarat	Ahmedabad	VIRAMGAM	Safe
1482	Gujarat	Amreli	AMRELI	Safe
1483	Gujarat	Amreli	BABRA	Safe
1484	Gujarat	Amreli	BAGASARA	Safe
1485	Gujarat	Amreli	DHARI	Safe
1486	Gujarat	Amreli	JAFRABAD	Safe
1487	Gujarat	Amreli	KHAMBHA	Safe
1488	Gujarat	Amreli	KUNKAVAV VADIA	Safe
1489	Gujarat	Amreli	LATHI	Safe
1490	Gujarat	Amreli	LILIA	Safe
1491	Gujarat	Amreli	RAJULA	Semi-Critical
1492	Gujarat	Amreli	SAVAR KUNDLA	Safe
1493	Gujarat	Anand	ANAND	Safe
1494	Gujarat	Anand	ANKLAV	Safe
1495	Gujarat	Anand	BORSAD	Safe
1496	Gujarat	Anand	KHAMBHAT	Safe
1497	Gujarat	Anand	PETLAD	Safe
1498	Gujarat	Anand	SOJITRA	Safe
1499	Gujarat	Anand	TARAPUR	Safe
1500	Gujarat	Anand	UMRETH	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1501	Gujarat	Arvalli	BAYAD	Safe
1502	Gujarat	Arvalli	BHILODA	Safe
1503	Gujarat	Arvalli	DHANSURA	Safe
1504	Gujarat	Arvalli	MALPUR	Safe
1505	Gujarat	Arvalli	MEGHRAJ	Safe
1506	Gujarat	Arvalli	MODASA	Safe
1507	Gujarat	Banaskantha	AMIRGADH	Safe
1508	Gujarat	Banaskantha	BHABHAR	Saline
1509	Gujarat	Banaskantha	DANTA	Safe
1510	Gujarat	Banaskantha	DANTIWADA	Over-Exploited
1511	Gujarat	Banaskantha	DEESA	Over-Exploited
1512	Gujarat	Banaskantha	DEODAR	Over-Exploited
1513	Gujarat	Banaskantha	DHANERA	Over-Exploited
1514	Gujarat	Banaskantha	KANKREJ	Over-Exploited
1515	Gujarat	Banaskantha	LAKHANI	Over-Exploited
1516	Gujarat	Banaskantha	PALANPUR	Semi-Critical
1517	Gujarat	Banaskantha	SUIGAM	Saline
1518	Gujarat	Banaskantha	THARAD	Over-Exploited
1519	Gujarat	Banaskantha	VADGAM	Semi-Critical
1520	Gujarat	Banaskantha	VAV	Saline
1521	Gujarat	Bharuch	AMOD	Safe
1522	Gujarat	Bharuch	ANKLESVAR	Safe
1523	Gujarat	Bharuch	BHARUCH	Safe
1524	Gujarat	Bharuch	HANSOT	Safe
1525	Gujarat	Bharuch	JAMBUSAR	Safe
1526	Gujarat	Bharuch	JHAGADIA	Safe
1527	Gujarat	Bharuch	NETRANG	Safe
1528	Gujarat	Bharuch	VAGRA	Safe
1529	Gujarat	Bharuch	VALIA	Safe
1530	Gujarat	Bhavnagar	BHAVNAGAR	Safe
1531	Gujarat	Bhavnagar	GARIADHAR	Safe
1532	Gujarat	Bhavnagar	GHOOGHA	Safe
1533	Gujarat	Bhavnagar	JESAR	Safe
1534	Gujarat	Bhavnagar	MAHUVA	Safe
1535	Gujarat	Bhavnagar	PALITANA	Safe
1536	Gujarat	Bhavnagar	SIHOR	Safe
1537	Gujarat	Bhavnagar	TALAJA	Safe
1538	Gujarat	Bhavnagar	UMRALA	Safe
1539	Gujarat	Bhavnagar	VALLABHIPUR	Safe
1540	Gujarat	Botad	BARWALA	Safe
1541	Gujarat	Botad	BOTAD	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1542	Gujarat	Botad	GADHADA	Safe
1543	Gujarat	Botad	RANPUR	Safe
1544	Gujarat	Chhota Udepur	BODELI	Safe
1545	Gujarat	Chhota Udepur	CHHOTA UDAIPUR	Safe
1546	Gujarat	Chhota Udepur	JETPUR PAVI	Safe
1547	Gujarat	Chhota Udepur	KAVANT	Safe
1548	Gujarat	Chhota Udepur	NASVADI	Safe
1549	Gujarat	Chhota Udepur	SANKHEDA	Safe
1550	Gujarat	Dahod	DAHOD	Safe
1551	Gujarat	Dahod	DEVGADH BARIA	Safe
1552	Gujarat	Dahod	DHANPUR	Safe
1553	Gujarat	Dahod	FATEPURA	Safe
1554	Gujarat	Dahod	GARBADA	Safe
1555	Gujarat	Dahod	LIMKHEDA	Safe
1556	Gujarat	Dahod	SANJELI	Safe
1557	Gujarat	Dahod	SINGVAD	Safe
1558	Gujarat	Dahod	ZALOD	Safe
1559	Gujarat	Dang	AHWA	Safe
1560	Gujarat	Dang	SUBIR	Safe
1561	Gujarat	Dang	WAGHAI	Safe
1562	Gujarat	Devbhumi Dwarka	BHANVAD	Safe
1563	Gujarat	Devbhumi Dwarka	KALYANPUR	Safe
1564	Gujarat	Devbhumi Dwarka	KHAMBHALIA	Safe
1565	Gujarat	Devbhumi Dwarka	OKHAMANDAL	Safe
1566	Gujarat	Gandhinagar	DEHGAM	Over-Exploited
1567	Gujarat	Gandhinagar	GANDHINAGAR	Over-Exploited
1568	Gujarat	Gandhinagar	KALOL	Semi-Critical
1569	Gujarat	Gandhinagar	MANSA	Semi-Critical
1570	Gujarat	Gir Somnath	GIR GADHDA	Safe
1571	Gujarat	Gir Somnath	KODINAR	Safe
1572	Gujarat	Gir Somnath	PATAN-VERAVAL	Safe
1573	Gujarat	Gir Somnath	SUTRAPADA	Safe
1574	Gujarat	Gir Somnath	TALALA	Safe
1575	Gujarat	Gir Somnath	UNA	Semi-Critical
1576	Gujarat	Jamnagar	DHROL	Safe
1577	Gujarat	Jamnagar	JAMJODHPUR	Safe
1578	Gujarat	Jamnagar	JAMNAGAR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1579	Gujarat	Jamnagar	JODIYA	Safe
1580	Gujarat	Jamnagar	KALAVAD	Safe
1581	Gujarat	Jamnagar	LALPUR	Safe
1582	Gujarat	Junagadh	BHESAN	Over-Exploited
1583	Gujarat	Junagadh	JUNAGADH CITY & JUNA	Over-Exploited
1584	Gujarat	Junagadh	KESHOD	Semi-Critical
1585	Gujarat	Junagadh	MALIA	Semi-Critical
1586	Gujarat	Junagadh	MANAVADAR	Over-Exploited
1587	Gujarat	Junagadh	MANGROL	Safe
1588	Gujarat	Junagadh	MENDARDA	Safe
1589	Gujarat	Junagadh	VANTHALI	Safe
1590	Gujarat	Junagadh	VISAVADAR	Critical
1591	Gujarat	Kachchh	ABDASA	Safe
1592	Gujarat	Kachchh	ANJAR	Safe
1593	Gujarat	Kachchh	BHACHAU	Over-Exploited
1594	Gujarat	Kachchh	BHUJ	Over-Exploited
1595	Gujarat	Kachchh	GANDHIDHAM	Saline
1596	Gujarat	Kachchh	LAKHPAT	Safe
1597	Gujarat	Kachchh	MANDVI	Over-Exploited
1598	Gujarat	Kachchh	MUNDRA	Safe
1599	Gujarat	Kachchh	NAKHATRANA	Safe
1600	Gujarat	Kachchh	RAPAR	Safe
1601	Gujarat	Kheda	GALTESHWAR	Semi-Critical
1602	Gujarat	Kheda	KAPADVANJ	Safe
1603	Gujarat	Kheda	KATHLAL	Safe
1604	Gujarat	Kheda	KHEDA	Safe
1605	Gujarat	Kheda	MAHUDHA	Safe
1606	Gujarat	Kheda	MATAR	Safe
1607	Gujarat	Kheda	MEHMEDABAD	Safe
1608	Gujarat	Kheda	NADIAD	Safe
1609	Gujarat	Kheda	THASRA	Safe
1610	Gujarat	Kheda	VASO	Safe
1611	Gujarat	Mahesana	BECHARAJI	Over-Exploited
1612	Gujarat	Mahesana	JOTANA	Over-Exploited
1613	Gujarat	Mahesana	KADI	Semi-Critical
1614	Gujarat	Mahesana	KHERALU	Over-Exploited
1615	Gujarat	Mahesana	MAHESANA	Over-Exploited
1616	Gujarat	Mahesana	SATLASANA	Over-Exploited
1617	Gujarat	Mahesana	UNJHA	Semi-Critical
1618	Gujarat	Mahesana	VADNAGAR	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1619	Gujarat	Mahesana	VIJAPUR	Critical
1620	Gujarat	Mahesana	VISNAGAR	Semi-Critical
1621	Gujarat	Mahisagar	BALASINOR	Safe
1622	Gujarat	Mahisagar	KADANA	Safe
1623	Gujarat	Mahisagar	KHANPUR	Safe
1624	Gujarat	Mahisagar	LUNAWADA	Safe
1625	Gujarat	Mahisagar	SANTRAMPUR	Safe
1626	Gujarat	Mahisagar	VIRPUR	Safe
1627	Gujarat	Morbi	HALVAD	Safe
1628	Gujarat	Morbi	MALIYA	Saline
1629	Gujarat	Morbi	MORBI	Safe
1630	Gujarat	Morbi	TANKARA	Safe
1631	Gujarat	Morbi	WANKANER	Safe
1632	Gujarat	Narmada	DEDIAPADA	Safe
1633	Gujarat	Narmada	GARUDESHWAR	Safe
1634	Gujarat	Narmada	NANDOD	Semi-Critical
1635	Gujarat	Narmada	SAGBARA	Safe
1636	Gujarat	Narmada	TILAKWADA	Safe
1637	Gujarat	Navsari	BANSDA	Safe
1638	Gujarat	Navsari	CHIKHLI	Safe
1639	Gujarat	Navsari	GANDEVI	Safe
1640	Gujarat	Navsari	JALALPORE	Safe
1641	Gujarat	Navsari	KHERGAM	Safe
1642	Gujarat	Navsari	NAVSARI	Safe
1643	Gujarat	Panchmahal	GHOUGHAMBA	Safe
1644	Gujarat	Panchmahal	GODHRA	Safe
1645	Gujarat	Panchmahal	HALOL	Safe
1646	Gujarat	Panchmahal	JAMBUGHODA	Safe
1647	Gujarat	Panchmahal	KALOL	Safe
1648	Gujarat	Panchmahal	MORWA HADAF	Safe
1649	Gujarat	Panchmahal	SHEHRA	Safe
1650	Gujarat	Patan	CHANASMA	Over-Exploited
1651	Gujarat	Patan	HARIJ	Saline
1652	Gujarat	Patan	PATAN	Semi-Critical
1653	Gujarat	Patan	RADHANPUR	Saline
1654	Gujarat	Patan	SAMI	Saline
1655	Gujarat	Patan	SANKHESWAR	Saline
1656	Gujarat	Patan	SANTALPUR	Saline
1657	Gujarat	Patan	SARSVATI(PATAN)	Over-Exploited
1658	Gujarat	Patan	SIDHPUR	Critical
1659	Gujarat	Porbandar	KUTIYANA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1660	Gujarat	Porbandar	PORBANDAR	Semi-Critical
1661	Gujarat	Porbandar	RANAVAV	Safe
1662	Gujarat	Rajkot	DHORAJI	Semi-Critical
1663	Gujarat	Rajkot	GONDAL	Safe
1664	Gujarat	Rajkot	JAMKANDORNA	Safe
1665	Gujarat	Rajkot	JASDAN	Safe
1666	Gujarat	Rajkot	JETPUR	Safe
1667	Gujarat	Rajkot	KOTADA SANGANI	Safe
1668	Gujarat	Rajkot	LODHIKA	Safe
1669	Gujarat	Rajkot	PADDHARI	Safe
1670	Gujarat	Rajkot	RAJKOT	Safe
1671	Gujarat	Rajkot	UPLETA	Safe
1672	Gujarat	Rajkot	VINCHCHIYA	Semi-Critical
1673	Gujarat	Sabarkantha	HIMATNAGAR	Semi-Critical
1674	Gujarat	Sabarkantha	IDAR	Semi-Critical
1675	Gujarat	Sabarkantha	KHEDBRAHMA	Safe
1676	Gujarat	Sabarkantha	POSHINA	Safe
1677	Gujarat	Sabarkantha	PRANTIJ	Over-Exploited
1678	Gujarat	Sabarkantha	TALOD	Safe
1679	Gujarat	Sabarkantha	VADALI	Semi-Critical
1680	Gujarat	Sabarkantha	VIJAYNAGAR	Safe
1681	Gujarat	Surat	BARDOLI	Safe
1682	Gujarat	Surat	KAMREJ	Safe
1683	Gujarat	Surat	MAHUVA	Safe
1684	Gujarat	Surat	MANDVI	Safe
1685	Gujarat	Surat	MANGROL	Safe
1686	Gujarat	Surat	OLPAD	Safe
1687	Gujarat	Surat	PALSANA	Safe
1688	Gujarat	Surat	SURAT CITY & CHORASI	Safe
1689	Gujarat	Surat	UMARPADA	Safe
1690	Gujarat	Surendranagar	CHOTILA	Safe
1691	Gujarat	Surendranagar	CHUDA	Semi-Critical
1692	Gujarat	Surendranagar	DASADA	Safe
1693	Gujarat	Surendranagar	DHRANGADHRA	Safe
1694	Gujarat	Surendranagar	LAKHTAR	Saline
1695	Gujarat	Surendranagar	LIMBDI	Safe
1696	Gujarat	Surendranagar	MULI	Safe
1697	Gujarat	Surendranagar	SAYLA	Safe
1698	Gujarat	Surendranagar	THANGADH	Safe
1699	Gujarat	Surendranagar	WADHWAN	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1700	Gujarat	Tapi	DOLVAN	Safe
1701	Gujarat	Tapi	KUKARMUNDA	Safe
1702	Gujarat	Tapi	NIZAR	Safe
1703	Gujarat	Tapi	SONGADH	Safe
1704	Gujarat	Tapi	UCHCHHAL	Safe
1705	Gujarat	Tapi	VALOD	Safe
1706	Gujarat	Tapi	VYARA	Safe
1707	Gujarat	Vadodara	DABHOI	Safe
1708	Gujarat	Vadodara	DESAR	Safe
1709	Gujarat	Vadodara	KARJAN	Safe
1710	Gujarat	Vadodara	PADRA	Over-Exploited
1711	Gujarat	Vadodara	SAVLI	Safe
1712	Gujarat	Vadodara	SINOR	Safe
1713	Gujarat	Vadodara	VADODARA	Semi-Critical
1714	Gujarat	Vadodara	VAGHODIA	Safe
1715	Gujarat	Valsad	DHARAMPUR	Safe
1716	Gujarat	Valsad	KAPRADA	Safe
1717	Gujarat	Valsad	PARDI	Safe
1718	Gujarat	Valsad	UMERGAM	Safe
1719	Gujarat	Valsad	VALSAD	Safe
1720	Gujarat	Valsad	VAPI	Safe
1721	Haryana	Ambala	AMBALA-I	Critical
1722	Haryana	Ambala	AMBALA-II	Semi-Critical
1723	Haryana	Ambala	BARARA	Over-Exploited
1724	Haryana	Ambala	NARAINGARH	Over-Exploited
1725	Haryana	Ambala	SAHA	Over-Exploited
1726	Haryana	Ambala	SHAHZADPUR	Critical
1727	Haryana	Bhiwani	BAWANI KHERA	Semi-Critical
1728	Haryana	Bhiwani	BEHAL	Over-Exploited
1729	Haryana	Bhiwani	BHIWANI	Semi-Critical
1730	Haryana	Bhiwani	KAIRU	Over-Exploited
1731	Haryana	Bhiwani	LOHARU	Over-Exploited
1732	Haryana	Bhiwani	SIWANI	Safe
1733	Haryana	Bhiwani	TOSHAM	Over-Exploited
1734	Haryana	Charkhi Dadri	BADHRA	Over-Exploited
1735	Haryana	Charkhi Dadri	BAUND	Safe
1736	Haryana	Charkhi Dadri	CHARKHI DADRI	Safe
1737	Haryana	Charkhi Dadri	JHOJHU	Over-Exploited
1738	Haryana	Faridabad	BALLABGARH	Over-Exploited
1739	Haryana	Faridabad	FARIDABAD	Over-Exploited
1740	Haryana	Faridabad	TIGAON	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1741	Haryana	Fatehabad	BHATTU KALAN	Over-Exploited
1742	Haryana	Fatehabad	BHUNA	Critical
1743	Haryana	Fatehabad	FATEHABAD	Over-Exploited
1744	Haryana	Fatehabad	JAKHAL	Over-Exploited
1745	Haryana	Fatehabad	NAGPUR	Over-Exploited
1746	Haryana	Fatehabad	RATIA	Over-Exploited
1747	Haryana	Fatehabad	TOHANA	Over-Exploited
1748	Haryana	Gurgaon	FARRUKH NAGAR	Over-Exploited
1749	Haryana	Gurgaon	GURGAON	Over-Exploited
1750	Haryana	Gurgaon	PATAUDI	Over-Exploited
1751	Haryana	Gurgaon	SOHNA	Over-Exploited
1752	Haryana	Hisar	ADAMPUR	Critical
1753	Haryana	Hisar	AGROHA	Critical
1754	Haryana	Hisar	BARWALA	Over-Exploited
1755	Haryana	Hisar	HANSI	Semi-Critical
1756	Haryana	Hisar	HANSI-II	Safe
1757	Haryana	Hisar	HISAR-I	Semi-Critical
1758	Haryana	Hisar	HISAR-II	Semi-Critical
1759	Haryana	Hisar	NARNAUND	Over-Exploited
1760	Haryana	Hisar	UKLANA	Safe
1761	Haryana	Jhajjar	BADLI	Semi-Critical
1762	Haryana	Jhajjar	BAHADURGARH	Safe
1763	Haryana	Jhajjar	BERI	Safe
1764	Haryana	Jhajjar	JHAJJAR	Safe
1765	Haryana	Jhajjar	MACHHRAULI	Safe
1766	Haryana	Jhajjar	MATANNAIL	Safe
1767	Haryana	Jhajjar	SALHAWAS	Safe
1768	Haryana	Jind	ALEWA	Over-Exploited
1769	Haryana	Jind	JIND	Over-Exploited
1770	Haryana	Jind	JULANA	Safe
1771	Haryana	Jind	NARWANA	Safe
1772	Haryana	Jind	PILLUKHERA	Semi-Critical
1773	Haryana	Jind	SAFIDON	Over-Exploited
1774	Haryana	Jind	UCHANA	Over-Exploited
1775	Haryana	Jind	UJHANA	Over-Exploited
1776	Haryana	Kaithal	DHAND	Over-Exploited
1777	Haryana	Kaithal	GUHLA	Over-Exploited
1778	Haryana	Kaithal	KAITHAL	Over-Exploited
1779	Haryana	Kaithal	KALAYAT	Over-Exploited
1780	Haryana	Kaithal	PUNDRI	Over-Exploited
1781	Haryana	Kaithal	RAJOUND	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1782	Haryana	Kaithal	SIWAN	Over-Exploited
1783	Haryana	Karnal	ASSANDH	Over-Exploited
1784	Haryana	Karnal	GHARAUNDA (PART)	Over-Exploited
1785	Haryana	Karnal	INDRI	Semi-Critical
1786	Haryana	Karnal	KARNAL	Over-Exploited
1787	Haryana	Karnal	KUNJPURA	Over-Exploited
1788	Haryana	Karnal	MUNAK	Over-Exploited
1789	Haryana	Karnal	NILOKHERI	Over-Exploited
1790	Haryana	Karnal	NISSING AT CHIRAO	Over-Exploited
1791	Haryana	Kurukshetra	BABAIN	Over-Exploited
1792	Haryana	Kurukshetra	ISMAILABAD	Over-Exploited
1793	Haryana	Kurukshetra	LADWA	Over-Exploited
1794	Haryana	Kurukshetra	PEHOWA	Over-Exploited
1795	Haryana	Kurukshetra	PIPLI	Over-Exploited
1796	Haryana	Kurukshetra	SHAHBAD	Over-Exploited
1797	Haryana	Kurukshetra	THANESAR	Over-Exploited
1798	Haryana	Mahendragarh	ATELI NANGAL	Critical
1799	Haryana	Mahendragarh	KANINA	Over-Exploited
1800	Haryana	Mahendragarh	MAHENDRAGARH	Over-Exploited
1801	Haryana	Mahendragarh	NANGAL CHAUDHRY	Safe
1802	Haryana	Mahendragarh	NARNAUL	Safe
1803	Haryana	Mahendragarh	NIZAMPUR	Safe
1804	Haryana	Mahendragarh	SATNALI	Semi-Critical
1805	Haryana	Mahendragarh	SIHMA	Over-Exploited
1806	Haryana	Mewat	FEROZEPUR JHIRKA	Critical
1807	Haryana	Mewat	INDRI	Semi-Critical
1808	Haryana	Mewat	NAGINA	Safe
1809	Haryana	Mewat	NUH	Safe
1810	Haryana	Mewat	PINGWAN	Safe
1811	Haryana	Mewat	PUNAHANA	Critical
1812	Haryana	Mewat	TAORU	Over-Exploited
1813	Haryana	Palwal	BADOLI	Over-Exploited
1814	Haryana	Palwal	HASSANPUR	Critical
1815	Haryana	Palwal	HATHIN	Safe
1816	Haryana	Palwal	HODAL	Semi-Critical
1817	Haryana	Palwal	PALWAL	Semi-Critical
1818	Haryana	Palwal	PRITHLA	Over-Exploited
1819	Haryana	Panchkula	BARWALA	Safe
1820	Haryana	Panchkula	PINJORE	Safe
1821	Haryana	Panchkula	RAIPUR RANI	Critical
1822	Haryana	Panipat	BAPOLI	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1823	Haryana	Panipat	ISRANA	Over-Exploited
1824	Haryana	Panipat	MADLAUDA	Over-Exploited
1825	Haryana	Panipat	PANIPAT	Over-Exploited
1826	Haryana	Panipat	SAMALKHA	Over-Exploited
1827	Haryana	Panipat	SANAULI KHURD	Over-Exploited
1828	Haryana	Rewari	BAWAL	Over-Exploited
1829	Haryana	Rewari	DAHINA	Critical
1830	Haryana	Rewari	DHARUHERA	Over-Exploited
1831	Haryana	Rewari	JATUSANA	Over-Exploited
1832	Haryana	Rewari	KHOL AT REWARI	Over-Exploited
1833	Haryana	Rewari	NAHAR	Over-Exploited
1834	Haryana	Rewari	REWARI	Over-Exploited
1835	Haryana	Rohtak	KALANAUR	Safe
1836	Haryana	Rohtak	LAKHAN MAJRA	Safe
1837	Haryana	Rohtak	MAHAM	Safe
1838	Haryana	Rohtak	ROHTAK	Safe
1839	Haryana	Rohtak	SAMPLA	Safe
1840	Haryana	Sirsa	BARAGUDHA	Semi-Critical
1841	Haryana	Sirsa	DABWALI	Over-Exploited
1842	Haryana	Sirsa	ELLENABAD	Over-Exploited
1843	Haryana	Sirsa	NATHUSARI CHOPTA	Over-Exploited
1844	Haryana	Sirsa	ODHAN	Over-Exploited
1845	Haryana	Sirsa	RANIA	Over-Exploited
1846	Haryana	Sirsa	SIRSA	Over-Exploited
1847	Haryana	Sonipat	GANAUR	Over-Exploited
1848	Haryana	Sonipat	GOHANA	Safe
1849	Haryana	Sonipat	KATHURA	Safe
1850	Haryana	Sonipat	KHARKHODA	Safe
1851	Haryana	Sonipat	MUNDLANA	Over-Exploited
1852	Haryana	Sonipat	MURTHAL	Over-Exploited
1853	Haryana	Sonipat	RAI	Over-Exploited
1854	Haryana	Sonipat	SONIPAT	Over-Exploited
1855	Haryana	Yamuna Nagar	BILASPUR	Over-Exploited
1856	Haryana	Yamuna Nagar	CHHACHHRAULI	Over-Exploited
1857	Haryana	Yamuna Nagar	JAGADHRI	Over-Exploited
1858	Haryana	Yamuna Nagar	KHIZRABAD	Over-Exploited
1859	Haryana	Yamuna Nagar	MUSTAFABAD	Over-Exploited
1860	Haryana	Yamuna Nagar	RADAUR	Over-Exploited
1861	Haryana	Yamuna Nagar	SADAURA (PART)	Critical
1862	Himachal Pradesh	Kangra	DHARAMSHALA VALLEY	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1863	Himachal Pradesh	Kangra	NURPUR & INDAURA VALLEY	Safe
1864	Himachal Pradesh	Mandi	BALH VALLEY	Safe
1865	Himachal Pradesh	Mandi	CHAUNTRA VALLEY	Safe
1866	Himachal Pradesh	Sirmour	KALA AMB VALLEY	Safe
1867	Himachal Pradesh	Sirmour	POANTA VALLEY	Safe
1868	Himachal Pradesh	Solan	NALAGARH VALLEY	Safe
1869	Himachal Pradesh	Una	HUM VALLEY	Safe
1870	Himachal Pradesh	Una	UNA VALLEY BEAS CATCHMENT	Safe
1871	Himachal Pradesh	Una	UNA VALLEY SUTLEJ CATCHMENT	Safe
1872	Jammu&Kashmir	Anantnag	ANANTNAG	Safe
1873	Jammu&Kashmir	Bandipora	BANDIPORA	Safe
1874	Jammu&Kashmir	Baramulla	BARAMULLA	Safe
1875	Jammu&Kashmir	Budgam	BUDGAM	Safe
1876	Jammu&Kashmir	Doda	DODA	Safe
1877	Jammu&Kashmir	Ganderbal	GANDERBAL	Safe
1878	Jammu&Kashmir	Jammu	JAMMU	Safe
1879	Jammu&Kashmir	Kathua	KATHUA	Safe
1880	Jammu&Kashmir	Kishtwar	KISHTWAR	Safe
1881	Jammu&Kashmir	Kulgam	KULGAM	Safe
1882	Jammu&Kashmir	Kupwara	KUPWARA	Safe
1883	Jammu&Kashmir	Poonch	POONCH	Safe
1884	Jammu&Kashmir	Pulwama	PULWAMA	Safe
1885	Jammu&Kashmir	Rajouri	RAJOURI	Safe
1886	Jammu&Kashmir	Ramban	RAMBAN	Safe
1887	Jammu&Kashmir	Reasi	REASI	Safe
1888	Jammu&Kashmir	Samba	SAMBA	Safe
1889	Jammu&Kashmir	Shopian	SHOPIAN	Safe
1890	Jammu&Kashmir	Srinagar	SRINAGAR	Safe
1891	Jammu&Kashmir	Udhampur	UDHAMPUR	Safe
1892	Jharkhand	Bokaro	BERMO	Over-Exploited
1893	Jharkhand	Bokaro	CHANDAN KIYARI	Safe
1894	Jharkhand	Bokaro	CHANDRAPURA	Safe
1895	Jharkhand	Bokaro	CHAS	Semi-Critical
1896	Jharkhand	Bokaro	GUMIA	Safe
1897	Jharkhand	Bokaro	JARIDIH	Safe
1898	Jharkhand	Bokaro	KASMAR	Safe
1899	Jharkhand	Bokaro	NAWADIH	Safe
1900	Jharkhand	Bokaro	PETERBAR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1901	Jharkhand	Chatra	CHATRA	Safe
1902	Jharkhand	Chatra	GIDHAUR	Safe
1903	Jharkhand	Chatra	HUNTERGANJ	Safe
1904	Jharkhand	Chatra	ITKHORI	Safe
1905	Jharkhand	Chatra	KANHACHATTI	Safe
1906	Jharkhand	Chatra	KUNDA	Safe
1907	Jharkhand	Chatra	LAWALONG	Safe
1908	Jharkhand	Chatra	MAYURHUND	Safe
1909	Jharkhand	Chatra	PATHALGODA	Safe
1910	Jharkhand	Chatra	PRATAPPUR	Safe
1911	Jharkhand	Chatra	SIMARIA	Safe
1912	Jharkhand	Chatra	TANDWA	Safe
1913	Jharkhand	Deoghar	DEOGHAR	Safe
1914	Jharkhand	Deoghar	DEVIPUR	Safe
1915	Jharkhand	Deoghar	KARON	Safe
1916	Jharkhand	Deoghar	MADHUPUR	Safe
1917	Jharkhand	Deoghar	MARGOMUNDA	Safe
1918	Jharkhand	Deoghar	MOHANPUR	Safe
1919	Jharkhand	Deoghar	PALJORI	Safe
1920	Jharkhand	Deoghar	SARATH	Safe
1921	Jharkhand	Deoghar	SARWAN	Safe
1922	Jharkhand	Deoghar	SONARATHADHI	Semi-Critical
1923	Jharkhand	Dhanbad	BAGHMARA	Safe
1924	Jharkhand	Dhanbad	BALIAPUR	Critical
1925	Jharkhand	Dhanbad	CHIRKUNDA	Safe
1926	Jharkhand	Dhanbad	DHANBAD & JHARIA	Semi-Critical
1927	Jharkhand	Dhanbad	GOBINDPUR	Safe
1928	Jharkhand	Dhanbad	PURBI TUNDI	Safe
1929	Jharkhand	Dhanbad	TOPCHANCHI	Over-Exploited
1930	Jharkhand	Dhanbad	TUNDI	Safe
1931	Jharkhand	Dumka	DUMKA	Safe
1932	Jharkhand	Dumka	GOPIKANDER	Safe
1933	Jharkhand	Dumka	JAMA	Safe
1934	Jharkhand	Dumka	JARMUNDI	Safe
1935	Jharkhand	Dumka	KATHIKUND	Safe
1936	Jharkhand	Dumka	MASALIA	Safe
1937	Jharkhand	Dumka	RAMGARH	Safe
1938	Jharkhand	Dumka	RANISHWAR	Safe
1939	Jharkhand	Dumka	SARAIYAHAT	Safe
1940	Jharkhand	Dumka	SHIKARIPARA	Safe
1941	Jharkhand	East Singhbhum	BAHARAGORA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1942	Jharkhand	East Singhbhum	BORAM	Safe
1943	Jharkhand	East Singhbhum	CHAKULIA	Safe
1944	Jharkhand	East Singhbhum	DHALBHUMGARH	Safe
1945	Jharkhand	East Singhbhum	DUMARIA	Safe
1946	Jharkhand	East Singhbhum	GHATSILA	Safe
1947	Jharkhand	East Singhbhum	GOLMURI CUM JUGSALAI	Over-Exploited
1948	Jharkhand	East Singhbhum	GURABANDHA	Safe
1949	Jharkhand	East Singhbhum	MUSABANI	Safe
1950	Jharkhand	East Singhbhum	PATAMDA	Safe
1951	Jharkhand	East Singhbhum	POTKA	Safe
1952	Jharkhand	Garhwa	BARDIHA	Safe
1953	Jharkhand	Garhwa	BHANDARIA	Safe
1954	Jharkhand	Garhwa	BHAWANATHPUR	Semi-Critical
1955	Jharkhand	Garhwa	BISHUNPURA	Safe
1956	Jharkhand	Garhwa	CHINIA	Safe
1957	Jharkhand	Garhwa	DANDA	Safe
1958	Jharkhand	Garhwa	DANDAI	Safe
1959	Jharkhand	Garhwa	DHURKI	Safe
1960	Jharkhand	Garhwa	GARHWA	Safe
1961	Jharkhand	Garhwa	KANDI	Safe
1962	Jharkhand	Garhwa	KETAR	Safe
1963	Jharkhand	Garhwa	KHARAONDHI	Safe
1964	Jharkhand	Garhwa	MAJHIAON	Safe
1965	Jharkhand	Garhwa	MERAL	Safe
1966	Jharkhand	Garhwa	RAMKANDA	Safe
1967	Jharkhand	Garhwa	RAMNA	Safe
1968	Jharkhand	Garhwa	RANKA	Safe
1969	Jharkhand	Garhwa	SAGMA	Safe
1970	Jharkhand	Garhwa	UNTARI	Safe
1971	Jharkhand	Giridih	BAGODAR	Safe
1972	Jharkhand	Giridih	BENGABAD	Safe
1973	Jharkhand	Giridih	BIRNI	Safe
1974	Jharkhand	Giridih	DEORI	Safe
1975	Jharkhand	Giridih	DHANWAR	Safe
1976	Jharkhand	Giridih	DUMRI	Safe
1977	Jharkhand	Giridih	GANDE	Safe
1978	Jharkhand	Giridih	GAWAN	Safe
1979	Jharkhand	Giridih	GIRIDIH	Safe
1980	Jharkhand	Giridih	JAMUA	Safe
1981	Jharkhand	Giridih	PIRTANR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
1982	Jharkhand	Giridih	SARIA	Safe
1983	Jharkhand	Giridih	TISRI	Safe
1984	Jharkhand	Godda	BASANTRAI	Safe
1985	Jharkhand	Godda	BOARIJOR	Safe
1986	Jharkhand	Godda	GODDA	Safe
1987	Jharkhand	Godda	MAHAGAMA	Safe
1988	Jharkhand	Godda	MEHERMA	Safe
1989	Jharkhand	Godda	PATHARGAMA	Safe
1990	Jharkhand	Godda	POREYAHAT	Safe
1991	Jharkhand	Godda	SUNDERPAHARI	Safe
1992	Jharkhand	Godda	THAKURGHANTI	Safe
1993	Jharkhand	Gumla	ALBERT EKKA	Safe
1994	Jharkhand	Gumla	BASIA	Safe
1995	Jharkhand	Gumla	BHARNO	Safe
1996	Jharkhand	Gumla	BISHUNPUR	Safe
1997	Jharkhand	Gumla	CHAINPUR	Safe
1998	Jharkhand	Gumla	DUMRI	Safe
1999	Jharkhand	Gumla	GHAGHRA	Safe
2000	Jharkhand	Gumla	GUMLA	Safe
2001	Jharkhand	Gumla	KAMDARA	Safe
2002	Jharkhand	Gumla	PALKOT	Safe
2003	Jharkhand	Gumla	RAIDIH	Safe
2004	Jharkhand	Gumla	SISAI	Safe
2005	Jharkhand	Hazaribagh	BARHI	Safe
2006	Jharkhand	Hazaribagh	BARKAGAON	Safe
2007	Jharkhand	Hazaribagh	BARKATHA	Safe
2008	Jharkhand	Hazaribagh	BISHNUGARH	Safe
2009	Jharkhand	Hazaribagh	CHALKUSHA	Safe
2010	Jharkhand	Hazaribagh	CHAUPARAN	Safe
2011	Jharkhand	Hazaribagh	CHURCHU	Safe
2012	Jharkhand	Hazaribagh	DARI	Safe
2013	Jharkhand	Hazaribagh	DARU	Semi-Critical
2014	Jharkhand	Hazaribagh	HAZARIBAGH	Safe
2015	Jharkhand	Hazaribagh	ICHAK	Safe
2016	Jharkhand	Hazaribagh	KATKAMDAG	Safe
2017	Jharkhand	Hazaribagh	KATKAMSANDI	Safe
2018	Jharkhand	Hazaribagh	KEREDARI	Safe
2019	Jharkhand	Hazaribagh	PADMA	Safe
2020	Jharkhand	Hazaribagh	TATIJHARIA	Safe
2021	Jharkhand	Jamtara	FATEPUR	Safe
2022	Jharkhand	Jamtara	JAMTARA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2023	Jharkhand	Jamtara	KUNDAHIT	Safe
2024	Jharkhand	Jamtara	NALA	Safe
2025	Jharkhand	Jamtara	NARAYANPUR	Safe
2026	Jharkhand	Jamtara	VIDYASAGAR	Safe
2027	Jharkhand	Khunti	ERKI	Safe
2028	Jharkhand	Khunti	KARRA	Safe
2029	Jharkhand	Khunti	KHUNTI	Safe
2030	Jharkhand	Khunti	MURHU	Safe
2031	Jharkhand	Khunti	RANIA	Safe
2032	Jharkhand	Khunti	TORPA	Safe
2033	Jharkhand	Koderma	CHANDWARA	Safe
2034	Jharkhand	Koderma	DOMCHANCH	Safe
2035	Jharkhand	Koderma	JAINAGAR	Safe
2036	Jharkhand	Koderma	KODERMA	Safe
2037	Jharkhand	Koderma	MARKACHHO	Safe
2038	Jharkhand	Koderma	SATGAWAN	Safe
2039	Jharkhand	Latehar	BALUMATH	Safe
2040	Jharkhand	Latehar	BARIATU	Safe
2041	Jharkhand	Latehar	BARWADIH	Safe
2042	Jharkhand	Latehar	CHANDWA	Safe
2043	Jharkhand	Latehar	GARU	Safe
2044	Jharkhand	Latehar	HERHANG	Safe
2045	Jharkhand	Latehar	LATEHAR	Safe
2046	Jharkhand	Latehar	MAHUADANR	Safe
2047	Jharkhand	Latehar	MANIKA	Safe
2048	Jharkhand	Lohardaga	BHANDRA	Safe
2049	Jharkhand	Lohardaga	KARRO	Safe
2050	Jharkhand	Lohardaga	KISKO	Safe
2051	Jharkhand	Lohardaga	KURU	Safe
2052	Jharkhand	Lohardaga	LOHARDAGA	Safe
2053	Jharkhand	Lohardaga	PESHRAR	Safe
2054	Jharkhand	Lohardaga	SENHA	Safe
2055	Jharkhand	Pakur	AMRAPARA	Safe
2056	Jharkhand	Pakur	HIRANPUR	Safe
2057	Jharkhand	Pakur	LITIPARA	Safe
2058	Jharkhand	Pakur	MAHESHPUR	Safe
2059	Jharkhand	Pakur	PAKUR	Safe
2060	Jharkhand	Pakur	PAKURIA	Safe
2061	Jharkhand	Palamau	BISHRAMPUR	Safe
2062	Jharkhand	Palamau	CHAINPUR	Safe
2063	Jharkhand	Palamau	CHHATARPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2064	Jharkhand	Palamau	DALTONGANJ	Safe
2065	Jharkhand	Palamau	HAIDERNAGAR	Safe
2066	Jharkhand	Palamau	HARIHARGANJ	Safe
2067	Jharkhand	Palamau	HUSAINABAD	Safe
2068	Jharkhand	Palamau	LESLIEGANJ	Safe
2069	Jharkhand	Palamau	MANATU	Safe
2070	Jharkhand	Palamau	MOHAMMEDGANJ	Safe
2071	Jharkhand	Palamau	NAWABAZAR	Safe
2072	Jharkhand	Palamau	NAWADIH	Safe
2073	Jharkhand	Palamau	PANDU	Safe
2074	Jharkhand	Palamau	PANDWA	Safe
2075	Jharkhand	Palamau	PANKI	Safe
2076	Jharkhand	Palamau	PATAN	Safe
2077	Jharkhand	Palamau	PIPRA	Safe
2078	Jharkhand	Palamau	SATBARWA	Safe
2079	Jharkhand	Palamau	TARHASI	Safe
2080	Jharkhand	Palamau	UTARIOR	Safe
2081	Jharkhand	Ramgarh	CHITARPUR	Semi-Critical
2082	Jharkhand	Ramgarh	DULMI	Safe
2083	Jharkhand	Ramgarh	GOLA	Safe
2084	Jharkhand	Ramgarh	MANDU	Semi-Critical
2085	Jharkhand	Ramgarh	PATRATU	Safe
2086	Jharkhand	Ramgarh	RAMGARH	Semi-Critical
2087	Jharkhand	Ranchi	ANGARA	Safe
2088	Jharkhand	Ranchi	BERO	Safe
2089	Jharkhand	Ranchi	BUNDU	Safe
2090	Jharkhand	Ranchi	BURMU	Safe
2091	Jharkhand	Ranchi	CHANHO	Safe
2092	Jharkhand	Ranchi	ITKI	Safe
2093	Jharkhand	Ranchi	KANKE	Semi-Critical
2094	Jharkhand	Ranchi	KHELARI	Semi-Critical
2095	Jharkhand	Ranchi	LAPUNG	Safe
2096	Jharkhand	Ranchi	MANDAR	Safe
2097	Jharkhand	Ranchi	NAGRI	Safe
2098	Jharkhand	Ranchi	NAMKUM	Safe
2099	Jharkhand	Ranchi	ORMANJHI	Safe
2100	Jharkhand	Ranchi	RAHE	Safe
2101	Jharkhand	Ranchi	RATU	Safe
2102	Jharkhand	Ranchi	SILLI	Critical
2103	Jharkhand	Ranchi	SONAHATU	Safe
2104	Jharkhand	Ranchi	TAMAR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2105	Jharkhand	Sahebganj	BARHAIT	Safe
2106	Jharkhand	Sahebganj	BARHARWA	Safe
2107	Jharkhand	Sahebganj	BORIO	Safe
2108	Jharkhand	Sahebganj	MANDRO	Safe
2109	Jharkhand	Sahebganj	PATHNA	Safe
2110	Jharkhand	Sahebganj	RAJMAHAL	Safe
2111	Jharkhand	Sahebganj	SAHEBGANJ	Safe
2112	Jharkhand	Sahebganj	TALJHARI	Safe
2113	Jharkhand	Sahebganj	UDHUA	Safe
2114	Jharkhand	Saraikela - Kharsawa	ADITYAPUR (GAMHARIA)	Safe
2115	Jharkhand	Saraikela - Kharsawa	CHANDIL	Safe
2116	Jharkhand	Saraikela - Kharsawa	GOBINDPUR	Safe
2117	Jharkhand	Saraikela - Kharsawa	ICHAGARH	Safe
2118	Jharkhand	Saraikela - Kharsawa	KHARSAWAN	Safe
2119	Jharkhand	Saraikela - Kharsawa	KUCHAI	Safe
2120	Jharkhand	Saraikela - Kharsawa	KUKRU	Safe
2121	Jharkhand	Saraikela - Kharsawa	NIMDIH	Safe
2122	Jharkhand	Saraikela - Kharsawa	SERAIKELA	Safe
2123	Jharkhand	Simdega	BANO	Safe
2124	Jharkhand	Simdega	BANSJOR	Safe
2125	Jharkhand	Simdega	BOLBA	Safe
2126	Jharkhand	Simdega	JALDEGA	Safe
2127	Jharkhand	Simdega	KERSAI	Safe
2128	Jharkhand	Simdega	KOLEBIRA	Safe
2129	Jharkhand	Simdega	KURDEG	Safe
2130	Jharkhand	Simdega	PAKARDANR	Safe
2131	Jharkhand	Simdega	SIMDEGA	Safe
2132	Jharkhand	Simdega	THETHAITANGAR	Safe
2133	Jharkhand	West Singhbhum	ANANDPUR	Safe
2134	Jharkhand	West Singhbhum	BANDGAON	Safe
2135	Jharkhand	West Singhbhum	CHAIBASA	Safe
2136	Jharkhand	West Singhbhum	CHAKRADHARPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2137	Jharkhand	West Singhbhum	GOELKERA	Safe
2138	Jharkhand	West Singhbhum	GUDRI	Safe
2139	Jharkhand	West Singhbhum	HATGAMARIA	Safe
2140	Jharkhand	West Singhbhum	JAGANNATHPUR	Safe
2141	Jharkhand	West Singhbhum	JHINKPANI	Safe
2142	Jharkhand	West Singhbhum	KHUNTPANI	Safe
2143	Jharkhand	West Singhbhum	KUMARDUNGI	Safe
2144	Jharkhand	West Singhbhum	MAJHGAON	Safe
2145	Jharkhand	West Singhbhum	MANJHARI	Safe
2146	Jharkhand	West Singhbhum	MANOHARPUR	Safe
2147	Jharkhand	West Singhbhum	NOAMUNDI	Safe
2148	Jharkhand	West Singhbhum	SONUA	Safe
2149	Jharkhand	West Singhbhum	TANTNAGAR	Safe
2150	Jharkhand	West Singhbhum	TONTO	Safe
2151	Karnataka	Bagalkot	BADAMI	Over-Exploited
2152	Karnataka	Bagalkot	BAGALKOTE	Over-Exploited
2153	Karnataka	Bagalkot	BILGI	Safe
2154	Karnataka	Bagalkot	GULEDAGUDDA	Over-Exploited
2155	Karnataka	Bagalkot	HUNGUND	Semi-Critical
2156	Karnataka	Bagalkot	ILKAL	Safe
2157	Karnataka	Bagalkot	JAMKHANDI	Safe
2158	Karnataka	Bagalkot	MUDHOL	Critical
2159	Karnataka	Bagalkot	RABAKAVI BANAHATTI	Semi-Critical
2160	Karnataka	Bangalore Rur	DEVENHALLI	Over-Exploited
2161	Karnataka	Bangalore Rur	DODABALLAPUR	Over-Exploited
2162	Karnataka	Bangalore Rur	HOSKOTE	Over-Exploited
2163	Karnataka	Bangalore Rur	NELAMANGALA	Over-Exploited
2164	Karnataka	Bangalore Urb	ANEKAL	Over-Exploited
2165	Karnataka	Bangalore Urb	BENGALURU EAST	Over-Exploited
2166	Karnataka	Bangalore Urb	BENGALURU NORTH	Over-Exploited
2167	Karnataka	Bangalore Urb	BENGALURU SOUTH	Over-Exploited
2168	Karnataka	Bangalore Urb	YELAHANKA	Over-Exploited
2169	Karnataka	Belagavi	ATHANI	Critical
2170	Karnataka	Belagavi	BAILAHONGAL	Over-Exploited
2171	Karnataka	Belagavi	BELAGAVI	Safe
2172	Karnataka	Belagavi	CHIKODI	Semi-Critical
2173	Karnataka	Belagavi	GOKAK	Semi-Critical
2174	Karnataka	Belagavi	HUKKERI	Semi-Critical
2175	Karnataka	Belagavi	KAGAVADA	Over-Exploited
2176	Karnataka	Belagavi	KHANAPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2177	Karnataka	Belagavi	KITTHURU	Safe
2178	Karnataka	Belagavi	MUDALAGI	Semi-Critical
2179	Karnataka	Belagavi	NIPPANI	Safe
2180	Karnataka	Belagavi	RAMDURG	Over-Exploited
2181	Karnataka	Belagavi	RAYBAG	Safe
2182	Karnataka	Belagavi	SAUNDATTI	Over-Exploited
2183	Karnataka	Bellary	BALLARI	Safe
2184	Karnataka	Bellary	H.B.HALLI	Over-Exploited
2185	Karnataka	Bellary	HADAGALLI	Semi-Critical
2186	Karnataka	Bellary	HARAPANAHALLI	Over-Exploited
2187	Karnataka	Bellary	HOSAPETE	Safe
2188	Karnataka	Bellary	KAMPLI	Safe
2189	Karnataka	Bellary	KOTTURU	Over-Exploited
2190	Karnataka	Bellary	KUDLIGI	Safe
2191	Karnataka	Bellary	KURUGODU	Safe
2192	Karnataka	Bellary	SANDUR	Safe
2193	Karnataka	Bellary	SIRUGUPPA	Safe
2194	Karnataka	Bidar	AURAD	Safe
2195	Karnataka	Bidar	BASAVAKALYAN	Safe
2196	Karnataka	Bidar	BHALKI	Semi-Critical
2197	Karnataka	Bidar	BIDAR	Safe
2198	Karnataka	Bidar	CHITTAGUPPA	Safe
2199	Karnataka	Bidar	HOMNABAD	Safe
2200	Karnataka	Bidar	HULASURU	Semi-Critical
2201	Karnataka	Bidar	KAMALANAGARA	Safe
2202	Karnataka	Chamrajnagara	CHAMRAJNAGARA	Over-Exploited
2203	Karnataka	Chamrajnagara	GUNDLUPET	Over-Exploited
2204	Karnataka	Chamrajnagara	KOLLEGAL	Semi-Critical
2205	Karnataka	Chamrajnagara	KOLLEGALA(HANUR)	Semi-Critical
2206	Karnataka	Chamrajnagara	YELANDUR	Critical
2207	Karnataka	Chikballapur	BAGEPALLI	Over-Exploited
2208	Karnataka	Chikballapur	CHIKBALLAPUR	Over-Exploited
2209	Karnataka	Chikballapur	CHINTAMANI	Over-Exploited
2210	Karnataka	Chikballapur	GAURIBIDALUR	Over-Exploited
2211	Karnataka	Chikballapur	GUDIBANDA	Over-Exploited
2212	Karnataka	Chikballapur	SIDLAGHATA	Over-Exploited
2213	Karnataka	Chikkamagalur	AJJAMPURA	Over-Exploited
2214	Karnataka	Chikkamagalur	CHIKKAMAGALURU	Safe
2215	Karnataka	Chikkamagalur	KADUR	Over-Exploited
2216	Karnataka	Chikkamagalur	KOPPA	Safe
2217	Karnataka	Chikkamagalur	MUDIGERE	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2218	Karnataka	Chikkamagalur	N R PURA	Safe
2219	Karnataka	Chikkamagalur	SRINGERI	Safe
2220	Karnataka	Chikkamagalur	TARIKERE	Safe
2221	Karnataka	Chitradurga	CHALLAKERE	Over-Exploited
2222	Karnataka	Chitradurga	CHITRADURGA	Over-Exploited
2223	Karnataka	Chitradurga	HIRIYUR	Over-Exploited
2224	Karnataka	Chitradurga	HOLALKERE	Over-Exploited
2225	Karnataka	Chitradurga	HOSADURGA	Over-Exploited
2226	Karnataka	Chitradurga	MOLAKALMURU	Safe
2227	Karnataka	Dakshin Kanna	BANTVAL	Safe
2228	Karnataka	Dakshin Kanna	BELTHANGADI	Safe
2229	Karnataka	Dakshin Kanna	KADABA	Safe
2230	Karnataka	Dakshin Kanna	MANGALURU	Safe
2231	Karnataka	Dakshin Kanna	MUDABIDRI	Safe
2232	Karnataka	Dakshin Kanna	PUTTUR	Safe
2233	Karnataka	Dakshin Kanna	SULYA	Safe
2234	Karnataka	Davangere	CHANNAGIRI	Over-Exploited
2235	Karnataka	Davangere	DAVANGERE	Critical
2236	Karnataka	Davangere	HARIHAR	Safe
2237	Karnataka	Davangere	HONNALLI	Semi-Critical
2238	Karnataka	Davangere	JAGALUR	Over-Exploited
2239	Karnataka	Davangere	NYAMATI	Semi-Critical
2240	Karnataka	Dharwad	ALNAVARA	Safe
2241	Karnataka	Dharwad	ANNIGERI	Safe
2242	Karnataka	Dharwad	DHARWAD	Safe
2243	Karnataka	Dharwad	HUBBALLI	Safe
2244	Karnataka	Dharwad	HUBLI	Safe
2245	Karnataka	Dharwad	KALGHATGI	Safe
2246	Karnataka	Dharwad	KUNDAGOL	Safe
2247	Karnataka	Dharwad	NAVALGUND	Safe
2248	Karnataka	Gadag	GADAG	Critical
2249	Karnataka	Gadag	GAJENDRAGAD	Over-Exploited
2250	Karnataka	Gadag	LAXMESHWAR	Safe
2251	Karnataka	Gadag	MUNDARGI	Semi-Critical
2252	Karnataka	Gadag	NARGUND	Semi-Critical
2253	Karnataka	Gadag	RON	Over-Exploited
2254	Karnataka	Gadag	SHIRHATTI	Semi-Critical
2255	Karnataka	Hassan	ALUR	Safe
2256	Karnataka	Hassan	ARKALGUD	Safe
2257	Karnataka	Hassan	ARSIKERE	Over-Exploited
2258	Karnataka	Hassan	BELUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2259	Karnataka	Hassan	C R PATNA	Critical
2260	Karnataka	Hassan	HASSAN	Safe
2261	Karnataka	Hassan	HOLENARSIPUR	Safe
2262	Karnataka	Hassan	SAKLESHPUR	Safe
2263	Karnataka	Haveri	BYADGI	Semi-Critical
2264	Karnataka	Haveri	HANGAL	Safe
2265	Karnataka	Haveri	HAVERI	Safe
2266	Karnataka	Haveri	HIREKERUR	Semi-Critical
2267	Karnataka	Haveri	RANIBENNUR	Semi-Critical
2268	Karnataka	Haveri	RATTEEHALLI	Semi-Critical
2269	Karnataka	Haveri	SAVANNUR	Safe
2270	Karnataka	Haveri	SHIGGAON	Safe
2271	Karnataka	Kalburagi	AFZALPUR	Semi-Critical
2272	Karnataka	Kalburagi	ALAND	Safe
2273	Karnataka	Kalburagi	CHINCHOLI	Safe
2274	Karnataka	Kalburagi	CHITHAPUR	Safe
2275	Karnataka	Kalburagi	JEVARGI	Safe
2276	Karnataka	Kalburagi	KALABURAGI	Safe
2277	Karnataka	Kalburagi	KALAGI	Safe
2278	Karnataka	Kalburagi	KAMALAPURA	Safe
2279	Karnataka	Kalburagi	SEDAM	Safe
2280	Karnataka	Kalburagi	SHAHBADHA	Safe
2281	Karnataka	Kalburagi	YADRAMI	Safe
2282	Karnataka	Kodagu	MADIKERI	Safe
2283	Karnataka	Kodagu	SOMVARPET	Safe
2284	Karnataka	Kodagu	VIRAJPET	Safe
2285	Karnataka	Kolar	BANGARPET	Over-Exploited
2286	Karnataka	Kolar	K.G.F	Over-Exploited
2287	Karnataka	Kolar	KOLAR	Over-Exploited
2288	Karnataka	Kolar	MALUR	Over-Exploited
2289	Karnataka	Kolar	MULBAGAL	Over-Exploited
2290	Karnataka	Kolar	SRINIVASPUR	Over-Exploited
2291	Karnataka	Koppal	GANGAWATI	Safe
2292	Karnataka	Koppal	KANAKAGIRI	Semi-Critical
2293	Karnataka	Koppal	KARATAGI	Safe
2294	Karnataka	Koppal	KOPPAL	Safe
2295	Karnataka	Koppal	KUKANURU	Over-Exploited
2296	Karnataka	Koppal	KUSHTAGI	Safe
2297	Karnataka	Koppal	YELBARGA	Semi-Critical
2298	Karnataka	Mandya	KRISHNARAJPET	Safe
2299	Karnataka	Mandya	MADDUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2300	Karnataka	Mandya	MALAVALLI	Semi-Critical
2301	Karnataka	Mandya	MANDYA	Safe
2302	Karnataka	Mandya	NAGAMANGALA	Safe
2303	Karnataka	Mandya	PANDAVAPURA	Safe
2304	Karnataka	Mandya	SHRIRANGAPATTANA	Safe
2305	Karnataka	Mysuru	HEGGADADEVANKOTE	Safe
2306	Karnataka	Mysuru	HUNSUR	Safe
2307	Karnataka	Mysuru	KRISHNRAJANAGARA	Safe
2308	Karnataka	Mysuru	MYSURU	Semi-Critical
2309	Karnataka	Mysuru	NANJANGUD	Safe
2310	Karnataka	Mysuru	PRIYAPATNA	Safe
2311	Karnataka	Mysuru	SARAGURU	Safe
2312	Karnataka	Mysuru	TIRUMAKUDAL NARSIPUR	Safe
2313	Karnataka	Raichur	DEODRUG	Safe
2314	Karnataka	Raichur	LINGSUGUR	Safe
2315	Karnataka	Raichur	MANVI	Safe
2316	Karnataka	Raichur	MASKI	Safe
2317	Karnataka	Raichur	RAICHUR	Semi-Critical
2318	Karnataka	Raichur	SINDHNUR	Safe
2319	Karnataka	Raichur	SIRIVARA	Semi-Critical
2320	Karnataka	Ramanagaram	CHANNAPATANA	Semi-Critical
2321	Karnataka	Ramanagaram	KANAKAPURA	Critical
2322	Karnataka	Ramanagaram	MAGADI	Critical
2323	Karnataka	Ramanagaram	RANMANAGARA	Critical
2324	Karnataka	Shivamogga	BHADRAVATI	Safe
2325	Karnataka	Shivamogga	HOSANAGARA	Safe
2326	Karnataka	Shivamogga	SAGAR	Safe
2327	Karnataka	Shivamogga	SHIKARIPUR	Safe
2328	Karnataka	Shivamogga	SHIVAMOGGA	Safe
2329	Karnataka	Shivamogga	SORAB	Safe
2330	Karnataka	Shivamogga	TIRTHAHALLI	Safe
2331	Karnataka	Tumakuru	CHICKNAYAKANHALLI	Over-Exploited
2332	Karnataka	Tumakuru	GUBBI	Safe
2333	Karnataka	Tumakuru	KORATAGERE	Over-Exploited
2334	Karnataka	Tumakuru	KUNIGAL	Safe
2335	Karnataka	Tumakuru	MADHUGIRI	Over-Exploited
2336	Karnataka	Tumakuru	PAVAGADA	Semi-Critical
2337	Karnataka	Tumakuru	SIRA	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2338	Karnataka	Tumakuru	TIPTUR	Over-Exploited
2339	Karnataka	Tumakuru	TUMAKURU	Over-Exploited
2340	Karnataka	Tumakuru	TURUVEKERE	Safe
2341	Karnataka	Udupi	BRAMHAVARA	Safe
2342	Karnataka	Udupi	BYNDURU	Safe
2343	Karnataka	Udupi	HEBRI	Safe
2344	Karnataka	Udupi	KAPU	Safe
2345	Karnataka	Udupi	KARKAL	Safe
2346	Karnataka	Udupi	KUNDAPURA	Safe
2347	Karnataka	Udupi	UDUPI	Safe
2348	Karnataka	Uttar Kannada	ANKOLA	Safe
2349	Karnataka	Uttar Kannada	BHATKAL	Safe
2350	Karnataka	Uttar Kannada	DANDELLI	Safe
2351	Karnataka	Uttar Kannada	HALIYAL	Safe
2352	Karnataka	Uttar Kannada	HONAVAR	Safe
2353	Karnataka	Uttar Kannada	KARVAR	Safe
2354	Karnataka	Uttar Kannada	KUMTA	Safe
2355	Karnataka	Uttar Kannada	MUNDOG	Safe
2356	Karnataka	Uttar Kannada	SIDDAPUR	Safe
2357	Karnataka	Uttar Kannada	SIRSI	Safe
2358	Karnataka	Uttar Kannada	SUPA	Safe
2359	Karnataka	Uttar Kannada	YELLAPUR	Safe
2360	Karnataka	Vijayapura	BABALESHWARA	Safe
2361	Karnataka	Vijayapura	BASAVANA BAGEVADI	Semi-Critical
2362	Karnataka	Vijayapura	CHADACHANA	Critical
2363	Karnataka	Vijayapura	DEVARA HIPPARAGI	Safe
2364	Karnataka	Vijayapura	INDI	Safe
2365	Karnataka	Vijayapura	KOLHARA	Semi-Critical
2366	Karnataka	Vijayapura	MUDDEBIHAL	Safe
2367	Karnataka	Vijayapura	NIDAGUNDI	Semi-Critical
2368	Karnataka	Vijayapura	SINDGI	Safe
2369	Karnataka	Vijayapura	TALIKOTE	Safe
2370	Karnataka	Vijayapura	TIKOTA	Semi-Critical
2371	Karnataka	Vijayapura	VIJAYAPURA	Safe
2372	Karnataka	Yadgir	GURUMITHAKALA	Semi-Critical
2373	Karnataka	Yadgir	HUNISIGI	Safe
2374	Karnataka	Yadgir	SHAHPUR	Safe
2375	Karnataka	Yadgir	SHORAPUR	Safe
2376	Karnataka	Yadgir	VADAGERA	Safe
2377	Karnataka	Yadgir	YADGIR	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2378	Kerala	Alappuzha	AMBALAPPUZHA	Safe
2379	Kerala	Alappuzha	ARYAD	Safe
2380	Kerala	Alappuzha	BHARANIKKAVU	Safe
2381	Kerala	Alappuzha	CHAMPAKKULAM	Safe
2382	Kerala	Alappuzha	CHENGANNUR	Safe
2383	Kerala	Alappuzha	HARIPPAD	Safe
2384	Kerala	Alappuzha	KANJIKKUZHY	Safe
2385	Kerala	Alappuzha	MAVELIKKARA	Safe
2386	Kerala	Alappuzha	MUTHUKULAM	Safe
2387	Kerala	Alappuzha	PATTANAKKAD	Safe
2388	Kerala	Alappuzha	THYCATTUSSERY	Safe
2389	Kerala	Alappuzha	VELIYANAD	Safe
2390	Kerala	Ernakulam	ALANGAD	Safe
2391	Kerala	Ernakulam	ANGAMALY	Safe
2392	Kerala	Ernakulam	EDAPPALLY	Safe
2393	Kerala	Ernakulam	KOOVAPPADY	Safe
2394	Kerala	Ernakulam	KOTHAMANGALAM	Safe
2395	Kerala	Ernakulam	MOOVATTUPUZHA	Safe
2396	Kerala	Ernakulam	MULAMTHURUTHY	Safe
2397	Kerala	Ernakulam	PALLURUTHY	Safe
2398	Kerala	Ernakulam	PAMPAKKUDA	Safe
2399	Kerala	Ernakulam	PARAKKADAVU	Safe
2400	Kerala	Ernakulam	PARAVOOR	Safe
2401	Kerala	Ernakulam	VADAVUKODU	Safe
2402	Kerala	Ernakulam	VAZHAKKULAM	Safe
2403	Kerala	Ernakulam	VYPEEN	Safe
2404	Kerala	Idukki	ADIMALI	Safe
2405	Kerala	Idukki	AZHUTHA	Safe
2406	Kerala	Idukki	DEVIKULAM	Safe
2407	Kerala	Idukki	ELAM DESOM	Safe
2408	Kerala	Idukki	IDUKKI	Safe
2409	Kerala	Idukki	KATTAPPANA	Semi-Critical
2410	Kerala	Idukki	NEDUMKANDAM	Semi-Critical
2411	Kerala	Idukki	THODUPUZHA	Safe
2412	Kerala	Kannur	EDAKKAD	Safe
2413	Kerala	Kannur	IRIKKUR	Safe
2414	Kerala	Kannur	IRITTY	Safe
2415	Kerala	Kannur	KALLYASSERI	Safe
2416	Kerala	Kannur	KANNUR	Semi-Critical
2417	Kerala	Kannur	KUTHUPARAMBA	Safe
2418	Kerala	Kannur	PANUR	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2419	Kerala	Kannur	PAYYANNUR	Safe
2420	Kerala	Kannur	PERAVOOR	Safe
2421	Kerala	Kannur	TALIPARAMBA	Safe
2422	Kerala	Kannur	THALASSERY	Semi-Critical
2423	Kerala	Kasargod	KANHANGAD	Semi-Critical
2424	Kerala	Kasargod	KARADKA	Semi-Critical
2425	Kerala	Kasargod	KASARAGOD	Critical
2426	Kerala	Kasargod	MANJESWAR	Semi-Critical
2427	Kerala	Kasargod	NILESWARAM	Safe
2428	Kerala	Kasargod	PARAPPA	Safe
2429	Kerala	Kollam	ANCHAL	Safe
2430	Kerala	Kollam	CHADAYAMANGALAM	Safe
2431	Kerala	Kollam	CHAVARA	Safe
2432	Kerala	Kollam	CHITTUMALA	Safe
2433	Kerala	Kollam	ITHIKKARA	Safe
2434	Kerala	Kollam	KOTTARAKKARA	Safe
2435	Kerala	Kollam	MUKHATHALA	Semi-Critical
2436	Kerala	Kollam	OACHIRA	Safe
2437	Kerala	Kollam	PATHANAPURAM	Safe
2438	Kerala	Kollam	SASTHAMKOTTA	Safe
2439	Kerala	Kollam	VETTIKKAVALA	Safe
2440	Kerala	Kottayam	ERATTUPETTA	Safe
2441	Kerala	Kottayam	ETTUMANOOR	Safe
2442	Kerala	Kottayam	KADUTHURUTHY	Safe
2443	Kerala	Kottayam	KANJIRAPPALLY	Safe
2444	Kerala	Kottayam	LALAM	Safe
2445	Kerala	Kottayam	MADAPPALLY	Safe
2446	Kerala	Kottayam	PALLOM	Safe
2447	Kerala	Kottayam	PAMPADY	Safe
2448	Kerala	Kottayam	UZHAVOOR	Safe
2449	Kerala	Kottayam	VAIKOM	Safe
2450	Kerala	Kottayam	VAZHOOR	Safe
2451	Kerala	Kozhikode	BALLUSSERY	Semi-Critical
2452	Kerala	Kozhikode	CHELANNUR	Safe
2453	Kerala	Kozhikode	KODUVALLY	Safe
2454	Kerala	Kozhikode	KOZHICODE	Safe
2455	Kerala	Kozhikode	KUNNAMANGALAM	Semi-Critical
2456	Kerala	Kozhikode	KUNNUMMAL	Safe
2457	Kerala	Kozhikode	MELADY	Safe
2458	Kerala	Kozhikode	PANTHALAYANI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2459	Kerala	Kozhikode	PERAMBRA	Safe
2460	Kerala	Kozhikode	THODANNUR	Safe
2461	Kerala	Kozhikode	TUNERI	Safe
2462	Kerala	Kozhikode	VADAKARA	Safe
2463	Kerala	Malappuram	AREACODE	Safe
2464	Kerala	Malappuram	KALIKAVU	Safe
2465	Kerala	Malappuram	KONDOTTY	Semi-Critical
2466	Kerala	Malappuram	KUTTIPPURAM	Semi-Critical
2467	Kerala	Malappuram	MALAPPURAM	Semi-Critical
2468	Kerala	Malappuram	MANKADA	Semi-Critical
2469	Kerala	Malappuram	NILAMBOOR	Safe
2470	Kerala	Malappuram	PERINTHALMANNA	Safe
2471	Kerala	Malappuram	PERUMPADAPPU	Safe
2472	Kerala	Malappuram	PONNANI	Safe
2473	Kerala	Malappuram	THANUR	Semi-Critical
2474	Kerala	Malappuram	THRIURANGADI	Semi-Critical
2475	Kerala	Malappuram	TIRUR	Semi-Critical
2476	Kerala	Malappuram	VENGARA	Semi-Critical
2477	Kerala	Malappuram	WANDOOR	Safe
2478	Kerala	Palakkad	ALATHUR	Safe
2479	Kerala	Palakkad	ATTAPPADI	Safe
2480	Kerala	Palakkad	CHITTUR	Critical
2481	Kerala	Palakkad	KOLLENGODE	Safe
2482	Kerala	Palakkad	KUZHALLMANNAM	Safe
2483	Kerala	Palakkad	MALAMPUZHA	Critical
2484	Kerala	Palakkad	MANNARKKAD	Safe
2485	Kerala	Palakkad	NENMARA	Safe
2486	Kerala	Palakkad	OTTAPPALAM	Safe
2487	Kerala	Palakkad	PALAKKAD	Safe
2488	Kerala	Palakkad	PATTAMBI	Semi-Critical
2489	Kerala	Palakkad	SREEKRISHNAPURAM	Safe
2490	Kerala	Palakkad	THRITHALA	Semi-Critical
2491	Kerala	Pathanamthitta	ELANTHOOR	Safe
2492	Kerala	Pathanamthitta	KOIPURAM	Safe
2493	Kerala	Pathanamthitta	KONNI	Safe
2494	Kerala	Pathanamthitta	MALLAPPALLY	Safe
2495	Kerala	Pathanamthitta	PANDALAM	Safe
2496	Kerala	Pathanamthitta	PARAKODE	Safe
2497	Kerala	Pathanamthitta	PULIKEEZH	Safe
2498	Kerala	Pathanamthitta	RANNI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2499	Kerala	Thiruvananthapuram	ATHIYANNUR	Semi-Critical
2500	Kerala	Thiruvananthapuram	CHIRAYINKIL	Semi-Critical
2501	Kerala	Thiruvananthapuram	KILIMANOOR	Safe
2502	Kerala	Thiruvananthapuram	NEDUMANGAD	Semi-Critical
2503	Kerala	Thiruvananthapuram	NEMOM	Safe
2504	Kerala	Thiruvananthapuram	PARASSALA	Semi-Critical
2505	Kerala	Thiruvananthapuram	PERUMKADAVILA	Safe
2506	Kerala	Thiruvananthapuram	POTHENCODE	Semi-Critical
2507	Kerala	Thiruvananthapuram	VAMANAPURAM	Safe
2508	Kerala	Thiruvananthapuram	VARKALA	Safe
2509	Kerala	Thiruvananthapuram	VELLANAD	Safe
2510	Kerala	Thrissur	ANTHIKKAD	Safe
2511	Kerala	Thrissur	CHALAKKUDY	Safe
2512	Kerala	Thrissur	CHAVAKKAD	Safe
2513	Kerala	Thrissur	CHERPU	Safe
2514	Kerala	Thrissur	CHOWANNUR	Semi-Critical
2515	Kerala	Thrissur	IRINGALAKKUDA	Safe
2516	Kerala	Thrissur	KODAKARA	Safe
2517	Kerala	Thrissur	MALA	Safe
2518	Kerala	Thrissur	MATHILAKOM	Semi-Critical
2519	Kerala	Thrissur	MULLASSERY	Safe
2520	Kerala	Thrissur	OLLUKKARA	Safe
2521	Kerala	Thrissur	PAZHAYANNUR	Safe
2522	Kerala	Thrissur	PUZHAKKAL	Safe
2523	Kerala	Thrissur	THALIKKULAM	Semi-Critical
2524	Kerala	Thrissur	VADAKKANCHERRY	Safe
2525	Kerala	Thrissur	VELLANGALLUR	Safe
2526	Kerala	Wayanad	KALPETTA	Safe
2527	Kerala	Wayanad	MANANTHAVADY	Safe
2528	Kerala	Wayanad	PANAMARAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2529	Kerala	Wayanad	SULTHANBATHERY	Safe
2530	Ladakh	Kargil	KARGIL	Safe
2531	Ladakh	Leh	LEH	Safe
2532	Lakshdweep	Agatti	AGATTI	Safe
2533	Lakshdweep	Amini	AMINI	Semi-Critical
2534	Lakshdweep	Androth	ANDROTH	Safe
2535	Lakshdweep	Chetlat	CHETLAT	Safe
2536	Lakshdweep	Kadmat	KADMAT	Safe
2537	Lakshdweep	Kalpeni	KALPENI	Safe
2538	Lakshdweep	Kavaratti	KAVARATTI	Semi-Critical
2539	Lakshdweep	Kiltan	KILTAN	Safe
2540	Lakshdweep	Minicoy	MINICOY	Safe
2541	Madhya Pradesh	Agar Malwa	AGAR	Safe
2542	Madhya Pradesh	Agar Malwa	BAROD	Semi-Critical
2543	Madhya Pradesh	Agar Malwa	NALKHERA	Over-Exploited
2544	Madhya Pradesh	Agar Malwa	SUSNER	Over-Exploited
2545	Madhya Pradesh	Alirajpur	ALIRAJPUR	Safe
2546	Madhya Pradesh	Alirajpur	BHABRA	Safe
2547	Madhya Pradesh	Alirajpur	JOBAT	Safe
2548	Madhya Pradesh	Alirajpur	KATHIAWADA	Safe
2549	Madhya Pradesh	Alirajpur	SONDWA	Safe
2550	Madhya Pradesh	Alirajpur	UDAYGARH	Safe
2551	Madhya Pradesh	Anuppur	ANUPPUR	Safe
2552	Madhya Pradesh	Anuppur	JAITHARI	Safe
2553	Madhya Pradesh	Anuppur	KOTMA	Safe
2554	Madhya Pradesh	Anuppur	PUSPRAJGARH	Safe
2555	Madhya Pradesh	Ashoknagar	ASHOKNAGAR	Safe
2556	Madhya Pradesh	Ashoknagar	CHANDERI	Safe
2557	Madhya Pradesh	Ashoknagar	ISHAGARH	Semi-Critical
2558	Madhya Pradesh	Ashoknagar	MUNGAWALI	Safe
2559	Madhya Pradesh	Balaghat	BAIHER	Safe
2560	Madhya Pradesh	Balaghat	BALAGHAT	Safe
2561	Madhya Pradesh	Balaghat	BIRSA	Safe
2562	Madhya Pradesh	Balaghat	KATANGI	Safe
2563	Madhya Pradesh	Balaghat	KHAIRILANGI	Safe
2564	Madhya Pradesh	Balaghat	KIRNAPUR	Safe
2565	Madhya Pradesh	Balaghat	LALBURRA	Safe
2566	Madhya Pradesh	Balaghat	LANGI	Safe
2567	Madhya Pradesh	Balaghat	PARASWADA	Safe
2568	Madhya Pradesh	Balaghat	WARASEONI	Safe
2569	Madhya Pradesh	Barwani	BARWANI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2570	Madhya Pradesh	Barwani	NIWALI	Safe
2571	Madhya Pradesh	Barwani	PANSEMAL	Over-Exploited
2572	Madhya Pradesh	Barwani	PATI	Safe
2573	Madhya Pradesh	Barwani	RAJPUR	Semi-Critical
2574	Madhya Pradesh	Barwani	SENDHWA	Safe
2575	Madhya Pradesh	Barwani	THIKARI	Safe
2576	Madhya Pradesh	Betul	AMLA	Safe
2577	Madhya Pradesh	Betul	ATHNER	Safe
2578	Madhya Pradesh	Betul	BETUL	Semi-Critical
2579	Madhya Pradesh	Betul	BHAINSDEHI	Safe
2580	Madhya Pradesh	Betul	BHIMPUR	Safe
2581	Madhya Pradesh	Betul	CHINCHOLI	Safe
2582	Madhya Pradesh	Betul	GHORADONGRI	Safe
2583	Madhya Pradesh	Betul	MULTAI	Semi-Critical
2584	Madhya Pradesh	Betul	P. PATTAN	Safe
2585	Madhya Pradesh	Betul	SHAHPUR	Safe
2586	Madhya Pradesh	Bhind	ATER	Safe
2587	Madhya Pradesh	Bhind	BHIND	Safe
2588	Madhya Pradesh	Bhind	GOHAD	Safe
2589	Madhya Pradesh	Bhind	LAHAR	Safe
2590	Madhya Pradesh	Bhind	MEHGAON	Safe
2591	Madhya Pradesh	Bhind	RON	Safe
2592	Madhya Pradesh	Bhopal	BARASIA	Safe
2593	Madhya Pradesh	Bhopal	BHOPAL_URBAN	Semi-Critical
2594	Madhya Pradesh	Bhopal	PHANDA	Semi-Critical
2595	Madhya Pradesh	Burhanpur	BURHANPUR	Safe
2596	Madhya Pradesh	Burhanpur	KHAKNAR	Safe
2597	Madhya Pradesh	Chhatarpur	BADAMALHARA	Safe
2598	Madhya Pradesh	Chhatarpur	BIJAWAR	Semi-Critical
2599	Madhya Pradesh	Chhatarpur	BUXWAHA	Semi-Critical
2600	Madhya Pradesh	Chhatarpur	CHHATARPUR	Semi-Critical
2601	Madhya Pradesh	Chhatarpur	GOURIHAR	Safe
2602	Madhya Pradesh	Chhatarpur	LOUNDI	Safe
2603	Madhya Pradesh	Chhatarpur	NOWGAON	Semi-Critical
2604	Madhya Pradesh	Chhatarpur	RAJNAGAR	Safe
2605	Madhya Pradesh	Chhindwara	AMARWARA	Safe
2606	Madhya Pradesh	Chhindwara	BICHHUA	Safe
2607	Madhya Pradesh	Chhindwara	CHHINDWARA	Critical
2608	Madhya Pradesh	Chhindwara	CHOURAI	Safe
2609	Madhya Pradesh	Chhindwara	HARRAI	Safe
2610	Madhya Pradesh	Chhindwara	JAMAI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2611	Madhya Pradesh	Chhindwara	MOHKHED	Semi-Critical
2612	Madhya Pradesh	Chhindwara	PANDHURNA	Semi-Critical
2613	Madhya Pradesh	Chhindwara	PARASIA	Safe
2614	Madhya Pradesh	Chhindwara	SAUSAR	Safe
2615	Madhya Pradesh	Chhindwara	TAMIA	Safe
2616	Madhya Pradesh	Damoh	BATIYAGARH	Safe
2617	Madhya Pradesh	Damoh	DAMOH	Safe
2618	Madhya Pradesh	Damoh	HATTA	Safe
2619	Madhya Pradesh	Damoh	JABERA	Safe
2620	Madhya Pradesh	Damoh	PATERA	Safe
2621	Madhya Pradesh	Damoh	PATHERIYA	Semi-Critical
2622	Madhya Pradesh	Damoh	TENDUKHERA	Safe
2623	Madhya Pradesh	Datia	BHANDER	Safe
2624	Madhya Pradesh	Datia	DATIA	Safe
2625	Madhya Pradesh	Datia	SEONDHA	Safe
2626	Madhya Pradesh	Dewas	BAGLI	Safe
2627	Madhya Pradesh	Dewas	DEWAS	Over-Exploited
2628	Madhya Pradesh	Dewas	KANNOD	Safe
2629	Madhya Pradesh	Dewas	KHATEGAON	Semi-Critical
2630	Madhya Pradesh	Dewas	SONKUTCH	Over-Exploited
2631	Madhya Pradesh	Dewas	TONKKHURD	Safe
2632	Madhya Pradesh	Dhar	BADNAWAR	Over-Exploited
2633	Madhya Pradesh	Dhar	BAGH	Safe
2634	Madhya Pradesh	Dhar	DAHI	Safe
2635	Madhya Pradesh	Dhar	DHAR	Over-Exploited
2636	Madhya Pradesh	Dhar	DHARAMPURI	Safe
2637	Madhya Pradesh	Dhar	GANDHWANI	Safe
2638	Madhya Pradesh	Dhar	KUKSHI	Safe
2639	Madhya Pradesh	Dhar	MANAWAR	Safe
2640	Madhya Pradesh	Dhar	NALCHA	Over-Exploited
2641	Madhya Pradesh	Dhar	NISARPUR	Safe
2642	Madhya Pradesh	Dhar	SARDARPUR	Safe
2643	Madhya Pradesh	Dhar	TIRLA	Critical
2644	Madhya Pradesh	Dhar	UMRABAN	Safe
2645	Madhya Pradesh	Dindori	AMERPUR	Safe
2646	Madhya Pradesh	Dindori	BAJAG	Safe
2647	Madhya Pradesh	Dindori	DINDORI	Safe
2648	Madhya Pradesh	Dindori	KARANJIA	Safe
2649	Madhya Pradesh	Dindori	MAHDWANI	Safe
2650	Madhya Pradesh	Dindori	SAMNAPUR	Safe
2651	Madhya Pradesh	Dindori	SHAH PURA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2652	Madhya Pradesh	Guna	ARON	Safe
2653	Madhya Pradesh	Guna	BAMORI	Safe
2654	Madhya Pradesh	Guna	CHACHODA	Safe
2655	Madhya Pradesh	Guna	GUNA	Safe
2656	Madhya Pradesh	Guna	RAGHOGARH	Safe
2657	Madhya Pradesh	Gwalior	BHITARWAR	Safe
2658	Madhya Pradesh	Gwalior	DABRA	Safe
2659	Madhya Pradesh	Gwalior	GHATIGAON	Safe
2660	Madhya Pradesh	Gwalior	GWALIOR_URBAN	Semi-Critical
2661	Madhya Pradesh	Gwalior	MORAR	Safe
2662	Madhya Pradesh	Harda	HARDA	Safe
2663	Madhya Pradesh	Harda	KHIRKIYA	Safe
2664	Madhya Pradesh	Harda	TIMARNI	Safe
2665	Madhya Pradesh	Hoshangabad	BABAI	Safe
2666	Madhya Pradesh	Hoshangabad	BANKHEDI	Semi-Critical
2667	Madhya Pradesh	Hoshangabad	HOSHANGABAD	Safe
2668	Madhya Pradesh	Hoshangabad	KESLA	Safe
2669	Madhya Pradesh	Hoshangabad	PIPARIYA	Safe
2670	Madhya Pradesh	Hoshangabad	SEONI MALWA	Safe
2671	Madhya Pradesh	Hoshangabad	SOHAGPUR	Safe
2672	Madhya Pradesh	Indore	DEPALPUR	Over-Exploited
2673	Madhya Pradesh	Indore	INDORE	Over-Exploited
2674	Madhya Pradesh	Indore	INDORE_URBAN	Over-Exploited
2675	Madhya Pradesh	Indore	MHOW	Semi-Critical
2676	Madhya Pradesh	Indore	SANWER	Over-Exploited
2677	Madhya Pradesh	Jabalpur	BARGI	Safe
2678	Madhya Pradesh	Jabalpur	JABALPUR	Critical
2679	Madhya Pradesh	Jabalpur	KUNDAM	Safe
2680	Madhya Pradesh	Jabalpur	MAJHOLI	Safe
2681	Madhya Pradesh	Jabalpur	PANAGAR	Safe
2682	Madhya Pradesh	Jabalpur	PATAN	Safe
2683	Madhya Pradesh	Jabalpur	SHAH PURA	Safe
2684	Madhya Pradesh	Jabalpur	SIHORA	Safe
2685	Madhya Pradesh	Jhabua	JHABUA	Semi-Critical
2686	Madhya Pradesh	Jhabua	MEGHNAGAR	Safe
2687	Madhya Pradesh	Jhabua	PETLAWAD	Safe
2688	Madhya Pradesh	Jhabua	RAMA	Safe
2689	Madhya Pradesh	Jhabua	RANAPUR	Safe
2690	Madhya Pradesh	Jhabua	THANDLA	Safe
2691	Madhya Pradesh	Katni	BADWARA	Safe
2692	Madhya Pradesh	Katni	BOHARIBAND	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2693	Madhya Pradesh	Katni	DHIMARKHRDA	Safe
2694	Madhya Pradesh	Katni	MURWARA	Safe
2695	Madhya Pradesh	Katni	RITHI	Safe
2696	Madhya Pradesh	Katni	VIJAYRAGHOGARH	Safe
2697	Madhya Pradesh	Khandwa	BALDI	Safe
2698	Madhya Pradesh	Khandwa	CHHEGAON MAKHAN	Semi-Critical
2699	Madhya Pradesh	Khandwa	HARSUD	Safe
2700	Madhya Pradesh	Khandwa	KHALWA	Safe
2701	Madhya Pradesh	Khandwa	KHANDWA	Safe
2702	Madhya Pradesh	Khandwa	PANDHANA	Safe
2703	Madhya Pradesh	Khandwa	PUNASA	Safe
2704	Madhya Pradesh	Khargone	BARWAHA	Safe
2705	Madhya Pradesh	Khargone	BHAGWANPURA	Safe
2706	Madhya Pradesh	Khargone	BHIKANGAON	Safe
2707	Madhya Pradesh	Khargone	GOGAWAN	Safe
2708	Madhya Pradesh	Khargone	KASRAWAD	Safe
2709	Madhya Pradesh	Khargone	KHARGONE	Semi-Critical
2710	Madhya Pradesh	Khargone	MAHASHWAR	Safe
2711	Madhya Pradesh	Khargone	SEGAON	Safe
2712	Madhya Pradesh	Khargone	ZIRNIYA	Safe
2713	Madhya Pradesh	Mandla	BICHHIYA	Safe
2714	Madhya Pradesh	Mandla	BIJADNNDI	Safe
2715	Madhya Pradesh	Mandla	GHUGHRI	Safe
2716	Madhya Pradesh	Mandla	MANDLA	Safe
2717	Madhya Pradesh	Mandla	MAWAI	Safe
2718	Madhya Pradesh	Mandla	MOHGAON	Safe
2719	Madhya Pradesh	Mandla	NAINPUR	Safe
2720	Madhya Pradesh	Mandla	NARAYANGANJ	Safe
2721	Madhya Pradesh	Mandla	NIWAS	Safe
2722	Madhya Pradesh	Mandsaur	BHANPURA	Critical
2723	Madhya Pradesh	Mandsaur	GAROTH	Semi-Critical
2724	Madhya Pradesh	Mandsaur	MALAHARGARH	Critical
2725	Madhya Pradesh	Mandsaur	MANDSAUR	Over-Exploited
2726	Madhya Pradesh	Mandsaur	SITAMAU	Over-Exploited
2727	Madhya Pradesh	Morena	AMBAH	Safe
2728	Madhya Pradesh	Morena	JOURA	Safe
2729	Madhya Pradesh	Morena	KAILARAS	Safe
2730	Madhya Pradesh	Morena	MORENA	Safe
2731	Madhya Pradesh	Morena	PAHADGARH	Safe
2732	Madhya Pradesh	Morena	PORSA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2733	Madhya Pradesh	Morena	SABALGARH	Safe
2734	Madhya Pradesh	Narsinghpur	CHANWARPATHA	Safe
2735	Madhya Pradesh	Narsinghpur	CHICHLI	Safe
2736	Madhya Pradesh	Narsinghpur	GOTEGAON	Safe
2737	Madhya Pradesh	Narsinghpur	KARELI	Safe
2738	Madhya Pradesh	Narsinghpur	NARSINGHPUR	Semi-Critical
2739	Madhya Pradesh	Narsinghpur	SAIKHEDA	Safe
2740	Madhya Pradesh	Neemuch	JAWAD	Over-Exploited
2741	Madhya Pradesh	Neemuch	MANASA	Semi-Critical
2742	Madhya Pradesh	Neemuch	NEEMUCH	Over-Exploited
2743	Madhya Pradesh	Panna	AJAYGARH	Safe
2744	Madhya Pradesh	Panna	GONOUR	Safe
2745	Madhya Pradesh	Panna	PANNA	Safe
2746	Madhya Pradesh	Panna	PAWAI	Safe
2747	Madhya Pradesh	Panna	SHAHNAGAR	Safe
2748	Madhya Pradesh	Raisen	BADI	Safe
2749	Madhya Pradesh	Raisen	BEGAM GANJ	Safe
2750	Madhya Pradesh	Raisen	GAIRATGANJ	Safe
2751	Madhya Pradesh	Raisen	OBEDULLAGANJ	Semi-Critical
2752	Madhya Pradesh	Raisen	SANCHI	Safe
2753	Madhya Pradesh	Raisen	SILWANI	Safe
2754	Madhya Pradesh	Raisen	UDAIPURA	Safe
2755	Madhya Pradesh	Rajgarh	BIORA	Semi-Critical
2756	Madhya Pradesh	Rajgarh	KHILCHIPUR	Semi-Critical
2757	Madhya Pradesh	Rajgarh	NARSINGH GARH	Critical
2758	Madhya Pradesh	Rajgarh	RAJGARH	Safe
2759	Madhya Pradesh	Rajgarh	SARANGPUR	Critical
2760	Madhya Pradesh	Rajgarh	ZEERAPUR	Semi-Critical
2761	Madhya Pradesh	Ratlam	ALOTE	Over-Exploited
2762	Madhya Pradesh	Ratlam	BAJNA	Semi-Critical
2763	Madhya Pradesh	Ratlam	JAORA	Over-Exploited
2764	Madhya Pradesh	Ratlam	PIPLODA	Over-Exploited
2765	Madhya Pradesh	Ratlam	RATLAM	Over-Exploited
2766	Madhya Pradesh	Ratlam	SAILANA	Semi-Critical
2767	Madhya Pradesh	Rewa	GANGAO	Safe
2768	Madhya Pradesh	Rewa	HANUMANNA	Safe
2769	Madhya Pradesh	Rewa	JAWA	Safe
2770	Madhya Pradesh	Rewa	MAUGANJ	Semi-Critical
2771	Madhya Pradesh	Rewa	NAIGARHI	Safe
2772	Madhya Pradesh	Rewa	RAMPUR KARCHULIYAN	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2773	Madhya Pradesh	Rewa	REWA	Safe
2774	Madhya Pradesh	Rewa	SIRMOUR	Safe
2775	Madhya Pradesh	Rewa	TEONTNAR	Safe
2776	Madhya Pradesh	Sagar	BANDA	Safe
2777	Madhya Pradesh	Sagar	BINA	Safe
2778	Madhya Pradesh	Sagar	DEORI	Safe
2779	Madhya Pradesh	Sagar	JAISINAGAR	Safe
2780	Madhya Pradesh	Sagar	KESLI	Safe
2781	Madhya Pradesh	Sagar	KHURAI	Safe
2782	Madhya Pradesh	Sagar	MALTHONE	Safe
2783	Madhya Pradesh	Sagar	RAHATGARH	Safe
2784	Madhya Pradesh	Sagar	REHLI	Safe
2785	Madhya Pradesh	Sagar	SAGAR	Safe
2786	Madhya Pradesh	Sagar	SHAHGARH	Safe
2787	Madhya Pradesh	Satna	AMARPATAN	Safe
2788	Madhya Pradesh	Satna	MAIHAR	Semi-Critical
2789	Madhya Pradesh	Satna	MAJHGAWAN	Safe
2790	Madhya Pradesh	Satna	NAGOD	Safe
2791	Madhya Pradesh	Satna	RAMNAGAR	Safe
2792	Madhya Pradesh	Satna	RAMPUR BAGHALAN	Semi-Critical
2793	Madhya Pradesh	Satna	SOHAWAL	Semi-Critical
2794	Madhya Pradesh	Satna	UNCHEHRA	Safe
2795	Madhya Pradesh	Sehore	ASHTA	Critical
2796	Madhya Pradesh	Sehore	BUDHNI	Safe
2797	Madhya Pradesh	Sehore	ICHAWAR	Safe
2798	Madhya Pradesh	Sehore	NASRULLA GANJ	Safe
2799	Madhya Pradesh	Sehore	SEHORE	Safe
2800	Madhya Pradesh	Seoni	BARGHAT	Safe
2801	Madhya Pradesh	Seoni	CHHAPARA	Safe
2802	Madhya Pradesh	Seoni	DHANORA	Safe
2803	Madhya Pradesh	Seoni	GHANSORE	Safe
2804	Madhya Pradesh	Seoni	KEOLARI	Safe
2805	Madhya Pradesh	Seoni	KURAI	Safe
2806	Madhya Pradesh	Seoni	LAKHNADON	Safe
2807	Madhya Pradesh	Seoni	SEONI	Safe
2808	Madhya Pradesh	Shahdol	BEOHARI	Safe
2809	Madhya Pradesh	Shahdol	BURHAR	Safe
2810	Madhya Pradesh	Shahdol	GOPARU	Safe
2811	Madhya Pradesh	Shahdol	JAISINGHNAGAR	Safe
2812	Madhya Pradesh	Shahdol	SOHAGPUR	Safe
2813	Madhya Pradesh	Shajapur	KALAPIPAL	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2814	Madhya Pradesh	Shajapur	MOHAN BERODIA	Over-Exploited
2815	Madhya Pradesh	Shajapur	SHAJAPUR	Semi-Critical
2816	Madhya Pradesh	Shajapur	SHUJALPUR	Over-Exploited
2817	Madhya Pradesh	Sheopur	KARHAL	Safe
2818	Madhya Pradesh	Sheopur	SHEOPUR	Safe
2819	Madhya Pradesh	Sheopur	VIJAYPUR	Safe
2820	Madhya Pradesh	Shivpuri	BADARWAS	Semi-Critical
2821	Madhya Pradesh	Shivpuri	KARERA	Safe
2822	Madhya Pradesh	Shivpuri	KHANNIYADHANA	Semi-Critical
2823	Madhya Pradesh	Shivpuri	KOLARAS	Semi-Critical
2824	Madhya Pradesh	Shivpuri	NARWAR	Semi-Critical
2825	Madhya Pradesh	Shivpuri	PICHOR	Semi-Critical
2826	Madhya Pradesh	Shivpuri	POHRI	Safe
2827	Madhya Pradesh	Shivpuri	SHIVPURI	Safe
2828	Madhya Pradesh	Sidhi	KUSMI	Safe
2829	Madhya Pradesh	Sidhi	MAHJHOLI	Safe
2830	Madhya Pradesh	Sidhi	RAMPUR NAIKIN	Safe
2831	Madhya Pradesh	Sidhi	SIDHI	Safe
2832	Madhya Pradesh	Sidhi	SIHAWAL	Safe
2833	Madhya Pradesh	Singrauli	CHITRANGI	Safe
2834	Madhya Pradesh	Singrauli	DEOSAR	Safe
2835	Madhya Pradesh	Singrauli	WAIDHAN	Safe
2836	Madhya Pradesh	Tikamgarh	BALDEOGARH	Semi-Critical
2837	Madhya Pradesh	Tikamgarh	JATARA	Semi-Critical
2838	Madhya Pradesh	Tikamgarh	NIWARI	Semi-Critical
2839	Madhya Pradesh	Tikamgarh	PALERA	Semi-Critical
2840	Madhya Pradesh	Tikamgarh	PRATHIVIPUR	Safe
2841	Madhya Pradesh	Tikamgarh	TIKAMGARH	Semi-Critical
2842	Madhya Pradesh	Ujjain	BADNAGAR	Over-Exploited
2843	Madhya Pradesh	Ujjain	GHATIA	Over-Exploited
2844	Madhya Pradesh	Ujjain	KACHROD	Semi-Critical
2845	Madhya Pradesh	Ujjain	MAHIDPUR	Semi-Critical
2846	Madhya Pradesh	Ujjain	TARANA	Semi-Critical
2847	Madhya Pradesh	Ujjain	UJJAIN	Over-Exploited
2848	Madhya Pradesh	Umari	KARKELI	Safe
2849	Madhya Pradesh	Umari	MANPUR	Safe
2850	Madhya Pradesh	Umari	PALI	Safe
2851	Madhya Pradesh	Vidisha	BASODA	Safe
2852	Madhya Pradesh	Vidisha	GYRASPUR	Semi-Critical
2853	Madhya Pradesh	Vidisha	KURWAI	Semi-Critical
2854	Madhya Pradesh	Vidisha	LATERI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2855	Madhya Pradesh	Vidisha	NATERAN	Safe
2856	Madhya Pradesh	Vidisha	SIRONJ	Safe
2857	Madhya Pradesh	Vidisha	VIDISHA	Safe
2858	Maharashtra	Ahmednagar	AKOLA	Semi-Critical
2859	Maharashtra	Ahmednagar	JAMKHED	Safe
2860	Maharashtra	Ahmednagar	KARJAT	Safe
2861	Maharashtra	Ahmednagar	KOPARGAON	Critical
2862	Maharashtra	Ahmednagar	NAGAR	Safe
2863	Maharashtra	Ahmednagar	NEWASA	Semi-Critical
2864	Maharashtra	Ahmednagar	PARNER	Safe
2865	Maharashtra	Ahmednagar	PATHARDI	Semi-Critical
2866	Maharashtra	Ahmednagar	RAHURI	Critical
2867	Maharashtra	Ahmednagar	RHATA	Over-Exploited
2868	Maharashtra	Ahmednagar	SANGAMNER	Critical
2869	Maharashtra	Ahmednagar	SHEVGAON	Semi-Critical
2870	Maharashtra	Ahmednagar	SHRIGONDA	Semi-Critical
2871	Maharashtra	Ahmednagar	SHRIRAMPUR	Critical
2872	Maharashtra	Akola	AKOLA	Safe
2873	Maharashtra	Akola	AKOT	Safe
2874	Maharashtra	Akola	BALAPUR	Safe
2875	Maharashtra	Akola	BARSI TAKLI	Semi-Critical
2876	Maharashtra	Akola	MURTIZAPUR	Safe
2877	Maharashtra	Akola	PATUR	Safe
2878	Maharashtra	Akola	TELHARA	Safe
2879	Maharashtra	Amravati	ACHLAPUR	Over-Exploited
2880	Maharashtra	Amravati	AMRAVATI	Semi-Critical
2881	Maharashtra	Amravati	ANJANGAON SURJI	Safe
2882	Maharashtra	Amravati	BHATKULI	Safe
2883	Maharashtra	Amravati	CHANDUR BAZAR	Over-Exploited
2884	Maharashtra	Amravati	CHANDUR RAILWAY	Safe
2885	Maharashtra	Amravati	CHIKHALDARA	Safe
2886	Maharashtra	Amravati	DARYAPUR	Saline
2887	Maharashtra	Amravati	DHAMANGAON RAILWAY	Semi-Critical
2888	Maharashtra	Amravati	DHARNI	Safe
2889	Maharashtra	Amravati	MORSHI	Over-Exploited
2890	Maharashtra	Amravati	NANDGAON	Semi-Critical
2891	Maharashtra	Amravati	TIWSA	Safe
2892	Maharashtra	Amravati	WARUD	Over-Exploited
2893	Maharashtra	Aurangabad	AURANGABAD	Semi-Critical
2894	Maharashtra	Aurangabad	FULAMBRE	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2895	Maharashtra	Aurangabad	GANGAPUR	Semi-Critical
2896	Maharashtra	Aurangabad	KANNAD	Safe
2897	Maharashtra	Aurangabad	KHULDABAD	Semi-Critical
2898	Maharashtra	Aurangabad	PAITHAN	Semi-Critical
2899	Maharashtra	Aurangabad	SILLOD	Semi-Critical
2900	Maharashtra	Aurangabad	SOYEGAON	Safe
2901	Maharashtra	Aurangabad	VAIJAPUR	Semi-Critical
2902	Maharashtra	Beed	AMBEJOGAI	Safe
2903	Maharashtra	Beed	ASHTI	Safe
2904	Maharashtra	Beed	BEED	Safe
2905	Maharashtra	Beed	DHARUR	Safe
2906	Maharashtra	Beed	GEVRAI	Safe
2907	Maharashtra	Beed	KAIJ	Safe
2908	Maharashtra	Beed	MAJALGAON	Safe
2909	Maharashtra	Beed	PARLI	Safe
2910	Maharashtra	Beed	PATODA	Safe
2911	Maharashtra	Beed	SHIRUR KA	Safe
2912	Maharashtra	Beed	WADVANI	Safe
2913	Maharashtra	Bhandara	BHANDARA	Safe
2914	Maharashtra	Bhandara	LAKHANDUR	Safe
2915	Maharashtra	Bhandara	LAKHANI	Safe
2916	Maharashtra	Bhandara	MOHADI	Safe
2917	Maharashtra	Bhandara	PAUNI	Safe
2918	Maharashtra	Bhandara	SAKOLI	Safe
2919	Maharashtra	Bhandara	TUMSAR	Safe
2920	Maharashtra	Buldhana	BULDHANA	Semi-Critical
2921	Maharashtra	Buldhana	CHIKHALI	Semi-Critical
2922	Maharashtra	Buldhana	DEULGAON RAJA	Semi-Critical
2923	Maharashtra	Buldhana	JALGAON	Over-Exploited
2924	Maharashtra	Buldhana	KHAMGAON	Semi-Critical
2925	Maharashtra	Buldhana	LONAR	Semi-Critical
2926	Maharashtra	Buldhana	MALAKAPUR	Semi-Critical
2927	Maharashtra	Buldhana	MEHKAR	Safe
2928	Maharashtra	Buldhana	MOTALA	Semi-Critical
2929	Maharashtra	Buldhana	NANDURA	Semi-Critical
2930	Maharashtra	Buldhana	SANGRAPUR	Over-Exploited
2931	Maharashtra	Buldhana	SHEGAON	Safe
2932	Maharashtra	Buldhana	SINDKHEDRAJA	Semi-Critical
2933	Maharashtra	Chandrapur	BALLARPUR	Safe
2934	Maharashtra	Chandrapur	BHADRAVATI	Safe
2935	Maharashtra	Chandrapur	BRAHMAPURI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2936	Maharashtra	Chandrapur	CHANDRAPUR	Safe
2937	Maharashtra	Chandrapur	CHIMMUR	Safe
2938	Maharashtra	Chandrapur	GONDPIPRI	Safe
2939	Maharashtra	Chandrapur	JIWATI	Safe
2940	Maharashtra	Chandrapur	KORPANA	Safe
2941	Maharashtra	Chandrapur	MUL	Safe
2942	Maharashtra	Chandrapur	NAGBHIND	Safe
2943	Maharashtra	Chandrapur	POBHURNA	Safe
2944	Maharashtra	Chandrapur	RAJURA	Safe
2945	Maharashtra	Chandrapur	SAWALI	Safe
2946	Maharashtra	Chandrapur	SINDEWALI	Safe
2947	Maharashtra	Chandrapur	WARORA	Safe
2948	Maharashtra	Dhule	DHULE	Safe
2949	Maharashtra	Dhule	SAKRI	Safe
2950	Maharashtra	Dhule	SHIRPUR	Safe
2951	Maharashtra	Dhule	SINDKHEDA	Safe
2952	Maharashtra	Gadchiroli	AHERI	Safe
2953	Maharashtra	Gadchiroli	ARMORI	Safe
2954	Maharashtra	Gadchiroli	BHAMRAGAD	Safe
2955	Maharashtra	Gadchiroli	CHAMORSHI	Safe
2956	Maharashtra	Gadchiroli	DHANORA	Safe
2957	Maharashtra	Gadchiroli	ETAPALLI	Safe
2958	Maharashtra	Gadchiroli	GADCHIROLI	Safe
2959	Maharashtra	Gadchiroli	KORCHI	Safe
2960	Maharashtra	Gadchiroli	KURKHEDA	Safe
2961	Maharashtra	Gadchiroli	MULCHERA	Safe
2962	Maharashtra	Gadchiroli	SORONCHA	Safe
2963	Maharashtra	Gadchiroli	WADSA	Safe
2964	Maharashtra	Gondia	AMGAON	Safe
2965	Maharashtra	Gondia	ARJUNI MOREGAON	Safe
2966	Maharashtra	Gondia	DEORI	Safe
2967	Maharashtra	Gondia	GONDIA	Safe
2968	Maharashtra	Gondia	GOREGAON	Safe
2969	Maharashtra	Gondia	SADAK ARJUNI	Safe
2970	Maharashtra	Gondia	SALEKASA	Safe
2971	Maharashtra	Gondia	TIRORA	Safe
2972	Maharashtra	Hingoli	AUNDHA	Safe
2973	Maharashtra	Hingoli	BASMATH	Safe
2974	Maharashtra	Hingoli	HINGOLI	Safe
2975	Maharashtra	Hingoli	KALMNURI	Safe
2976	Maharashtra	Hingoli	SENGAON	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
2977	Maharashtra	Jalgaon	AMALNER	Semi-Critical
2978	Maharashtra	Jalgaon	BHADGAON	Semi-Critical
2979	Maharashtra	Jalgaon	BHUSAWAL	Semi-Critical
2980	Maharashtra	Jalgaon	BODWAD	Semi-Critical
2981	Maharashtra	Jalgaon	CHALISGAON	Semi-Critical
2982	Maharashtra	Jalgaon	CHOPDA	Semi-Critical
2983	Maharashtra	Jalgaon	DHARANGAON	Safe
2984	Maharashtra	Jalgaon	ERANDOL	Safe
2985	Maharashtra	Jalgaon	JALGAON	Safe
2986	Maharashtra	Jalgaon	JAMNER	Semi-Critical
2987	Maharashtra	Jalgaon	MUKTAINAGAR	Safe
2988	Maharashtra	Jalgaon	PACHORA	Semi-Critical
2989	Maharashtra	Jalgaon	PAROLA	Semi-Critical
2990	Maharashtra	Jalgaon	RAVER	Over-Exploited
2991	Maharashtra	Jalgaon	YAWAL	Over-Exploited
2992	Maharashtra	Jalna	AMBAD	Safe
2993	Maharashtra	Jalna	BADNAPUR	Safe
2994	Maharashtra	Jalna	BHOKARDAN	Safe
2995	Maharashtra	Jalna	GHAT SAWANGI	Safe
2996	Maharashtra	Jalna	JAFRABAD	Safe
2997	Maharashtra	Jalna	JALNA	Safe
2998	Maharashtra	Jalna	MANTHA	Safe
2999	Maharashtra	Jalna	PARTUR	Safe
3000	Maharashtra	Kolhapur	AJARA	Safe
3001	Maharashtra	Kolhapur	BHUDARGAD	Safe
3002	Maharashtra	Kolhapur	CHANDGAD	Safe
3003	Maharashtra	Kolhapur	GADHINGLAJ	Safe
3004	Maharashtra	Kolhapur	GAGANBAWADA	Safe
3005	Maharashtra	Kolhapur	HATKANANGALE	Safe
3006	Maharashtra	Kolhapur	KAGAL	Safe
3007	Maharashtra	Kolhapur	KARVIR	Safe
3008	Maharashtra	Kolhapur	PANHALA	Safe
3009	Maharashtra	Kolhapur	RADHANAGARI	Safe
3010	Maharashtra	Kolhapur	SHAHUWADI	Safe
3011	Maharashtra	Kolhapur	SHIROL	Safe
3012	Maharashtra	Latur	AHMEDPUR	Safe
3013	Maharashtra	Latur	ANANTPAL SH	Safe
3014	Maharashtra	Latur	AUSA	Safe
3015	Maharashtra	Latur	CHAKUR	Safe
3016	Maharashtra	Latur	DEVANI	Safe
3017	Maharashtra	Latur	JALKOT	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3018	Maharashtra	Latur	LATUR	Semi-Critical
3019	Maharashtra	Latur	NILANGA	Safe
3020	Maharashtra	Latur	RENAPUR	Safe
3021	Maharashtra	Latur	UDGIR	Safe
3022	Maharashtra	Nagpur	BHIWAPUR	Safe
3023	Maharashtra	Nagpur	HINGANA	Safe
3024	Maharashtra	Nagpur	KALAMESHWAR	Safe
3025	Maharashtra	Nagpur	KAMTEE	Safe
3026	Maharashtra	Nagpur	KATOL	Semi-Critical
3027	Maharashtra	Nagpur	KUHI	Safe
3028	Maharashtra	Nagpur	MOUDA	Safe
3029	Maharashtra	Nagpur	NAGPUR	Safe
3030	Maharashtra	Nagpur	NARKHED	Safe
3031	Maharashtra	Nagpur	PARSHIONI	Safe
3032	Maharashtra	Nagpur	RAMTEK	Safe
3033	Maharashtra	Nagpur	SAONER	Semi-Critical
3034	Maharashtra	Nagpur	UMRED	Safe
3035	Maharashtra	Nanded	ARDHAPUR	Safe
3036	Maharashtra	Nanded	BHOKAR	Safe
3037	Maharashtra	Nanded	BILOLI	Safe
3038	Maharashtra	Nanded	DEGLOOR	Safe
3039	Maharashtra	Nanded	DHARMABAD	Safe
3040	Maharashtra	Nanded	HADGAON	Safe
3041	Maharashtra	Nanded	HIMATAYTNAHAR	Safe
3042	Maharashtra	Nanded	KANDHAR	Safe
3043	Maharashtra	Nanded	KINWAT	Safe
3044	Maharashtra	Nanded	LOHA	Safe
3045	Maharashtra	Nanded	MAHUR	Safe
3046	Maharashtra	Nanded	MUDKHED	Safe
3047	Maharashtra	Nanded	MUKHED	Safe
3048	Maharashtra	Nanded	NAIGAON	Safe
3049	Maharashtra	Nanded	NANDED	Safe
3050	Maharashtra	Nanded	UMARI	Safe
3051	Maharashtra	Nandurbar	AKKALKUVA	Safe
3052	Maharashtra	Nandurbar	AKRANI	Safe
3053	Maharashtra	Nandurbar	NANDURBAR	Safe
3054	Maharashtra	Nandurbar	NAWAPUR	Safe
3055	Maharashtra	Nandurbar	SHAHADA	Safe
3056	Maharashtra	Nandurbar	TALODA	Safe
3057	Maharashtra	Nashik	BAGLAN SATANA	Semi-Critical
3058	Maharashtra	Nashik	CHANDWAD	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3059	Maharashtra	Nashik	DEOLA	Critical
3060	Maharashtra	Nashik	DINDORI	Safe
3061	Maharashtra	Nashik	IGATPURI	Safe
3062	Maharashtra	Nashik	KALWAN	Safe
3063	Maharashtra	Nashik	MALEGAON	Safe
3064	Maharashtra	Nashik	NANDGAON	Safe
3065	Maharashtra	Nashik	NASIK	Safe
3066	Maharashtra	Nashik	NIPHAD	Critical
3067	Maharashtra	Nashik	PETH	Safe
3068	Maharashtra	Nashik	SINNAR	Critical
3069	Maharashtra	Nashik	SURGANA	Safe
3070	Maharashtra	Nashik	TRAMBAKESHWAR	Safe
3071	Maharashtra	Nashik	YEOLA	Semi-Critical
3072	Maharashtra	Osmanabad	BHOOM	Safe
3073	Maharashtra	Osmanabad	KALAMB	Semi-Critical
3074	Maharashtra	Osmanabad	LOHARA	Safe
3075	Maharashtra	Osmanabad	OMERGA	Safe
3076	Maharashtra	Osmanabad	OSMANABAD	Semi-Critical
3077	Maharashtra	Osmanabad	PARANDA	Safe
3078	Maharashtra	Osmanabad	TULJAPUR	Safe
3079	Maharashtra	Osmanabad	WASHI	Safe
3080	Maharashtra	Palghar	DAHANU	Safe
3081	Maharashtra	Palghar	JAWHAR	Safe
3082	Maharashtra	Palghar	MOKHADA	Safe
3083	Maharashtra	Palghar	PALGHAR	Safe
3084	Maharashtra	Palghar	TALASARI	Safe
3085	Maharashtra	Palghar	VASAI	Safe
3086	Maharashtra	Palghar	VIKRAMGAD	Safe
3087	Maharashtra	Palghar	WADA	Safe
3088	Maharashtra	Parbhani	GANGAKHED	Safe
3089	Maharashtra	Parbhani	JINTUR	Safe
3090	Maharashtra	Parbhani	MANWAT	Safe
3091	Maharashtra	Parbhani	PALAM	Safe
3092	Maharashtra	Parbhani	PARBHANI	Safe
3093	Maharashtra	Parbhani	PATHARI	Safe
3094	Maharashtra	Parbhani	PURNA	Safe
3095	Maharashtra	Parbhani	SELU	Safe
3096	Maharashtra	Parbhani	SONPEPTH	Safe
3097	Maharashtra	Pune	AMBEGAON	Semi-Critical
3098	Maharashtra	Pune	BARAMATI	Semi-Critical
3099	Maharashtra	Pune	BHOR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3100	Maharashtra	Pune	DAUND	Semi-Critical
3101	Maharashtra	Pune	HAVELI	Safe
3102	Maharashtra	Pune	INDAPUR	Semi-Critical
3103	Maharashtra	Pune	JUNNAR	Semi-Critical
3104	Maharashtra	Pune	KHED	Semi-Critical
3105	Maharashtra	Pune	MAVAL	Safe
3106	Maharashtra	Pune	MULSHI	Safe
3107	Maharashtra	Pune	PURANDHAR	Semi-Critical
3108	Maharashtra	Pune	SHIRUR	Critical
3109	Maharashtra	Pune	VELHE	Safe
3110	Maharashtra	Raigad	ALIBAG	Safe
3111	Maharashtra	Raigad	KARJAT	Safe
3112	Maharashtra	Raigad	KHALAPUR	Safe
3113	Maharashtra	Raigad	MAHAD	Safe
3114	Maharashtra	Raigad	MANGAON	Safe
3115	Maharashtra	Raigad	MHASALA	Safe
3116	Maharashtra	Raigad	MURUD	Safe
3117	Maharashtra	Raigad	PANVEL	Safe
3118	Maharashtra	Raigad	PEN	Safe
3119	Maharashtra	Raigad	POLADPUR	Safe
3120	Maharashtra	Raigad	ROHA	Safe
3121	Maharashtra	Raigad	SHRIWARDHAN	Safe
3122	Maharashtra	Raigad	SUDHAGAD	Safe
3123	Maharashtra	Raigad	TALA	Safe
3124	Maharashtra	Raigad	URAN	Safe
3125	Maharashtra	Ratnagiri	CH IPLUN	Safe
3126	Maharashtra	Ratnagiri	DAPOLI	Safe
3127	Maharashtra	Ratnagiri	GUHAGAR	Safe
3128	Maharashtra	Ratnagiri	KHED	Safe
3129	Maharashtra	Ratnagiri	LANJA	Safe
3130	Maharashtra	Ratnagiri	MANDANGAD	Safe
3131	Maharashtra	Ratnagiri	RAJAPUR	Safe
3132	Maharashtra	Ratnagiri	RATNAGIRI	Safe
3133	Maharashtra	Ratnagiri	SANGAMESHWAR	Safe
3134	Maharashtra	Sangli	ATPADI	Safe
3135	Maharashtra	Sangli	JAT	Safe
3136	Maharashtra	Sangli	KADEGAON	Safe
3137	Maharashtra	Sangli	KAVATHE MAHANKAL	Semi-Critical
3138	Maharashtra	Sangli	KHANAPUR	Safe
3139	Maharashtra	Sangli	MIRAJ	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3140	Maharashtra	Sangli	PALUS	Safe
3141	Maharashtra	Sangli	SHIRALA	Safe
3142	Maharashtra	Sangli	TASGAON	Safe
3143	Maharashtra	Sangli	WALWA	Safe
3144	Maharashtra	Satara	JAOLI	Safe
3145	Maharashtra	Satara	KARAD	Safe
3146	Maharashtra	Satara	KHANDALA	Safe
3147	Maharashtra	Satara	KHATAV	Semi-Critical
3148	Maharashtra	Satara	KOREGAON	Safe
3149	Maharashtra	Satara	MAHABALESHWAR	Safe
3150	Maharashtra	Satara	MAN	Semi-Critical
3151	Maharashtra	Satara	PATAN	Semi-Critical
3152	Maharashtra	Satara	PHALTAN	Semi-Critical
3153	Maharashtra	Satara	SATARA	Safe
3154	Maharashtra	Satara	WAI	Semi-Critical
3155	Maharashtra	Sindhudurg	DEVGAD	Safe
3156	Maharashtra	Sindhudurg	DOUDAMARG	Safe
3157	Maharashtra	Sindhudurg	KANKAVALI	Safe
3158	Maharashtra	Sindhudurg	KUDAL	Safe
3159	Maharashtra	Sindhudurg	MALWAN	Safe
3160	Maharashtra	Sindhudurg	SAWANTWADI	Safe
3161	Maharashtra	Sindhudurg	VAIBHAVWADI	Safe
3162	Maharashtra	Sindhudurg	VENGURLA	Safe
3163	Maharashtra	Solapur	AKKALKOT	Safe
3164	Maharashtra	Solapur	BARSHI	Semi-Critical
3165	Maharashtra	Solapur	KARMALA	Semi-Critical
3166	Maharashtra	Solapur	MADHA	Semi-Critical
3167	Maharashtra	Solapur	MALSHIRAS	Over-Exploited
3168	Maharashtra	Solapur	MANGALWEDHA	Semi-Critical
3169	Maharashtra	Solapur	MOHOL	Semi-Critical
3170	Maharashtra	Solapur	N.SOLAPUR	Safe
3171	Maharashtra	Solapur	PANDHARPUR	Semi-Critical
3172	Maharashtra	Solapur	S.SOLAPUR	Safe
3173	Maharashtra	Solapur	SANGOLA	Semi-Critical
3174	Maharashtra	Thane	AMBARNATH	Safe
3175	Maharashtra	Thane	BHIVANDI	Safe
3176	Maharashtra	Thane	KALYAN	Safe
3177	Maharashtra	Thane	MURBAD	Safe
3178	Maharashtra	Thane	SHAHAPUR	Safe
3179	Maharashtra	Thane	THANE	Safe
3180	Maharashtra	Thane	ULHASNAGAR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3181	Maharashtra	Wardha	ARVI	Safe
3182	Maharashtra	Wardha	ASHTI	Safe
3183	Maharashtra	Wardha	DEOLI	Safe
3184	Maharashtra	Wardha	HINGANGHAT	Safe
3185	Maharashtra	Wardha	KARANJA	Semi-Critical
3186	Maharashtra	Wardha	SAMUDRAPUR	Safe
3187	Maharashtra	Wardha	SELOO	Safe
3188	Maharashtra	Wardha	WARDHA	Safe
3189	Maharashtra	Washim	KARANJA	Safe
3190	Maharashtra	Washim	MALEGAON	Safe
3191	Maharashtra	Washim	MANGRULPIR	Safe
3192	Maharashtra	Washim	MANORA	Safe
3193	Maharashtra	Washim	RISOD	Safe
3194	Maharashtra	Washim	WASHIM	Safe
3195	Maharashtra	Yawatmal	ARNI	Safe
3196	Maharashtra	Yawatmal	BABULGAON	Safe
3197	Maharashtra	Yawatmal	DARAVHA	Safe
3198	Maharashtra	Yawatmal	DIGRAS	Safe
3199	Maharashtra	Yawatmal	GHATANJI	Safe
3200	Maharashtra	Yawatmal	KALAMB	Safe
3201	Maharashtra	Yawatmal	MAHAGAON	Safe
3202	Maharashtra	Yawatmal	MAREGAON	Safe
3203	Maharashtra	Yawatmal	NER	Safe
3204	Maharashtra	Yawatmal	OMARKHED	Safe
3205	Maharashtra	Yawatmal	PANDHARKAVADA	Safe
3206	Maharashtra	Yawatmal	PUSAD	Safe
3207	Maharashtra	Yawatmal	RALEGAON	Safe
3208	Maharashtra	Yawatmal	WANI	Safe
3209	Maharashtra	Yawatmal	YEOTMAL	Safe
3210	Maharashtra	Yawatmal	ZARA ZAMANI	Safe
3211	Manipur	Bishnupur	BISHNUPUR	Safe
3212	Manipur	Bishnupur	MOIRANG	Safe
3213	Manipur	Churachanpur	CHURACHANDPUR	Safe
3214	Manipur	Imphal East	IMPHAL EAST I	Safe
3215	Manipur	Imphal East	IMPHAL EAST II	Safe
3216	Manipur	Imphal West	IMPHAL WEST I	Safe
3217	Manipur	Imphal West	IMPHAL WEST II	Safe
3218	Manipur	Thoubal	KAKCHING	Safe
3219	Manipur	Thoubal	THOUBAL	Safe
3220	Meghalaya	East Garo Hills	EAST GARO HILLS	Safe
3221	Meghalaya	East Jaintia Hills	EAST JAINTIA HILLS	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3222	Meghalaya	East Khasi Hills	EAST KHASI HILLS	Safe
3223	Meghalaya	Greater Shillong	EAST KHASI HILLS	Safe
3224	Meghalaya	North Garo Hills	NORTH GARO HILLS	Safe
3225	Meghalaya	Ri-Bhoi	RI-BHOI	Safe
3226	Meghalaya	South Garo Hills	SOUTH GARO HILLS	Safe
3227	Meghalaya	South West Garo Hills	SOUTH WEST GARO HILLS	Safe
3228	Meghalaya	South West Khasi Hills	SOUTH WEST KHASI HILLS	Safe
3229	Meghalaya	West Garo Hills	WEST GARO HILLS	Safe
3230	Meghalaya	West Jaintia Hills	WEST JAINTIA HILLS	Safe
3231	Meghalaya	West Khasi Hills	WEST KHASI HILLS	Safe
3232	Mizoram	Aizawl	AIBAWK	Safe
3233	Mizoram	Aizawl	DARLAWN	Safe
3234	Mizoram	Aizawl	PHULLEN	Safe
3235	Mizoram	Aizawl	THINGSULTLIAH	Safe
3236	Mizoram	Aizawl	TLANGNUAM	Safe
3237	Mizoram	Champhai	CHAMPHAI	Safe
3238	Mizoram	Champhai	KHAWBUNG	Safe
3239	Mizoram	Champhai	KHAWZAWL	Safe
3240	Mizoram	Champhai	NGOPA	Safe
3241	Mizoram	Kolasib	BILKHAWTHLIR	Safe
3242	Mizoram	Kolasib	NORTH THINGDAWL	Safe
3243	Mizoram	Lawngtlai	BUNGTLANG SOUTH	Safe
3244	Mizoram	Lawngtlai	CHAWNGTE	Safe
3245	Mizoram	Lawngtlai	LAWNGTLAI	Safe
3246	Mizoram	Lawngtlai	SANGAU	Safe
3247	Mizoram	Lunglei	HNAHTHIAL	Safe
3248	Mizoram	Lunglei	LUNGLEI	Safe
3249	Mizoram	Lunglei	LUNGSEN	Safe
3250	Mizoram	Lunglei	WEST BUNGHMUN	Safe
3251	Mizoram	Mamit	REIEK	Safe
3252	Mizoram	Mamit	WEST PHAILENG	Safe
3253	Mizoram	Mamit	ZAWLNUAM	Safe
3254	Mizoram	Saiha	SAIHA	Safe
3255	Mizoram	Saiha	TUIPANG	Safe
3256	Mizoram	Serchhip	E LUNG DAR	Safe
3257	Mizoram	Serchhip	SERCHHIP	Safe
3258	Nagaland	Dimapur	DIMAPUR	Safe
3259	Nagaland	Kiphire	KIPHIRE	Safe
3260	Nagaland	Kohima	KOHIMA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3261	Nagaland	Longleng	LONGLENG	Safe
3262	Nagaland	Mokokchung	MOKOKCHUNG	Safe
3263	Nagaland	Mon	MON	Safe
3264	Nagaland	Peren	PEREN	Safe
3265	Nagaland	Phek	PHEK	Safe
3266	Nagaland	Tuensang	TUENSANG	Safe
3267	Nagaland	Wokha	WOKHA	Safe
3268	Nagaland	Zunheboto	ZUNHEBOTO	Safe
3269	Odisha	Angul	ANUGUL	Safe
3270	Odisha	Angul	ATHMALLIK	Safe
3271	Odisha	Angul	BANARPAL	Safe
3272	Odisha	Angul	CHHENDIPADA	Safe
3273	Odisha	Angul	KANIHA	Safe
3274	Odisha	Angul	KISHORENAGAR	Safe
3275	Odisha	Angul	PALALAHADA	Safe
3276	Odisha	Angul	TALCHER	Safe
3277	Odisha	Balasore	BAHANAGA	Safe
3278	Odisha	Balasore	BALASORE	Safe
3279	Odisha	Balasore	BALIAPAL	Semi-Critical
3280	Odisha	Balasore	BASTA	Safe
3281	Odisha	Balasore	BHOGRAI	Safe
3282	Odisha	Balasore	JALESWAR	Safe
3283	Odisha	Balasore	KHAIRA	Safe
3284	Odisha	Balasore	NILGIRI	Safe
3285	Odisha	Balasore	OUPADA	Safe
3286	Odisha	Balasore	REMUNA	Safe
3287	Odisha	Balasore	SIMULIA	Safe
3288	Odisha	Balasore	SORO	Safe
3289	Odisha	Bargarh	AMBABHONA	Safe
3290	Odisha	Bargarh	ATTABIRA	Safe
3291	Odisha	Bargarh	BARAPALI	Safe
3292	Odisha	Bargarh	BARGARH	Safe
3293	Odisha	Bargarh	BHATLI	Safe
3294	Odisha	Bargarh	BHEDEN	Safe
3295	Odisha	Bargarh	BIJEPUR	Safe
3296	Odisha	Bargarh	GAISILET	Safe
3297	Odisha	Bargarh	JHARBANDHA	Safe
3298	Odisha	Bargarh	PADAMPUR	Safe
3299	Odisha	Bargarh	PAIKAMAL	Safe
3300	Odisha	Bargarh	SOHELA	Safe
3301	Odisha	Bhadrak	BASUDEVPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3302	Odisha	Bhadrak	BHADRAK	Safe
3303	Odisha	Bhadrak	BHANDARIPOKHARI	Safe
3304	Odisha	Bhadrak	BONTH	Safe
3305	Odisha	Bhadrak	CHANDBALI	Saline
3306	Odisha	Bhadrak	DHAMNAGAR	Safe
3307	Odisha	Bhadrak	TIHIDI	Safe
3308	Odisha	Bolangir	AGALPUR	Safe
3309	Odisha	Bolangir	BALANGIR	Safe
3310	Odisha	Bolangir	BANGOMUNDA	Safe
3311	Odisha	Bolangir	BELPARA	Safe
3312	Odisha	Bolangir	DEOGAON	Safe
3313	Odisha	Bolangir	GUDVELLA	Safe
3314	Odisha	Bolangir	KHAPRAKHOL	Safe
3315	Odisha	Bolangir	LOISINGA	Safe
3316	Odisha	Bolangir	MURIBAHAL	Safe
3317	Odisha	Bolangir	PATNAGARH	Safe
3318	Odisha	Bolangir	PUINTALA	Safe
3319	Odisha	Bolangir	SAINTALA	Safe
3320	Odisha	Bolangir	TITLAGARH	Safe
3321	Odisha	Bolangir	TUREKELA	Safe
3322	Odisha	Boudh	BOUDH	Safe
3323	Odisha	Boudh	HARBHANGA	Safe
3324	Odisha	Boudh	KANTAMAL	Safe
3325	Odisha	Cuttack	ATHAGAD	Safe
3326	Odisha	Cuttack	BADAMBA	Safe
3327	Odisha	Cuttack	BANKI	Safe
3328	Odisha	Cuttack	BANKI-DAMPARA	Safe
3329	Odisha	Cuttack	BARANG	Safe
3330	Odisha	Cuttack	CUTTACK SADAR	Safe
3331	Odisha	Cuttack	KANTAPADA	Safe
3332	Odisha	Cuttack	MAHANGA	Safe
3333	Odisha	Cuttack	NARASINGHPUR	Safe
3334	Odisha	Cuttack	NIALI	Safe
3335	Odisha	Cuttack	NISCHINTAKOILI	Safe
3336	Odisha	Cuttack	SALEPUR	Safe
3337	Odisha	Cuttack	TANGI-CHOUDWAR	Safe
3338	Odisha	Cuttack	TIGIRIA	Safe
3339	Odisha	Deogarh	BARKOTE	Safe
3340	Odisha	Deogarh	REAMAL	Safe
3341	Odisha	Deogarh	TILEIBANI	Safe
3342	Odisha	Dhenkanal	BHUBAN	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3343	Odisha	Dhenkanal	DHENKANAL	Safe
3344	Odisha	Dhenkanal	GOUNDIA	Safe
3345	Odisha	Dhenkanal	HINDOL	Safe
3346	Odisha	Dhenkanal	KAMAKSHYANAGAR	Safe
3347	Odisha	Dhenkanal	KANKADAHAD	Safe
3348	Odisha	Dhenkanal	ODAPADA	Safe
3349	Odisha	Dhenkanal	PARAJANG	Safe
3350	Odisha	Gajapati	GOSANI	Safe
3351	Odisha	Gajapati	GUMA	Safe
3352	Odisha	Gajapati	KASHINAGARA	Safe
3353	Odisha	Gajapati	MOHANA	Safe
3354	Odisha	Gajapati	NUAGADA	Safe
3355	Odisha	Gajapati	R. UDAYGIRI	Safe
3356	Odisha	Gajapati	RAYAGADA	Safe
3357	Odisha	Ganjam	ASKA	Safe
3358	Odisha	Ganjam	BELGUNTHA	Safe
3359	Odisha	Ganjam	BHANJANAGAR	Safe
3360	Odisha	Ganjam	BUGUDA	Safe
3361	Odisha	Ganjam	CHHATRAPUR	Safe
3362	Odisha	Ganjam	CHIKITI	Safe
3363	Odisha	Ganjam	DHARAKOTE	Safe
3364	Odisha	Ganjam	DIGAPAHANDI	Safe
3365	Odisha	Ganjam	GANJAM	Safe
3366	Odisha	Ganjam	HINJILICUT	Safe
3367	Odisha	Ganjam	JAGANATHPRASAD	Safe
3368	Odisha	Ganjam	KABISURYANAGAR	Safe
3369	Odisha	Ganjam	KHALIKOTE	Safe
3370	Odisha	Ganjam	KODALA	Safe
3371	Odisha	Ganjam	KUKUDAKHANDI	Safe
3372	Odisha	Ganjam	PALASARA	Safe
3373	Odisha	Ganjam	PATRAPUR	Safe
3374	Odisha	Ganjam	PURUSOTTAMPUR	Safe
3375	Odisha	Ganjam	RANGEILUNDA	Safe
3376	Odisha	Ganjam	SANAKHEMUNDI	Safe
3377	Odisha	Ganjam	SERGARH	Safe
3378	Odisha	Ganjam	SORADA	Safe
3379	Odisha	Jagatsinghpur	BALIKUDA	Safe
3380	Odisha	Jagatsinghpur	BIRIDI	Safe
3381	Odisha	Jagatsinghpur	ERSAMA	Saline
3382	Odisha	Jagatsinghpur	JAGATSINGHPUR	Safe
3383	Odisha	Jagatsinghpur	KUJANGA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3384	Odisha	Jagatsinghpur	NAUGAON	Safe
3385	Odisha	Jagatsinghpur	RAGHUNATHPUR	Safe
3386	Odisha	Jagatsinghpur	TIRTOL	Safe
3387	Odisha	Jajpur	BADACHANA	Safe
3388	Odisha	Jajpur	BARI	Safe
3389	Odisha	Jajpur	BINJHARPUR	Safe
3390	Odisha	Jajpur	DANAGADI	Safe
3391	Odisha	Jajpur	DASARATHPUR	Safe
3392	Odisha	Jajpur	DHARMASALA	Safe
3393	Odisha	Jajpur	JAJPUR	Safe
3394	Odisha	Jajpur	KOREI	Semi-Critical
3395	Odisha	Jajpur	RASULPUR	Safe
3396	Odisha	Jajpur	SUKINDA	Safe
3397	Odisha	Jharsuguda	JHARSUGUDA	Safe
3398	Odisha	Jharsuguda	KIRMIRA	Safe
3399	Odisha	Jharsuguda	KULABIRA	Safe
3400	Odisha	Jharsuguda	LAIKERA	Safe
3401	Odisha	Jharsuguda	LAKHANPUR	Safe
3402	Odisha	Kalahandi	BHAWANIPATNA	Safe
3403	Odisha	Kalahandi	DHARMAGARH	Safe
3404	Odisha	Kalahandi	GOLAMUNDA	Safe
3405	Odisha	Kalahandi	JAIPATNA	Safe
3406	Odisha	Kalahandi	JUNAGARH	Safe
3407	Odisha	Kalahandi	KALAMPUR	Safe
3408	Odisha	Kalahandi	KARLAMUNDA	Safe
3409	Odisha	Kalahandi	KESINGA	Safe
3410	Odisha	Kalahandi	KOKSARA	Safe
3411	Odisha	Kalahandi	LANJIGARH	Safe
3412	Odisha	Kalahandi	M. RAMPUR	Safe
3413	Odisha	Kalahandi	NARLA	Safe
3414	Odisha	Kalahandi	TH. RAMPUR	Safe
3415	Odisha	Kandhamal	BALIGUDA	Safe
3416	Odisha	Kandhamal	CHAKAPADA	Safe
3417	Odisha	Kandhamal	DARINGIBADI	Safe
3418	Odisha	Kandhamal	G. UDAYAGIRI	Safe
3419	Odisha	Kandhamal	K. NUAGAON	Safe
3420	Odisha	Kandhamal	KHAJURIPADA	Safe
3421	Odisha	Kandhamal	KOTAGARH	Safe
3422	Odisha	Kandhamal	PHIRINGIA	Safe
3423	Odisha	Kandhamal	PHULBANI	Safe
3424	Odisha	Kandhamal	RAIKIA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3425	Odisha	Kandhamal	TIKABALI	Safe
3426	Odisha	Kandhamal	TUMUDIBANDHA	Safe
3427	Odisha	Kendrapara	AUL	Safe
3428	Odisha	Kendrapara	DERABISH	Safe
3429	Odisha	Kendrapara	GARADPUR	Semi-Critical
3430	Odisha	Kendrapara	KENDRAPARA	Safe
3431	Odisha	Kendrapara	MAHAKALPADA	Saline
3432	Odisha	Kendrapara	MARSHAGHAI	Saline
3433	Odisha	Kendrapara	PATTAMUNDAI	Safe
3434	Odisha	Kendrapara	RAJKANIKI	Saline
3435	Odisha	Kendrapara	RAJNAGAR	Saline
3436	Odisha	Keonjhar	ANANDAPUR	Safe
3437	Odisha	Keonjhar	BANSPAL	Safe
3438	Odisha	Keonjhar	CHAMPUA	Safe
3439	Odisha	Keonjhar	GHASHIPURA	Safe
3440	Odisha	Keonjhar	GHATAGAON	Safe
3441	Odisha	Keonjhar	HARICHANDANPUR	Safe
3442	Odisha	Keonjhar	HATADIHI	Safe
3443	Odisha	Keonjhar	JHUMPURA	Safe
3444	Odisha	Keonjhar	JODA	Safe
3445	Odisha	Keonjhar	KEONJHAR	Safe
3446	Odisha	Keonjhar	PATNA	Safe
3447	Odisha	Keonjhar	SAHARAPADA	Safe
3448	Odisha	Keonjhar	TELKOI	Safe
3449	Odisha	Khurda	BALIANITA	Safe
3450	Odisha	Khurda	BALIPATNA	Safe
3451	Odisha	Khurda	BANAPUR	Safe
3452	Odisha	Khurda	BEGUNIA	Safe
3453	Odisha	Khurda	BHUBANESWAR	Semi-Critical
3454	Odisha	Khurda	BOLOGARH	Semi-Critical
3455	Odisha	Khurda	CHILIKA	Safe
3456	Odisha	Khurda	JATNI	Safe
3457	Odisha	Khurda	KHURDA	Safe
3458	Odisha	Khurda	TANGI	Safe
3459	Odisha	Koraput	BAIPARIGUDA	Safe
3460	Odisha	Koraput	BANDHUGAON	Safe
3461	Odisha	Koraput	BORIGUMA	Safe
3462	Odisha	Koraput	DASMANTAPUR	Safe
3463	Odisha	Koraput	JEYPORE	Safe
3464	Odisha	Koraput	KORAPUT	Safe
3465	Odisha	Koraput	KOTPAD	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3466	Odisha	Koraput	KUNDRA	Safe
3467	Odisha	Koraput	LAMTAPUT	Safe
3468	Odisha	Koraput	LAXMIPUR	Safe
3469	Odisha	Koraput	NANDAPUR	Safe
3470	Odisha	Koraput	NARAYANAPATNA	Safe
3471	Odisha	Koraput	POTANGI	Safe
3472	Odisha	Koraput	SIMILIGUDA	Safe
3473	Odisha	Malkangiri	KALIMELA	Safe
3474	Odisha	Malkangiri	KHAIRAPUT	Safe
3475	Odisha	Malkangiri	KORKUNDA	Safe
3476	Odisha	Malkangiri	KUDUMULUGUMA	Safe
3477	Odisha	Malkangiri	MALKANGIRI	Safe
3478	Odisha	Malkangiri	MATHILI	Safe
3479	Odisha	Malkangiri	PODIA	Safe
3480	Odisha	Mayurbhanj	BADASAH	Safe
3481	Odisha	Mayurbhanj	BAHALDA	Safe
3482	Odisha	Mayurbhanj	BANGIRIPOS	Safe
3483	Odisha	Mayurbhanj	BARIPADA	Safe
3484	Odisha	Mayurbhanj	BETNOTI	Safe
3485	Odisha	Mayurbhanj	BIJATALA	Safe
3486	Odisha	Mayurbhanj	BISOI	Safe
3487	Odisha	Mayurbhanj	GOPABANDHU NAGAR	Safe
3488	Odisha	Mayurbhanj	JAMDA	Safe
3489	Odisha	Mayurbhanj	JASHIPUR	Safe
3490	Odisha	Mayurbhanj	KAPTIPADA	Safe
3491	Odisha	Mayurbhanj	KARANJIA	Safe
3492	Odisha	Mayurbhanj	KHUNTA	Safe
3493	Odisha	Mayurbhanj	KULIANA	Safe
3494	Odisha	Mayurbhanj	KUSUMI	Safe
3495	Odisha	Mayurbhanj	MORODA	Safe
3496	Odisha	Mayurbhanj	RAIRANGPUR	Safe
3497	Odisha	Mayurbhanj	RARUAN	Safe
3498	Odisha	Mayurbhanj	RASGOVINDPUR	Safe
3499	Odisha	Mayurbhanj	SAMAKHUNTA	Safe
3500	Odisha	Mayurbhanj	SARASKANA	Safe
3501	Odisha	Mayurbhanj	SUKRULI	Safe
3502	Odisha	Mayurbhanj	SULIAPADA	Safe
3503	Odisha	Mayurbhanj	THAKURMUNDA	Safe
3504	Odisha	Mayurbhanj	TIRING	Safe
3505	Odisha	Mayurbhanj	UDALA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3506	Odisha	Nabarangapur	CHANDAHANDI	Safe
3507	Odisha	Nabarangapur	DABUGAON	Safe
3508	Odisha	Nabarangapur	JHARIGAON	Safe
3509	Odisha	Nabarangapur	KASAGUMUDA	Safe
3510	Odisha	Nabarangapur	NABARANGAPUR	Safe
3511	Odisha	Nabarangapur	NANDAHANDI	Safe
3512	Odisha	Nabarangapur	PAPADHANDI	Safe
3513	Odisha	Nabarangapur	RAIGHAR	Safe
3514	Odisha	Nabarangapur	TENTULIKHUNTI	Safe
3515	Odisha	Nabarangapur	UMERKOTE	Safe
3516	Odisha	Nayagarh	BHAPUR	Safe
3517	Odisha	Nayagarh	DASPALLA	Safe
3518	Odisha	Nayagarh	GANIA	Safe
3519	Odisha	Nayagarh	KHANDAPADA	Safe
3520	Odisha	Nayagarh	NAYAGARH	Safe
3521	Odisha	Nayagarh	NUAGAON	Safe
3522	Odisha	Nayagarh	ODOGAON	Safe
3523	Odisha	Nayagarh	RANAPUR	Safe
3524	Odisha	Nuapada	BODEN	Safe
3525	Odisha	Nuapada	KHARIAR	Safe
3526	Odisha	Nuapada	KOMNA	Safe
3527	Odisha	Nuapada	NUAPADA	Semi-Critical
3528	Odisha	Nuapada	SINAPALI	Safe
3529	Odisha	Puri	ASTARANG	Safe
3530	Odisha	Puri	BRAHMAGIRI	Safe
3531	Odisha	Puri	DELANG	Safe
3532	Odisha	Puri	GOP	Safe
3533	Odisha	Puri	KAKATPUR	Safe
3534	Odisha	Puri	KANAS	Safe
3535	Odisha	Puri	KRUSHNAPRASAD	Safe
3536	Odisha	Puri	NIMAPARA	Safe
3537	Odisha	Puri	PIPILI	Safe
3538	Odisha	Puri	PURI	Safe
3539	Odisha	Puri	SATYABADI	Safe
3540	Odisha	Rayagada	BISAMCUTTACK	Safe
3541	Odisha	Rayagada	CHANDRAPUR	Safe
3542	Odisha	Rayagada	GUDARI	Safe
3543	Odisha	Rayagada	GUNUPUR	Safe
3544	Odisha	Rayagada	KALAYANSINGHPUR	Safe
3545	Odisha	Rayagada	KASHIPUR	Safe
3546	Odisha	Rayagada	KOLNARA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3547	Odisha	Rayagada	MUNIGUDA	Safe
3548	Odisha	Rayagada	PADMAPUR	Safe
3549	Odisha	Rayagada	RAMANAGUDA	Safe
3550	Odisha	Rayagada	RAYAGADA	Safe
3551	Odisha	Sambalpur	BAMRA	Safe
3552	Odisha	Sambalpur	DHANKAUDA	Safe
3553	Odisha	Sambalpur	JAMANKIRA	Safe
3554	Odisha	Sambalpur	JUJUMURA	Safe
3555	Odisha	Sambalpur	KUCHINDA	Safe
3556	Odisha	Sambalpur	MANESWAR	Safe
3557	Odisha	Sambalpur	NAKTIDEOL	Safe
3558	Odisha	Sambalpur	RAIRAKHOL	Safe
3559	Odisha	Sambalpur	RENGALI	Safe
3560	Odisha	Subarnapur	BINKA	Safe
3561	Odisha	Subarnapur	BIRAMAHARAJPUR	Safe
3562	Odisha	Subarnapur	DUNGRIPALI	Safe
3563	Odisha	Subarnapur	SONEPUR	Safe
3564	Odisha	Subarnapur	TARVA	Safe
3565	Odisha	Subarnapur	ULLUNDA	Safe
3566	Odisha	Sundargarh	BALISHANKARA	Safe
3567	Odisha	Sundargarh	BARAGAON	Safe
3568	Odisha	Sundargarh	BISRA	Safe
3569	Odisha	Sundargarh	BONEIGARH	Safe
3570	Odisha	Sundargarh	GURUNDIA	Safe
3571	Odisha	Sundargarh	HEMGIRI	Safe
3572	Odisha	Sundargarh	KOIRA	Safe
3573	Odisha	Sundargarh	KUANRMUNDA	Safe
3574	Odisha	Sundargarh	KUTRA	Safe
3575	Odisha	Sundargarh	LAHUNIPADA	Safe
3576	Odisha	Sundargarh	LATHIKATA	Safe
3577	Odisha	Sundargarh	LEFRIPADA	Safe
3578	Odisha	Sundargarh	NUAGAON	Safe
3579	Odisha	Sundargarh	RAJGANGPUR	Safe
3580	Odisha	Sundargarh	SUBDEGA	Safe
3581	Odisha	Sundargarh	SUNDARGARH	Safe
3582	Odisha	Sundargarh	TANGARPALLI	Safe
3583	Punjab	Amritsar	AJNALA	Over-Exploited
3584	Punjab	Amritsar	ATTARI	Over-Exploited
3585	Punjab	Amritsar	CHOGAWAN	Over-Exploited
3586	Punjab	Amritsar	HARSHA CHINA	Over-Exploited
3587	Punjab	Amritsar	JANDIALA	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3588	Punjab	Amritsar	MAJITHA	Over-Exploited
3589	Punjab	Amritsar	RAYYA	Over-Exploited
3590	Punjab	Amritsar	TARSIKA	Over-Exploited
3591	Punjab	Amritsar	VERKA	Over-Exploited
3592	Punjab	Barnala	BARNALA	Over-Exploited
3593	Punjab	Barnala	MAHAL KALAN	Over-Exploited
3594	Punjab	Barnala	SEHNA	Over-Exploited
3595	Punjab	Bathinda	BATHINDA	Over-Exploited
3596	Punjab	Bathinda	BHAGTA BHAI KA	Over-Exploited
3597	Punjab	Bathinda	GONIANA MANDI	Over-Exploited
3598	Punjab	Bathinda	MAUR	Over-Exploited
3599	Punjab	Bathinda	NATHANA	Over-Exploited
3600	Punjab	Bathinda	PHUL	Over-Exploited
3601	Punjab	Bathinda	RAMPURA	Semi-Critical
3602	Punjab	Bathinda	SANGAT	Safe
3603	Punjab	Bathinda	TALWANDI SABOO	Critical
3604	Punjab	Faridkot	FARIDKOT	Over-Exploited
3605	Punjab	Faridkot	JAITON	Over-Exploited
3606	Punjab	Faridkot	KOT KAPURA	Over-Exploited
3607	Punjab	Fateh Garh Sahib	AMLOH	Over-Exploited
3608	Punjab	Fateh Garh Sahib	BASSI PATHANA	Over-Exploited
3609	Punjab	Fateh Garh Sahib	KHAMANON	Over-Exploited
3610	Punjab	Fateh Garh Sahib	KHERA	Over-Exploited
3611	Punjab	Fateh Garh Sahib	SIRHIND	Over-Exploited
3612	Punjab	Fazilka	ABOHAR	Safe
3613	Punjab	Fazilka	ARNIWALA SHEIKH SUBANPUR	Over-Exploited
3614	Punjab	Fazilka	FAZILKA	Critical
3615	Punjab	Fazilka	JALALABAD	Over-Exploited
3616	Punjab	Fazilka	KHUYIAN SARWAR	Safe
3617	Punjab	Ferozpur	FEROZPUR	Over-Exploited
3618	Punjab	Ferozpur	GHALL KHURD	Over-Exploited
3619	Punjab	Ferozpur	GURU HAR SAHAI	Over-Exploited
3620	Punjab	Ferozpur	MAKHU	Over-Exploited
3621	Punjab	Ferozpur	MAMDOT	Over-Exploited
3622	Punjab	Ferozpur	ZIRA	Over-Exploited
3623	Punjab	Gurdaspur	BATALA	Over-Exploited
3624	Punjab	Gurdaspur	DERA BABA NANAK	Over-Exploited
3625	Punjab	Gurdaspur	DHARIWAL	Over-Exploited
3626	Punjab	Gurdaspur	DINA NAGAR	Semi-Critical
3627	Punjab	Gurdaspur	DORANGALA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3628	Punjab	Gurdaspur	FATEHGARH CHURIAN	Over-Exploited
3629	Punjab	Gurdaspur	GURDASPUR	Critical
3630	Punjab	Gurdaspur	KAHNUWAN	Over-Exploited
3631	Punjab	Gurdaspur	KALANAUR	Over-Exploited
3632	Punjab	Gurdaspur	QADIAN	Critical
3633	Punjab	Gurdaspur	SRI HARGOBINDPUR	Critical
3634	Punjab	Hoshiarpur	BHUNGA	Safe
3635	Punjab	Hoshiarpur	DASUYA	Over-Exploited
3636	Punjab	Hoshiarpur	GARHSAHNKAR	Over-Exploited
3637	Punjab	Hoshiarpur	HAZIPUR	Safe
3638	Punjab	Hoshiarpur	HOSHIARPUR-1	Over-Exploited
3639	Punjab	Hoshiarpur	HOSHIARPUR-II	Semi-Critical
3640	Punjab	Hoshiarpur	MAHILPUR	Semi-Critical
3641	Punjab	Hoshiarpur	MUKERIAN	Semi-Critical
3642	Punjab	Hoshiarpur	TALWARA	Safe
3643	Punjab	Hoshiarpur	TANDA	Over-Exploited
3644	Punjab	Jalandhar	ADAMPUR	Over-Exploited
3645	Punjab	Jalandhar	BHOGPUR	Over-Exploited
3646	Punjab	Jalandhar	JALANDHAR-EAST	Over-Exploited
3647	Punjab	Jalandhar	JALANDHAR-WEST	Over-Exploited
3648	Punjab	Jalandhar	LOHIAN	Over-Exploited
3649	Punjab	Jalandhar	MEHATPUR	Over-Exploited
3650	Punjab	Jalandhar	NAKODAR	Over-Exploited
3651	Punjab	Jalandhar	NUR MAHAL	Over-Exploited
3652	Punjab	Jalandhar	PHILLAR	Over-Exploited
3653	Punjab	Jalandhar	RURKA KALAN	Over-Exploited
3654	Punjab	Jalandhar	SHAHKOT	Over-Exploited
3655	Punjab	Kapurthala	DHILWAN	Over-Exploited
3656	Punjab	Kapurthala	KAPURTHALA	Over-Exploited
3657	Punjab	Kapurthala	NADALA	Over-Exploited
3658	Punjab	Kapurthala	PHAGWARA	Over-Exploited
3659	Punjab	Kapurthala	SULTANPUR LODHI	Over-Exploited
3660	Punjab	Ludhiana	DEHLON	Over-Exploited
3661	Punjab	Ludhiana	DORAHA	Over-Exploited
3662	Punjab	Ludhiana	JAGRAON	Over-Exploited
3663	Punjab	Ludhiana	KHANNA	Over-Exploited
3664	Punjab	Ludhiana	LUDHIANA - I	Over-Exploited
3665	Punjab	Ludhiana	LUDHIANA - II	Over-Exploited
3666	Punjab	Ludhiana	MACHHIWARA	Over-Exploited
3667	Punjab	Ludhiana	MALOOD	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3668	Punjab	Ludhiana	PAKHOWAL	Over-Exploited
3669	Punjab	Ludhiana	RAIKOT	Over-Exploited
3670	Punjab	Ludhiana	SAMRALA	Over-Exploited
3671	Punjab	Ludhiana	SIDHWAN BET	Over-Exploited
3672	Punjab	Ludhiana	SUDHAR	Over-Exploited
3673	Punjab	Mansa	BHIKHI	Over-Exploited
3674	Punjab	Mansa	BUDHLADA	Over-Exploited
3675	Punjab	Mansa	JHUNIR	Over-Exploited
3676	Punjab	Mansa	MANSA	Over-Exploited
3677	Punjab	Mansa	SARDULGARH	Over-Exploited
3678	Punjab	Moga	BAGHA PURANA	Over-Exploited
3679	Punjab	Moga	DHARAMKOT (KOT ISAK)	Over-Exploited
3680	Punjab	Moga	MOGA I	Over-Exploited
3681	Punjab	Moga	MOGA II	Over-Exploited
3682	Punjab	Moga	NIHAL SINGH WALA	Over-Exploited
3683	Punjab	Muktsar	GIDDERBAHA/ (KOT BHA	Safe
3684	Punjab	Muktsar	LAMBI	Safe
3685	Punjab	Muktsar	MALOUT	Safe
3686	Punjab	Muktsar	MUKTSAR	Safe
3687	Punjab	Nawanshahar	AUR	Over-Exploited
3688	Punjab	Nawanshahar	BALACHAUR	Semi-Critical
3689	Punjab	Nawanshahar	BANGA	Over-Exploited
3690	Punjab	Nawanshahar	NAWAN SHAHR	Over-Exploited
3691	Punjab	Nawanshahar	SAROYA	Safe
3692	Punjab	Pathankot	BAMYAL	Semi-Critical
3693	Punjab	Pathankot	DHAR KALAN	Safe
3694	Punjab	Pathankot	GHAROTA	Semi-Critical
3695	Punjab	Pathankot	NAROT JAIMAL SINGH	Semi-Critical
3696	Punjab	Pathankot	PATHANKOT	Safe
3697	Punjab	Pathankot	SUJANPUR	Safe
3698	Punjab	Patiala	BHUNER HERI	Over-Exploited
3699	Punjab	Patiala	GHANAUR	Over-Exploited
3700	Punjab	Patiala	NABHA	Over-Exploited
3701	Punjab	Patiala	PATIALA	Over-Exploited
3702	Punjab	Patiala	PATRAN	Over-Exploited
3703	Punjab	Patiala	RAJPURA	Over-Exploited
3704	Punjab	Patiala	SAMANA	Over-Exploited
3705	Punjab	Patiala	SANAUR	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3706	Punjab	Patiala	SHAMBU KALAN	Over-Exploited
3707	Punjab	Ropar	ANANDPUR SAHIB	Semi-Critical
3708	Punjab	Ropar	CHAMKAUR SAHIB	Over-Exploited
3709	Punjab	Ropar	MORINDA	Over-Exploited
3710	Punjab	Ropar	NURPUR BEDI	Critical
3711	Punjab	Ropar	ROPAR	Safe
3712	Punjab	S.A.S Nagar	DERA BASSI	Over-Exploited
3713	Punjab	S.A.S Nagar	KHARAR	Over-Exploited
3714	Punjab	S.A.S Nagar	SIALBA MAJRI	Safe
3715	Punjab	Sangrur	ANDANA	Over-Exploited
3716	Punjab	Sangrur	BHIWANIGARH	Over-Exploited
3717	Punjab	Sangrur	DHURI	Over-Exploited
3718	Punjab	Sangrur	DIRBA	Over-Exploited
3719	Punjab	Sangrur	LEHRAGHAGA	Over-Exploited
3720	Punjab	Sangrur	MALER KOTLA	Over-Exploited
3721	Punjab	Sangrur	MALERKOTLA-2	Over-Exploited
3722	Punjab	Sangrur	SANGRUR	Over-Exploited
3723	Punjab	Sangrur	SHERPUR	Over-Exploited
3724	Punjab	Sangrur	SUNAM	Over-Exploited
3725	Punjab	Tarn Taran	BHIKHIWIND	Over-Exploited
3726	Punjab	Tarn Taran	CHOLA SAHIB	Over-Exploited
3727	Punjab	Tarn Taran	GANDIWIND	Over-Exploited
3728	Punjab	Tarn Taran	KHADUR SAHIB	Over-Exploited
3729	Punjab	Tarn Taran	NAUSHEHRA PANUAN	Over-Exploited
3730	Punjab	Tarn Taran	PATTI	Over-Exploited
3731	Punjab	Tarn Taran	TARN TARAN	Over-Exploited
3732	Punjab	Tarn Taran	VALTOHA	Over-Exploited
3733	Rajasthan	Ajmer	ARAIN	Over-Exploited
3734	Rajasthan	Ajmer	BHINAY	Over-Exploited
3735	Rajasthan	Ajmer	JAWAJA	Over-Exploited
3736	Rajasthan	Ajmer	KEKRI	Over-Exploited
3737	Rajasthan	Ajmer	KISHANGARH	Over-Exploited
3738	Rajasthan	Ajmer	MASOODA	Over-Exploited
3739	Rajasthan	Ajmer	PEESANGAN	Over-Exploited
3740	Rajasthan	Ajmer	SARWAR	Over-Exploited
3741	Rajasthan	Ajmer	SHRINAGAR	Over-Exploited
3742	Rajasthan	Alwar	BANSUR	Over-Exploited
3743	Rajasthan	Alwar	BEHROR	Over-Exploited
3744	Rajasthan	Alwar	KATHUMAR	Over-Exploited
3745	Rajasthan	Alwar	KISHANGARH BAS	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3746	Rajasthan	Alwar	KOTKASIM	Over-Exploited
3747	Rajasthan	Alwar	LAXMANGARH	Over-Exploited
3748	Rajasthan	Alwar	MANDAWAR	Over-Exploited
3749	Rajasthan	Alwar	NEEMRANA	Over-Exploited
3750	Rajasthan	Alwar	RAJGARH	Over-Exploited
3751	Rajasthan	Alwar	RAMGARH	Over-Exploited
3752	Rajasthan	Alwar	RENI	Over-Exploited
3753	Rajasthan	Alwar	THANAGAZI	Over-Exploited
3754	Rajasthan	Alwar	TIJARA	Over-Exploited
3755	Rajasthan	Alwar	UMREN	Over-Exploited
3756	Rajasthan	Banswara	ANANDPURI	Semi-Critical
3757	Rajasthan	Banswara	ARTHOONA	Safe
3758	Rajasthan	Banswara	BAGIDORA	Semi-Critical
3759	Rajasthan	Banswara	BANSWARA	Safe
3760	Rajasthan	Banswara	CHHOTISARVAN	Safe
3761	Rajasthan	Banswara	GANGAR TALAI	Semi-Critical
3762	Rajasthan	Banswara	GARHI	Semi-Critical
3763	Rajasthan	Banswara	GHATOL	Safe
3764	Rajasthan	Banswara	KUSHALGARH	Semi-Critical
3765	Rajasthan	Banswara	SAJJANGARH	Safe
3766	Rajasthan	Banswara	TALWARA	Safe
3767	Rajasthan	Baran	ANTAH	Semi-Critical
3768	Rajasthan	Baran	ATRU	Over-Exploited
3769	Rajasthan	Baran	BARAN	Over-Exploited
3770	Rajasthan	Baran	CHHABRA	Over-Exploited
3771	Rajasthan	Baran	CHHIPABAROD	Over-Exploited
3772	Rajasthan	Baran	KISHANGANJ	Semi-Critical
3773	Rajasthan	Baran	SHAHBAD	Semi-Critical
3774	Rajasthan	Barmer	BALOTRA	Over-Exploited
3775	Rajasthan	Barmer	BARMER	Over-Exploited
3776	Rajasthan	Barmer	BAYTOO	Over-Exploited
3777	Rajasthan	Barmer	CHOHTAN	Safe
3778	Rajasthan	Barmer	DHANA OO	Over-Exploited
3779	Rajasthan	Barmer	DHORIMANNA	Over-Exploited
3780	Rajasthan	Barmer	GADRAROAD	Over-Exploited
3781	Rajasthan	Barmer	GIRA	Over-Exploited
3782	Rajasthan	Barmer	GUDHAMALANI	Critical
3783	Rajasthan	Barmer	KALYANPUR	Safe
3784	Rajasthan	Barmer	PATODI	Semi-Critical
3785	Rajasthan	Barmer	RAMSAR	Over-Exploited
3786	Rajasthan	Barmer	SAMDARI	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3787	Rajasthan	Barmer	SERWA	Over-Exploited
3788	Rajasthan	Barmer	SHEO	Over-Exploited
3789	Rajasthan	Barmer	SINDHARI	Over-Exploited
3790	Rajasthan	Barmer	SIWANA	Critical
3791	Rajasthan	Bharatpur	BAYANA	Over-Exploited
3792	Rajasthan	Bharatpur	DEEG	Critical
3793	Rajasthan	Bharatpur	KAMAN	Over-Exploited
3794	Rajasthan	Bharatpur	KUMHER	Over-Exploited
3795	Rajasthan	Bharatpur	NADBAI	Over-Exploited
3796	Rajasthan	Bharatpur	NAGAR	Over-Exploited
3797	Rajasthan	Bharatpur	PAHARI	Over-Exploited
3798	Rajasthan	Bharatpur	RUPBAS	Over-Exploited
3799	Rajasthan	Bharatpur	SEWAR	Over-Exploited
3800	Rajasthan	Bharatpur	WEIR	Over-Exploited
3801	Rajasthan	Bhilwara	ASIND	Over-Exploited
3802	Rajasthan	Bhilwara	BANERA	Over-Exploited
3803	Rajasthan	Bhilwara	BIJOLIYAN	Over-Exploited
3804	Rajasthan	Bhilwara	HURDA	Over-Exploited
3805	Rajasthan	Bhilwara	JAHAZPUR	Over-Exploited
3806	Rajasthan	Bhilwara	KOTRI	Over-Exploited
3807	Rajasthan	Bhilwara	MANDAL	Over-Exploited
3808	Rajasthan	Bhilwara	MANDALGARH	Over-Exploited
3809	Rajasthan	Bhilwara	RAIPUR	Over-Exploited
3810	Rajasthan	Bhilwara	SAHARA	Over-Exploited
3811	Rajasthan	Bhilwara	SHAHPURA	Over-Exploited
3812	Rajasthan	Bhilwara	SUWANA	Over-Exploited
3813	Rajasthan	Bikaner	BIKANER	Over-Exploited
3814	Rajasthan	Bikaner	DUNGARGARH	Over-Exploited
3815	Rajasthan	Bikaner	KHAJUWALA	Saline
3816	Rajasthan	Bikaner	KOLAYAT	Safe
3817	Rajasthan	Bikaner	LUNKARANSAR	Safe
3818	Rajasthan	Bikaner	NOKHA	Over-Exploited
3819	Rajasthan	Bikaner	PANCHOO	Semi-Critical
3820	Rajasthan	Bundi	BUNDI	Critical
3821	Rajasthan	Bundi	HINDOLI	Over-Exploited
3822	Rajasthan	Bundi	KESHORAI PATAN	Semi-Critical
3823	Rajasthan	Bundi	NAINWA	Over-Exploited
3824	Rajasthan	Bundi	TALERA	Safe
3825	Rajasthan	Chittaurgarh	BARI SADRI	Over-Exploited
3826	Rajasthan	Chittaurgarh	BEGUN	Over-Exploited
3827	Rajasthan	Chittaurgarh	BHADESAR	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3828	Rajasthan	Chittaurgarh	BHAINSRORGARH	Over-Exploited
3829	Rajasthan	Chittaurgarh	BHOPALSAGAR	Over-Exploited
3830	Rajasthan	Chittaurgarh	CHITTAURGARH	Over-Exploited
3831	Rajasthan	Chittaurgarh	DUNGLA	Over-Exploited
3832	Rajasthan	Chittaurgarh	GANGRAR	Over-Exploited
3833	Rajasthan	Chittaurgarh	KAPASAN	Over-Exploited
3834	Rajasthan	Chittaurgarh	NIMBAHERA	Over-Exploited
3835	Rajasthan	Chittaurgarh	RASHMI	Over-Exploited
3836	Rajasthan	Churu	BIDASAR	Over-Exploited
3837	Rajasthan	Churu	CHURU	Critical
3838	Rajasthan	Churu	RAJGARH	Over-Exploited
3839	Rajasthan	Churu	RATANGARH	Over-Exploited
3840	Rajasthan	Churu	SARDARSHAHAR	Safe
3841	Rajasthan	Churu	SUJANGARH	Over-Exploited
3842	Rajasthan	Churu	TARANAGAR	Saline
3843	Rajasthan	Dausa	BANDIKUI	Over-Exploited
3844	Rajasthan	Dausa	DAUSA	Over-Exploited
3845	Rajasthan	Dausa	LALSOT	Over-Exploited
3846	Rajasthan	Dausa	LAWAN	Over-Exploited
3847	Rajasthan	Dausa	MAHWA	Over-Exploited
3848	Rajasthan	Dausa	SIKRAI	Over-Exploited
3849	Rajasthan	Dhaulpur	BARI	Over-Exploited
3850	Rajasthan	Dhaulpur	BASERI	Critical
3851	Rajasthan	Dhaulpur	DHAULPUR	Over-Exploited
3852	Rajasthan	Dhaulpur	RAJAKHERA	Over-Exploited
3853	Rajasthan	Dhaulpur	SAIPAU	Over-Exploited
3854	Rajasthan	Dungarpur	ASPUR	Safe
3855	Rajasthan	Dungarpur	BICHHIWARA	Safe
3856	Rajasthan	Dungarpur	CHEEKHLI	Safe
3857	Rajasthan	Dungarpur	DOVRA	Semi-Critical
3858	Rajasthan	Dungarpur	DUNGARPUR	Safe
3859	Rajasthan	Dungarpur	GALIAKOT	Safe
3860	Rajasthan	Dungarpur	JHONTHRI	Safe
3861	Rajasthan	Dungarpur	SABLA	Safe
3862	Rajasthan	Dungarpur	SAGWARA	Semi-Critical
3863	Rajasthan	Dungarpur	SIMALWARA	Safe
3864	Rajasthan	Ganganagar	ANUPGARH	Safe
3865	Rajasthan	Ganganagar	GANGANAGAR	Safe
3866	Rajasthan	Ganganagar	GHADSANA	Safe
3867	Rajasthan	Ganganagar	KARANPUR	Safe
3868	Rajasthan	Ganganagar	PADAMPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3869	Rajasthan	Ganganagar	RAISINGHNAGAR	Safe
3870	Rajasthan	Ganganagar	SADULSHAHAR	Safe
3871	Rajasthan	Ganganagar	SRI VIJAYNAGAR	Safe
3872	Rajasthan	Ganganagar	SURATGARH	Safe
3873	Rajasthan	Hanumangarh	BHADRA	Safe
3874	Rajasthan	Hanumangarh	HANUMANGARH	Safe
3875	Rajasthan	Hanumangarh	NOHAR	Safe
3876	Rajasthan	Hanumangarh	PILIBANGA	Safe
3877	Rajasthan	Hanumangarh	RAWATSAR	Saline
3878	Rajasthan	Hanumangarh	SANGARIYA	Safe
3879	Rajasthan	Hanumangarh	TIBI	Safe
3880	Rajasthan	Jaipur	AMBER	Over-Exploited
3881	Rajasthan	Jaipur	BASSI	Over-Exploited
3882	Rajasthan	Jaipur	CHAKSU	Over-Exploited
3883	Rajasthan	Jaipur	DUDU	Over-Exploited
3884	Rajasthan	Jaipur	GOVINDGARH	Over-Exploited
3885	Rajasthan	Jaipur	JALSOO	Over-Exploited
3886	Rajasthan	Jaipur	JAMWA RAMGARH	Over-Exploited
3887	Rajasthan	Jaipur	JHOTWARA	Over-Exploited
3888	Rajasthan	Jaipur	KOTPUTLI	Over-Exploited
3889	Rajasthan	Jaipur	PAOTA	Over-Exploited
3890	Rajasthan	Jaipur	PHAGI	Over-Exploited
3891	Rajasthan	Jaipur	SAMBHAR	Over-Exploited
3892	Rajasthan	Jaipur	SANGANER	Over-Exploited
3893	Rajasthan	Jaipur	SHAHPURA	Over-Exploited
3894	Rajasthan	Jaipur	VIRATNAGAR	Over-Exploited
3895	Rajasthan	Jaisalmer	JAISALMER	Over-Exploited
3896	Rajasthan	Jaisalmer	SAM	Over-Exploited
3897	Rajasthan	Jaisalmer	SANKRA	Over-Exploited
3898	Rajasthan	Jalor	AHORE	Over-Exploited
3899	Rajasthan	Jalor	BHINMAL	Over-Exploited
3900	Rajasthan	Jalor	CHITALWANA	Semi-Critical
3901	Rajasthan	Jalor	JALORE	Over-Exploited
3902	Rajasthan	Jalor	JASWANTPURA	Over-Exploited
3903	Rajasthan	Jalor	RANIWARA	Over-Exploited
3904	Rajasthan	Jalor	SANCHORE	Over-Exploited
3905	Rajasthan	Jalor	SAYLA	Over-Exploited
3906	Rajasthan	Jhalawar	AKLERA	Semi-Critical
3907	Rajasthan	Jhalawar	BAKANI	Over-Exploited
3908	Rajasthan	Jhalawar	BHAWANI MANDI	Semi-Critical
3909	Rajasthan	Jhalawar	DAG	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3910	Rajasthan	Jhalawar	JHALRAPATAN	Over-Exploited
3911	Rajasthan	Jhalawar	KHANPUR	Over-Exploited
3912	Rajasthan	Jhalawar	MANOHAR THANA	Critical
3913	Rajasthan	Jhalawar	PIRAWA	Semi-Critical
3914	Rajasthan	Jhunjhunun	ALSISAR	Over-Exploited
3915	Rajasthan	Jhunjhunun	BUHANA	Over-Exploited
3916	Rajasthan	Jhunjhunun	CHIRAWA	Over-Exploited
3917	Rajasthan	Jhunjhunun	JHUNJHUNU	Over-Exploited
3918	Rajasthan	Jhunjhunun	KHETRI	Over-Exploited
3919	Rajasthan	Jhunjhunun	NAWALGARH	Over-Exploited
3920	Rajasthan	Jhunjhunun	SURAJGARH	Over-Exploited
3921	Rajasthan	Jhunjhunun	UDAIPURWATI	Over-Exploited
3922	Rajasthan	Jodhpur	BALESAR	Over-Exploited
3923	Rajasthan	Jodhpur	BAORI	Over-Exploited
3924	Rajasthan	Jodhpur	BAP	Semi-Critical
3925	Rajasthan	Jodhpur	BAPINI	Over-Exploited
3926	Rajasthan	Jodhpur	BHOPALGARH	Over-Exploited
3927	Rajasthan	Jodhpur	BILARA	Over-Exploited
3928	Rajasthan	Jodhpur	DECHOO	Over-Exploited
3929	Rajasthan	Jodhpur	LOHAWAT	Over-Exploited
3930	Rajasthan	Jodhpur	LUNI	Critical
3931	Rajasthan	Jodhpur	MANDOR	Over-Exploited
3932	Rajasthan	Jodhpur	OSIAN	Over-Exploited
3933	Rajasthan	Jodhpur	PHALODI	Over-Exploited
3934	Rajasthan	Jodhpur	PIPAR CITY	Over-Exploited
3935	Rajasthan	Jodhpur	SHEKHALA	Over-Exploited
3936	Rajasthan	Jodhpur	SHERGARH	Over-Exploited
3937	Rajasthan	Jodhpur	TIWARI	Over-Exploited
3938	Rajasthan	Karauli	HINDAUN	Over-Exploited
3939	Rajasthan	Karauli	KARAULI	Over-Exploited
3940	Rajasthan	Karauli	MANDRAIL	Over-Exploited
3941	Rajasthan	Karauli	NADOTI	Semi-Critical
3942	Rajasthan	Karauli	SAPOTRA	Over-Exploited
3943	Rajasthan	Karauli	TODABHIM	Over-Exploited
3944	Rajasthan	Kota	ITAWA	Semi-Critical
3945	Rajasthan	Kota	KHAIRABAD	Over-Exploited
3946	Rajasthan	Kota	LADPURA	Semi-Critical
3947	Rajasthan	Kota	SANGOD	Over-Exploited
3948	Rajasthan	Kota	SULTANPUR	Semi-Critical
3949	Rajasthan	Nagaur	DEGANA	Over-Exploited
3950	Rajasthan	Nagaur	DIDWANA	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3951	Rajasthan	Nagaur	JAYAL	Over-Exploited
3952	Rajasthan	Nagaur	KHEENV SAR	Over-Exploited
3953	Rajasthan	Nagaur	KUCHAMAN CITY	Over-Exploited
3954	Rajasthan	Nagaur	LADNU	Over-Exploited
3955	Rajasthan	Nagaur	MAKRANA	Over-Exploited
3956	Rajasthan	Nagaur	MERTA	Over-Exploited
3957	Rajasthan	Nagaur	MOLASAR	Over-Exploited
3958	Rajasthan	Nagaur	MUNDWA	Over-Exploited
3959	Rajasthan	Nagaur	NAGOUR	Critical
3960	Rajasthan	Nagaur	NAWA	Over-Exploited
3961	Rajasthan	Nagaur	PARBATSAR	Over-Exploited
3962	Rajasthan	Nagaur	RIYAN BARI	Over-Exploited
3963	Rajasthan	Pali	BALI	Over-Exploited
3964	Rajasthan	Pali	DESURI	Over-Exploited
3965	Rajasthan	Pali	JAITARAN	Over-Exploited
3966	Rajasthan	Pali	KHARCHI (MARWAR JUNC	Over-Exploited
3967	Rajasthan	Pali	PALI	Semi-Critical
3968	Rajasthan	Pali	RAIPUR	Over-Exploited
3969	Rajasthan	Pali	RANI STATION	Over-Exploited
3970	Rajasthan	Pali	ROHAT	Safe
3971	Rajasthan	Pali	SOJAT	Over-Exploited
3972	Rajasthan	Pali	SUMERPUR	Over-Exploited
3973	Rajasthan	Pratapgarh	ARNOD	Over-Exploited
3974	Rajasthan	Pratapgarh	CHHOTI SADRI	Over-Exploited
3975	Rajasthan	Pratapgarh	DHARIAWAD	Critical
3976	Rajasthan	Pratapgarh	PEEPALKHOONT	Safe
3977	Rajasthan	Pratapgarh	PRATAPGARH	Over-Exploited
3978	Rajasthan	Rajsamand	AMET	Over-Exploited
3979	Rajasthan	Rajsamand	BHIM	Over-Exploited
3980	Rajasthan	Rajsamand	DEOGARH	Over-Exploited
3981	Rajasthan	Rajsamand	KHAMNOR	Critical
3982	Rajasthan	Rajsamand	KUMBHALGARH	Critical
3983	Rajasthan	Rajsamand	RAILMAGRA	Over-Exploited
3984	Rajasthan	Rajsamand	RAJSAMAND	Over-Exploited
3985	Rajasthan	Sawai Madhopur	BAMANWAS	Over-Exploited
3986	Rajasthan	Sawai Madhopur	BONLI	Over-Exploited
3987	Rajasthan	Sawai Madhopur	CHAUTH KA BARWARA	Over-Exploited
3988	Rajasthan	Sawai Madhopur	GANGAPUR	Over-Exploited
3989	Rajasthan	Sawai Madhopur	KHANDAR	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
3990	Rajasthan	Sawai Madhopur	SAWAI MADHOPUR	Over-Exploited
3991	Rajasthan	Sikar	DANTA RAMGARH	Over-Exploited
3992	Rajasthan	Sikar	DHOND	Over-Exploited
3993	Rajasthan	Sikar	FATEHPUR	Critical
3994	Rajasthan	Sikar	KHANDELA	Over-Exploited
3995	Rajasthan	Sikar	LACHHMANGARH	Over-Exploited
3996	Rajasthan	Sikar	NEEM KA THANA	Over-Exploited
3997	Rajasthan	Sikar	PATAN	Over-Exploited
3998	Rajasthan	Sikar	PIPRALI	Over-Exploited
3999	Rajasthan	Sikar	SRIMADHOPUR	Over-Exploited
4000	Rajasthan	Sirohi	ABU ROAD	Over-Exploited
4001	Rajasthan	Sirohi	PINDWARA	Semi-Critical
4002	Rajasthan	Sirohi	REODAR	Over-Exploited
4003	Rajasthan	Sirohi	SHEOGANJ	Over-Exploited
4004	Rajasthan	Sirohi	SIROHI	Over-Exploited
4005	Rajasthan	Tonk	DEOLI	Semi-Critical
4006	Rajasthan	Tonk	MALPURA	Over-Exploited
4007	Rajasthan	Tonk	NIWAI	Over-Exploited
4008	Rajasthan	Tonk	TODARISINGH	Semi-Critical
4009	Rajasthan	Tonk	TONK	Critical
4010	Rajasthan	Tonk	UNIARA	Over-Exploited
4011	Rajasthan	Udaipur	BARGAON	Over-Exploited
4012	Rajasthan	Udaipur	BHINDAR	Critical
4013	Rajasthan	Udaipur	GIRWA	Critical
4014	Rajasthan	Udaipur	GOGUNDA	Critical
4015	Rajasthan	Udaipur	JHADOL	Critical
4016	Rajasthan	Udaipur	JHALARA	Semi-Critical
4017	Rajasthan	Udaipur	KHERWARA	Critical
4018	Rajasthan	Udaipur	KOTRA	Over-Exploited
4019	Rajasthan	Udaipur	KURAWAR	Critical
4020	Rajasthan	Udaipur	LASADIYA	Over-Exploited
4021	Rajasthan	Udaipur	MAVLI	Over-Exploited
4022	Rajasthan	Udaipur	PHALASIYA	Critical
4023	Rajasthan	Udaipur	RISHABHDEV	Over-Exploited
4024	Rajasthan	Udaipur	SALUMBAR	Semi-Critical
4025	Rajasthan	Udaipur	SARADA	Critical
4026	Rajasthan	Udaipur	SAYRA	Critical
4027	Rajasthan	Udaipur	SEMARI	Semi-Critical
4028	Sikkim	East	EAST DISTRICT	Safe
4029	Sikkim	North	NORTH DISTRICT	Safe
4030	Sikkim	South	SOUTH DISTRICT	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4031	Sikkim	West	WEST DISTRICT	Safe
4032	Tamil Nadu	Ariyalur	ANDIMADAM	Safe
4033	Tamil Nadu	Ariyalur	ARIYALUR	Safe
4034	Tamil Nadu	Ariyalur	ELAKURICHI	Safe
4035	Tamil Nadu	Ariyalur	JAYANKONDAM	Safe
4036	Tamil Nadu	Ariyalur	KEELAPALUR	Safe
4037	Tamil Nadu	Ariyalur	KUNDAVELI	Safe
4038	Tamil Nadu	Ariyalur	KUVAGAM	Safe
4039	Tamil Nadu	Ariyalur	MATHUR	Safe
4040	Tamil Nadu	Ariyalur	NAGAMANGALAM	Safe
4041	Tamil Nadu	Ariyalur	PONPARAPPI	Safe
4042	Tamil Nadu	Ariyalur	SENDURAI	Semi-Critical
4043	Tamil Nadu	Ariyalur	SUTHAMALLI	Safe
4044	Tamil Nadu	Ariyalur	T. PALUR	Safe
4045	Tamil Nadu	Ariyalur	THRUMANUR	Safe
4046	Tamil Nadu	Ariyalur	UDAYARPALAYAM	Safe
4047	Tamil Nadu	Chengalpattu	ACCHIRUPAKKAM	Semi-Critical
4048	Tamil Nadu	Chengalpattu	APPUR	Over-Exploited
4049	Tamil Nadu	Chengalpattu	CHENGALPATTU	Over-Exploited
4050	Tamil Nadu	Chengalpattu	CHEYUR	Semi-Critical
4051	Tamil Nadu	Chengalpattu	CHITHAMUR	Semi-Critical
4052	Tamil Nadu	Chengalpattu	CHITLAPAKKAM	Safe
4053	Tamil Nadu	Chengalpattu	GUDUVANCHERI	Semi-Critical
4054	Tamil Nadu	Chengalpattu	JAMEENENDATHUR	Semi-Critical
4055	Tamil Nadu	Chengalpattu	KADAPAKKAM	Safe
4056	Tamil Nadu	Chengalpattu	KARUGKUZHI	Safe
4057	Tamil Nadu	Chengalpattu	KARUMBAKKAM	Semi-Critical
4058	Tamil Nadu	Chengalpattu	KATTANKULATHUR	Semi-Critical
4059	Tamil Nadu	Chengalpattu	KAYAPAKKAM	Semi-Critical
4060	Tamil Nadu	Chengalpattu	KELAMBAKKAM	Safe
4061	Tamil Nadu	Chengalpattu	KODUR	Semi-Critical
4062	Tamil Nadu	Chengalpattu	L.ENDATHUR	Semi-Critical
4063	Tamil Nadu	Chengalpattu	LATHUR	Safe
4064	Tamil Nadu	Chengalpattu	MADAMBAKKAM	Safe
4065	Tamil Nadu	Chengalpattu	MADHURANTHAKAM	Safe
4066	Tamil Nadu	Chengalpattu	MAMALLAPURAM	Semi-Critical
4067	Tamil Nadu	Chengalpattu	MAMBAKKAM	Safe
4068	Tamil Nadu	Chengalpattu	MANAMBATHY	Safe
4069	Tamil Nadu	Chengalpattu	MEDAVAKKAM	Safe
4070	Tamil Nadu	Chengalpattu	NELLIKUPPAM	Safe
4071	Tamil Nadu	Chengalpattu	NERUMBUR	Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4072	Tamil Nadu	Chengalpattu	ONAMPAKKAM	Semi-Critical
4073	Tamil Nadu	Chengalpattu	ORATHI	Over-Exploited
4074	Tamil Nadu	Chengalpattu	PAIYANUR	Safe
4075	Tamil Nadu	Chengalpattu	PALLAVARAM	Safe
4076	Tamil Nadu	Chengalpattu	PALLUR(K)	Semi-Critical
4077	Tamil Nadu	Chengalpattu	PAMMAL	Safe
4078	Tamil Nadu	Chengalpattu	PERUMPAKKAM	Semi-Critical
4079	Tamil Nadu	Chengalpattu	PONVILAYANTHAKALA THUR	Semi-Critical
4080	Tamil Nadu	Chengalpattu	SINGAPERUMALKOIL	Semi-Critical
4081	Tamil Nadu	Chengalpattu	SUNAMPEDU	Safe
4082	Tamil Nadu	Chengalpattu	TAMBARAM	Safe
4083	Tamil Nadu	Chengalpattu	THIRUKAZHUKUNDRA M	Critical
4084	Tamil Nadu	Chengalpattu	THIRUPORUR	Safe
4085	Tamil Nadu	Chengalpattu	VAIYAVUR	Safe
4086	Tamil Nadu	Chengalpattu	VANDALUR	Semi-Critical
4087	Tamil Nadu	Chennai	ALANTHUR	Safe
4088	Tamil Nadu	Chennai	AMBATTUR	Over-Exploited
4089	Tamil Nadu	Chennai	EGMORE - NUNGAMBAKKA-I	Over-Exploited
4090	Tamil Nadu	Chennai	EGMORE - NUNGAMBAKKA-II	Over-Exploited
4091	Tamil Nadu	Chennai	EGMORE - NUNGAMBAKKA-III	Over-Exploited
4092	Tamil Nadu	Chennai	EGMORE - NUNGAMBAKKA-IV	Over-Exploited
4093	Tamil Nadu	Chennai	KORATTUR	Over-Exploited
4094	Tamil Nadu	Chennai	KOTTAI - THONDIARPET-I	Over-Exploited
4095	Tamil Nadu	Chennai	KOTTAI - THONDIARPET-II	Over-Exploited
4096	Tamil Nadu	Chennai	KOTTAI - THONDIARPET-III	Over-Exploited
4097	Tamil Nadu	Chennai	KOTTAI - THONDIARPET-IV	Over-Exploited
4098	Tamil Nadu	Chennai	MADHAVARAM	Semi-Critical
4099	Tamil Nadu	Chennai	MADURAVOIL	Over-Exploited
4100	Tamil Nadu	Chennai	MAMBALAM - GUINDY- I	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4101	Tamil Nadu	Chennai	MAMBALAM - GUINDY- II	Over-Exploited
4102	Tamil Nadu	Chennai	MAMBALAM - GUINDY- III	Over-Exploited
4103	Tamil Nadu	Chennai	MAMBALAM - GUINDY- IV	Over-Exploited
4104	Tamil Nadu	Chennai	MANALI	Over-Exploited
4105	Tamil Nadu	Chennai	MYLAPORE - TIRUVALLI- I	Over-Exploited
4106	Tamil Nadu	Chennai	MYLAPORE - TIRUVALLI- II	Over-Exploited
4107	Tamil Nadu	Chennai	MYLAPORE - TIRUVALLI- III	Over-Exploited
4108	Tamil Nadu	Chennai	MYLAPORE - TIRUVALLI- IV	Over-Exploited
4109	Tamil Nadu	Chennai	PALLIKARANAI	Safe
4110	Tamil Nadu	Chennai	PORUR	Over-Exploited
4111	Tamil Nadu	Chennai	PURASAWALKAM - PERA-I	Over-Exploited
4112	Tamil Nadu	Chennai	PURASAWALKAM - PERA-II	Over-Exploited
4113	Tamil Nadu	Chennai	PURASAWALKAM - PERA-III	Over-Exploited
4114	Tamil Nadu	Chennai	PURASAWALKAM - PERA-IV	Over-Exploited
4115	Tamil Nadu	Chennai	SHOLINGANALLUR	Safe
4116	Tamil Nadu	Chennai	THIRUVOTTIYUR	Over-Exploited
4117	Tamil Nadu	Coimbatore	ALANDURAI	Over-Exploited
4118	Tamil Nadu	Coimbatore	ANAMALAI	Semi-Critical
4119	Tamil Nadu	Coimbatore	ANNUR(N)	Over-Exploited
4120	Tamil Nadu	Coimbatore	ANNUR(S)	Over-Exploited
4121	Tamil Nadu	Coimbatore	ANUPPARPALAYAM	Over-Exploited
4122	Tamil Nadu	Coimbatore	COIMBATORE	Over-Exploited
4123	Tamil Nadu	Coimbatore	GANAPATHI	Over-Exploited
4124	Tamil Nadu	Coimbatore	KARAMADAI	Over-Exploited
4125	Tamil Nadu	Coimbatore	KARUMATHAMPATTI	Over-Exploited
4126	Tamil Nadu	Coimbatore	KINATHUKATAVU	Over-Exploited
4127	Tamil Nadu	Coimbatore	KOLARPATTI	Over-Exploited
4128	Tamil Nadu	Coimbatore	KOTTUR	Critical
4129	Tamil Nadu	Coimbatore	KOVILPALAYAM	Over-Exploited
4130	Tamil Nadu	Coimbatore	KUNIAMUTHUR	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4131	Tamil Nadu	Coimbatore	KURICHI	Semi-Critical
4132	Tamil Nadu	Coimbatore	MADAMPATTI	Over-Exploited
4133	Tamil Nadu	Coimbatore	MADUKKARAI	Over-Exploited
4134	Tamil Nadu	Coimbatore	MARCHINAICKENPALA YAM	Semi-Critical
4135	Tamil Nadu	Coimbatore	METTUPALAYAM	Over-Exploited
4136	Tamil Nadu	Coimbatore	OTTAKKAL MANDABAM	Over-Exploited
4137	Tamil Nadu	Coimbatore	PERIANEGAMAM	Over-Exploited
4138	Tamil Nadu	Coimbatore	PERIYANAICKENPALAY AM	Over-Exploited
4139	Tamil Nadu	Coimbatore	PERUR	Over-Exploited
4140	Tamil Nadu	Coimbatore	POLLACHI(N)	Over-Exploited
4141	Tamil Nadu	Coimbatore	POLLACHI(S)	Over-Exploited
4142	Tamil Nadu	Coimbatore	RAMAPATTINAM	Over-Exploited
4143	Tamil Nadu	Coimbatore	SARAVANAMPATTI	Over-Exploited
4144	Tamil Nadu	Coimbatore	SARKAR SAMAKULAM	Over-Exploited
4145	Tamil Nadu	Coimbatore	SELAKKARICHAL	Over-Exploited
4146	Tamil Nadu	Coimbatore	SINGANALLUR	Over-Exploited
4147	Tamil Nadu	Coimbatore	SULUR	Critical
4148	Tamil Nadu	Coimbatore	THIRUMALAIAMPALAY AM	Over-Exploited
4149	Tamil Nadu	Coimbatore	THONDAMUTHUR	Over-Exploited
4150	Tamil Nadu	Coimbatore	THUDIALUR	Semi-Critical
4151	Tamil Nadu	Coimbatore	VADACHITTUR	Over-Exploited
4152	Tamil Nadu	Coimbatore	VADAVALLI	Over-Exploited
4153	Tamil Nadu	Coimbatore	VALPARAI	Safe
4154	Tamil Nadu	Coimbatore	VARAPATTI	Over-Exploited
4155	Tamil Nadu	Cuddalore	BHUVANAGIRI	Safe
4156	Tamil Nadu	Cuddalore	CHIDAMBARAM	Safe
4157	Tamil Nadu	Cuddalore	KADAMPULIYUR	Semi-Critical
4158	Tamil Nadu	Cuddalore	KAMMAPURAM (E)	Over-Exploited
4159	Tamil Nadu	Cuddalore	KAMMAPURAM (W)	Over-Exploited
4160	Tamil Nadu	Cuddalore	KATTUMANNARKOIL	Safe
4161	Tamil Nadu	Cuddalore	KOMANGALAM	Safe
4162	Tamil Nadu	Cuddalore	KULLANCHAVADI	Semi-Critical
4163	Tamil Nadu	Cuddalore	KUMARACHI	Safe
4164	Tamil Nadu	Cuddalore	KURINJIPADI	Semi-Critical
4165	Tamil Nadu	Cuddalore	MANJAKUPPAM	Semi-Critical
4166	Tamil Nadu	Cuddalore	MARUNGUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4167	Tamil Nadu	Cuddalore	NELLIKUPPAM	Over-Exploited
4168	Tamil Nadu	Cuddalore	ORATHUR	Safe
4169	Tamil Nadu	Cuddalore	PANRUTI	Semi-Critical
4170	Tamil Nadu	Cuddalore	PARANGIPETTAI	Safe
4171	Tamil Nadu	Cuddalore	PENNADAM	Over-Exploited
4172	Tamil Nadu	Cuddalore	PUTHUR	Safe
4173	Tamil Nadu	Cuddalore	RETTICHAVADI	Over-Exploited
4174	Tamil Nadu	Cuddalore	SETHIYATHOPPU	Safe
4175	Tamil Nadu	Cuddalore	SIRUPAKKAM	Semi-Critical
4176	Tamil Nadu	Cuddalore	SRIMUSHNAM	Safe
4177	Tamil Nadu	Cuddalore	THIRUVAKULAM	Safe
4178	Tamil Nadu	Cuddalore	THIRUVANTHIPURAM	Semi-Critical
4179	Tamil Nadu	Cuddalore	THOZHUDUR	Critical
4180	Tamil Nadu	Cuddalore	TITTAGUDI (E)	Semi-Critical
4181	Tamil Nadu	Cuddalore	TITTAGUDI (W)	Semi-Critical
4182	Tamil Nadu	Cuddalore	UDAIYARKUDI	Semi-Critical
4183	Tamil Nadu	Cuddalore	UMANGALAM	Semi-Critical
4184	Tamil Nadu	Cuddalore	VEPPUR	Safe
4185	Tamil Nadu	Cuddalore	VIRUDHACHALAM(N)	Semi-Critical
4186	Tamil Nadu	Cuddalore	VIRUDHACHALAM(S)	Over-Exploited
4187	Tamil Nadu	Dharmapuri	BOMMIDI	Over-Exploited
4188	Tamil Nadu	Dharmapuri	DHARMAPURI	Semi-Critical
4189	Tamil Nadu	Dharmapuri	HARUR	Semi-Critical
4190	Tamil Nadu	Dharmapuri	INDUR	Over-Exploited
4191	Tamil Nadu	Dharmapuri	KADATHUR	Over-Exploited
4192	Tamil Nadu	Dharmapuri	KAMBAINALLUR	Over-Exploited
4193	Tamil Nadu	Dharmapuri	KARIMANGALAM	Over-Exploited
4194	Tamil Nadu	Dharmapuri	KRISHNAPURAM	Semi-Critical
4195	Tamil Nadu	Dharmapuri	MARANDAHALLI	Over-Exploited
4196	Tamil Nadu	Dharmapuri	MORAPPUR	Semi-Critical
4197	Tamil Nadu	Dharmapuri	NALLAMPALLI	Semi-Critical
4198	Tamil Nadu	Dharmapuri	PALACODE	Semi-Critical
4199	Tamil Nadu	Dharmapuri	PALAYAM	Over-Exploited
4200	Tamil Nadu	Dharmapuri	PAPPARAPATTY	Over-Exploited
4201	Tamil Nadu	Dharmapuri	PAPPIREDDIPATTY	Semi-Critical
4202	Tamil Nadu	Dharmapuri	PENNAGARAM	Over-Exploited
4203	Tamil Nadu	Dharmapuri	PERIANAHALLI	Over-Exploited
4204	Tamil Nadu	Dharmapuri	PERUMBALAI	Over-Exploited
4205	Tamil Nadu	Dharmapuri	PULIKARAI	Over-Exploited
4206	Tamil Nadu	Dharmapuri	SUNJALNATHAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4207	Tamil Nadu	Dharmapuri	THEERTHAMALAI	Safe
4208	Tamil Nadu	Dharmapuri	THENKARAIKOTTAI	Over-Exploited
4209	Tamil Nadu	Dharmapuri	VELLICHANDAI	Over-Exploited
4210	Tamil Nadu	Dindigul	ATHOOR	Critical
4211	Tamil Nadu	Dindigul	AYAKUDI	Over-Exploited
4212	Tamil Nadu	Dindigul	AYYALUR	Over-Exploited
4213	Tamil Nadu	Dindigul	AYYAMPALAYAM	Over-Exploited
4214	Tamil Nadu	Dindigul	CHINNAKKAMPATTI	Over-Exploited
4215	Tamil Nadu	Dindigul	CHINNALPATTI	Over-Exploited
4216	Tamil Nadu	Dindigul	DEVATHUR	Over-Exploited
4217	Tamil Nadu	Dindigul	DHARMATHUPATTI	Over-Exploited
4218	Tamil Nadu	Dindigul	DINDIGUL EAST	Semi-Critical
4219	Tamil Nadu	Dindigul	DINDIGUL WEST	Over-Exploited
4220	Tamil Nadu	Dindigul	ERIODU	Over-Exploited
4221	Tamil Nadu	Dindigul	KALLIMANTHAYAM	Over-Exploited
4222	Tamil Nadu	Dindigul	KAMBILIAMPATTI	Critical
4223	Tamil Nadu	Dindigul	KODIAKANAL	Safe
4224	Tamil Nadu	Dindigul	KORIKADAVU	Critical
4225	Tamil Nadu	Dindigul	KOTTANATHAM	Over-Exploited
4226	Tamil Nadu	Dindigul	KOVILUR	Over-Exploited
4227	Tamil Nadu	Dindigul	NATHAM	Semi-Critical
4228	Tamil Nadu	Dindigul	NEIKKARAPATTAI	Critical
4229	Tamil Nadu	Dindigul	NILAKOTTAI	Over-Exploited
4230	Tamil Nadu	Dindigul	ODDANCHATHRAM	Over-Exploited
4231	Tamil Nadu	Dindigul	ORUTHATTU	Over-Exploited
4232	Tamil Nadu	Dindigul	PALAKKANOOTHU	Over-Exploited
4233	Tamil Nadu	Dindigul	PALANI	Safe
4234	Tamil Nadu	Dindigul	PALAYAM	Over-Exploited
4235	Tamil Nadu	Dindigul	PANNAIKADU	Safe
4236	Tamil Nadu	Dindigul	PAPPAMPATTI	Semi-Critical
4237	Tamil Nadu	Dindigul	PILLAIYARNATHAM	Critical
4238	Tamil Nadu	Dindigul	PULIYURNATHAM	Over-Exploited
4239	Tamil Nadu	Dindigul	REDDIAPATTI	Semi-Critical
4240	Tamil Nadu	Dindigul	REDDIARCHATRAM	Over-Exploited
4241	Tamil Nadu	Dindigul	SENTHURAI	Semi-Critical
4242	Tamil Nadu	Dindigul	SHANARPATTI	Over-Exploited
4243	Tamil Nadu	Dindigul	SILVATHUR	Over-Exploited
4244	Tamil Nadu	Dindigul	THANDIKUDI	Safe
4245	Tamil Nadu	Dindigul	THOPPAMPATTI	Over-Exploited
4246	Tamil Nadu	Dindigul	VADAMADURAI	Over-Exploited
4247	Tamil Nadu	Dindigul	VATLAGUNDU	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4248	Tamil Nadu	Dindigul	VEDASANDUR	Over-Exploited
4249	Tamil Nadu	Dindigul	VIRUVEEDU	Over-Exploited
4250	Tamil Nadu	Erode	AMMAPETTAI	Critical
4251	Tamil Nadu	Erode	ANTHIYUR	Over-Exploited
4252	Tamil Nadu	Erode	ARACHALUR	Over-Exploited
4253	Tamil Nadu	Erode	ARASUR	Over-Exploited
4254	Tamil Nadu	Erode	ATHANI	Over-Exploited
4255	Tamil Nadu	Erode	BHAVANI	Semi-Critical
4256	Tamil Nadu	Erode	BHAVANISAGAR	Over-Exploited
4257	Tamil Nadu	Erode	BURGUR	Safe
4258	Tamil Nadu	Erode	CHENNIMALAI	Over-Exploited
4259	Tamil Nadu	Erode	ELATHUR	Over-Exploited
4260	Tamil Nadu	Erode	ERODE EAST	Over-Exploited
4261	Tamil Nadu	Erode	ERODE NORTH	Over-Exploited
4262	Tamil Nadu	Erode	ERODE WEST	Over-Exploited
4263	Tamil Nadu	Erode	GOBICHETTIPALAYAM	Safe
4264	Tamil Nadu	Erode	KANJIKOIL	Semi-Critical
4265	Tamil Nadu	Erode	KASIPALAYAM	Over-Exploited
4266	Tamil Nadu	Erode	KAVANDAPADI	Semi-Critical
4267	Tamil Nadu	Erode	KILAMPADI	Over-Exploited
4268	Tamil Nadu	Erode	KODUMUDI	Over-Exploited
4269	Tamil Nadu	Erode	KUGALUR	Safe
4270	Tamil Nadu	Erode	KURICHI	Semi-Critical
4271	Tamil Nadu	Erode	KUTHIYALATHUR	Semi-Critical
4272	Tamil Nadu	Erode	MODAKURICHI	Over-Exploited
4273	Tamil Nadu	Erode	NAMBIYUR	Over-Exploited
4274	Tamil Nadu	Erode	PERUNDURAI	Over-Exploited
4275	Tamil Nadu	Erode	POONDURAI	Semi-Critical
4276	Tamil Nadu	Erode	PUNJAIPULIAMPATTI	Over-Exploited
4277	Tamil Nadu	Erode	SATHYAMANGALAM	Over-Exploited
4278	Tamil Nadu	Erode	SIRUVALUR	Semi-Critical
4279	Tamil Nadu	Erode	SIVAGIRI	Semi-Critical
4280	Tamil Nadu	Erode	THALAVADI	Semi-Critical
4281	Tamil Nadu	Erode	THINGALUR	Over-Exploited
4282	Tamil Nadu	Erode	VANIPUTHUR	Semi-Critical
4283	Tamil Nadu	Erode	VELLODE	Over-Exploited
4284	Tamil Nadu	Kallakkurichi	ALATHAUR	Semi-Critical
4285	Tamil Nadu	Kallakkurichi	ARIYALUR(V)	Safe
4286	Tamil Nadu	Kallakkurichi	CHINNASSELAM	Critical
4287	Tamil Nadu	Kallakkurichi	ELAVANASURKOTTAI	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4288	Tamil Nadu	Kallakkurichi	ERAIYUR	Over-Exploited
4289	Tamil Nadu	Kallakkurichi	INDILI	Over-Exploited
4290	Tamil Nadu	Kallakkurichi	KALAMARUDUR	Critical
4291	Tamil Nadu	Kallakkurichi	KALLAKURICHI	Critical
4292	Tamil Nadu	Kallakkurichi	KALVARAYAN MALAI	Critical
4293	Tamil Nadu	Kallakkurichi	MANALURPETTAI	Semi-Critical
4294	Tamil Nadu	Kallakkurichi	NAGALUR	Critical
4295	Tamil Nadu	Kallakkurichi	NAINARPALAYAM	Over-Exploited
4296	Tamil Nadu	Kallakkurichi	RISHIVANDHIYAM	Safe
4297	Tamil Nadu	Kallakkurichi	SANKARAPURAM	Semi-Critical
4298	Tamil Nadu	Kallakkurichi	SENGURICHI	Semi-Critical
4299	Tamil Nadu	Kallakkurichi	THIRUKOILUR	Safe
4300	Tamil Nadu	Kallakkurichi	THIRUNAVALLUR	Safe
4301	Tamil Nadu	Kallakkurichi	THIRUPPALAPANDAL	Over-Exploited
4302	Tamil Nadu	Kallakkurichi	THIYAGADURGAM	Over-Exploited
4303	Tamil Nadu	Kallakkurichi	ULUNDURPETTAI	Critical
4304	Tamil Nadu	Kallakkurichi	VADAKANANDAL	Semi-Critical
4305	Tamil Nadu	Kallakkurichi	VADAPONPARAPI	Safe
4306	Tamil Nadu	Kallakkurichi	VELLIMALAI	Safe
4307	Tamil Nadu	Kancheepuram	ARUMPULIYUR	Over-Exploited
4308	Tamil Nadu	Kancheepuram	CHITTIAMBAKKAM	Safe
4309	Tamil Nadu	Kancheepuram	GOVINDHAVADI	Critical
4310	Tamil Nadu	Kancheepuram	KALIYAMPOONDI	Semi-Critical
4311	Tamil Nadu	Kancheepuram	KANCHEEPURAM	Safe
4312	Tamil Nadu	Kancheepuram	KOLLAPAKKAM	Semi-Critical
4313	Tamil Nadu	Kancheepuram	KUNNAVAKKAM	Semi-Critical
4314	Tamil Nadu	Kancheepuram	KUNRATHUR	Safe
4315	Tamil Nadu	Kancheepuram	MADURAMANGALAM	Safe
4316	Tamil Nadu	Kancheepuram	MAHARAL	Safe
4317	Tamil Nadu	Kancheepuram	MANGADU	Safe
4318	Tamil Nadu	Kancheepuram	PADAPPAI	Safe
4319	Tamil Nadu	Kancheepuram	PARANDUR	Safe
4320	Tamil Nadu	Kancheepuram	SALAVAKKAM	Safe
4321	Tamil Nadu	Kancheepuram	SERAPPANACHERI	Safe
4322	Tamil Nadu	Kancheepuram	SIRUKAVERIPAKKAM	Semi-Critical
4323	Tamil Nadu	Kancheepuram	SRIPERUMPUDUR	Safe
4324	Tamil Nadu	Kancheepuram	SUNKUVARCHATRAM	Safe
4325	Tamil Nadu	Kancheepuram	THANDALAM	Safe
4326	Tamil Nadu	Kancheepuram	THENNERI	Safe
4327	Tamil Nadu	Kancheepuram	THIRUPPU KUZHI	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4328	Tamil Nadu	Kancheepuram	THIRUPULIVANAM	Over-Exploited
4329	Tamil Nadu	Kancheepuram	UTHIRAMERUR	Semi-Critical
4330	Tamil Nadu	Kancheepuram	VALLAM	Safe
4331	Tamil Nadu	Kancheepuram	WALAJABAD	Over-Exploited
4332	Tamil Nadu	Kanniyakumari	ARUMANAI	Safe
4333	Tamil Nadu	Kanniyakumari	AZHAIPANDIPURAM	Safe
4334	Tamil Nadu	Kanniyakumari	BHOOTHAPANDY	Safe
4335	Tamil Nadu	Kanniyakumari	COLACHEL	Safe
4336	Tamil Nadu	Kanniyakumari	EDAICODE	Safe
4337	Tamil Nadu	Kanniyakumari	KANNIYAKUMARI	Safe
4338	Tamil Nadu	Kanniyakumari	KULASEKARAM	Safe
4339	Tamil Nadu	Kanniyakumari	KURUNTHENCODE	Safe
4340	Tamil Nadu	Kanniyakumari	MIDALAM	Safe
4341	Tamil Nadu	Kanniyakumari	NAGERCOIL	Safe
4342	Tamil Nadu	Kanniyakumari	PAINKULAM	Safe
4343	Tamil Nadu	Kanniyakumari	RAJAKKAMANGALAM	Semi-Critical
4344	Tamil Nadu	Kanniyakumari	SUCHINDRAM	Safe
4345	Tamil Nadu	Kanniyakumari	THIRUVATTAR	Safe
4346	Tamil Nadu	Kanniyakumari	THIRUVITHANCODE	Safe
4347	Tamil Nadu	Kanniyakumari	THOVALAI	Safe
4348	Tamil Nadu	Kanniyakumari	THUCKALAY	Safe
4349	Tamil Nadu	Kanniyakumari	VILAVANCODE	Safe
4350	Tamil Nadu	Karur	ARAVAKURICHI	Semi-Critical
4351	Tamil Nadu	Karur	CHINNADHARAPURAM	Semi-Critical
4352	Tamil Nadu	Karur	CHINTHALAVADI	Semi-Critical
4353	Tamil Nadu	Karur	K.PARAMATHY	Over-Exploited
4354	Tamil Nadu	Karur	KADAVUR	Over-Exploited
4355	Tamil Nadu	Karur	KARUR	Over-Exploited
4356	Tamil Nadu	Karur	KATTALAI	Over-Exploited
4357	Tamil Nadu	Karur	KULITHALAI	Safe
4358	Tamil Nadu	Karur	MAILAMPATTI	Over-Exploited
4359	Tamil Nadu	Karur	MANMANGALAM	Semi-Critical
4360	Tamil Nadu	Karur	NANGAVARAM	Safe
4361	Tamil Nadu	Karur	PALLAPATTI	Over-Exploited
4362	Tamil Nadu	Karur	PANJAPATTI	Over-Exploited
4363	Tamil Nadu	Karur	PUGALUR	Over-Exploited
4364	Tamil Nadu	Karur	THALAPATTI	Over-Exploited
4365	Tamil Nadu	Karur	THENNILAI	Over-Exploited
4366	Tamil Nadu	Karur	THOGAIMALAI	Over-Exploited
4367	Tamil Nadu	Karur	THORANAKALPATTI	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4368	Tamil Nadu	Karur	VANGAL	Over-Exploited
4369	Tamil Nadu	Karur	VELLIYANAI	Over-Exploited
4370	Tamil Nadu	Krishnagiri	ALAPATTI	Over-Exploited
4371	Tamil Nadu	Krishnagiri	ANDEVANAPALLI	Safe
4372	Tamil Nadu	Krishnagiri	ANJETTI	Safe
4373	Tamil Nadu	Krishnagiri	BAGALUR	Semi-Critical
4374	Tamil Nadu	Krishnagiri	BARGUR	Over-Exploited
4375	Tamil Nadu	Krishnagiri	BARUR	Safe
4376	Tamil Nadu	Krishnagiri	BERIGAI	Over-Exploited
4377	Tamil Nadu	Krishnagiri	DENKANIKOTTA	Safe
4378	Tamil Nadu	Krishnagiri	GURUPARAPALLI	Over-Exploited
4379	Tamil Nadu	Krishnagiri	HOSUR	Semi-Critical
4380	Tamil Nadu	Krishnagiri	KAKKADASAM	Safe
4381	Tamil Nadu	Krishnagiri	KALLAVI	Over-Exploited
4382	Tamil Nadu	Krishnagiri	KAVERIPATTINAM	Safe
4383	Tamil Nadu	Krishnagiri	KELAMANGALAM	Semi-Critical
4384	Tamil Nadu	Krishnagiri	KRISHNAGIRI	Semi-Critical
4385	Tamil Nadu	Krishnagiri	MATHIGIRI	Semi-Critical
4386	Tamil Nadu	Krishnagiri	MATHUR	Over-Exploited
4387	Tamil Nadu	Krishnagiri	NAGARASAMPATTI	Over-Exploited
4388	Tamil Nadu	Krishnagiri	PALEPALLI	Over-Exploited
4389	Tamil Nadu	Krishnagiri	PERIYAMUTHUR	Semi-Critical
4390	Tamil Nadu	Krishnagiri	POCHAMPALLI	Semi-Critical
4391	Tamil Nadu	Krishnagiri	RAYAKOTTAI	Critical
4392	Tamil Nadu	Krishnagiri	SAMALPATTI	Over-Exploited
4393	Tamil Nadu	Krishnagiri	SHOOLAGIRI	Safe
4394	Tamil Nadu	Krishnagiri	SINGARAPETTAI	Over-Exploited
4395	Tamil Nadu	Krishnagiri	THALLY	Safe
4396	Tamil Nadu	Krishnagiri	UTHANAPALLI	Safe
4397	Tamil Nadu	Krishnagiri	UTHANGARAI	Over-Exploited
4398	Tamil Nadu	Krishnagiri	VEPPANAPALLI	Over-Exploited
4399	Tamil Nadu	Madurai	A.VELLALAPATTI	Over-Exploited
4400	Tamil Nadu	Madurai	ALANGANALLUR	Safe
4401	Tamil Nadu	Madurai	APPAN THIRUPATHI	Safe
4402	Tamil Nadu	Madurai	ARUMABANUR	Safe
4403	Tamil Nadu	Madurai	ATHIPATTI	Safe
4404	Tamil Nadu	Madurai	AVANIYAPURAM	Safe
4405	Tamil Nadu	Madurai	CHATHRAPATTI	Safe
4406	Tamil Nadu	Madurai	ELUMALAI	Semi-Critical
4407	Tamil Nadu	Madurai	KALLANDHIRI	Safe
4408	Tamil Nadu	Madurai	KALLIGUDI	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4409	Tamil Nadu	Madurai	KARUMATHUR	Critical
4410	Tamil Nadu	Madurai	KARUNGALAKUDI	Safe
4411	Tamil Nadu	Madurai	KEELAVALLAVU	Safe
4412	Tamil Nadu	Madurai	KOKKULAM	Over-Exploited
4413	Tamil Nadu	Madurai	KOOLAPANDI	Safe
4414	Tamil Nadu	Madurai	KOTTAMPATTI	Over-Exploited
4415	Tamil Nadu	Madurai	KULAMANGALAM	Safe
4416	Tamil Nadu	Madurai	KUNNATHUR	Safe
4417	Tamil Nadu	Madurai	KURAIYUR	Safe
4418	Tamil Nadu	Madurai	MADURAI EAST	Semi-Critical
4419	Tamil Nadu	Madurai	MADURAI WEST	Critical
4420	Tamil Nadu	Madurai	MELAVALLAVU	Safe
4421	Tamil Nadu	Madurai	MELUR	Safe
4422	Tamil Nadu	Madurai	MOTHAGAM	Safe
4423	Tamil Nadu	Madurai	MUDUVARPATTI	Over-Exploited
4424	Tamil Nadu	Madurai	NAGAMALALI PUDUKOTTA	Over-Exploited
4425	Tamil Nadu	Madurai	NEERATHAN	Safe
4426	Tamil Nadu	Madurai	OTHAKKADAI	Safe
4427	Tamil Nadu	Madurai	PALAMEDU	Over-Exploited
4428	Tamil Nadu	Madurai	PANNIKKUNDU	Semi-Critical
4429	Tamil Nadu	Madurai	PERAIYUR	Semi-Critical
4430	Tamil Nadu	Madurai	RAJAKKUR	Safe
4431	Tamil Nadu	Madurai	SAKKIMANGALAM	Safe
4432	Tamil Nadu	Madurai	SAMAYANALLUR	Safe
4433	Tamil Nadu	Madurai	SATHAMANGALAM	Safe
4434	Tamil Nadu	Madurai	SEDAPATTI	Over-Exploited
4435	Tamil Nadu	Madurai	SINDHUPATTI	Over-Exploited
4436	Tamil Nadu	Madurai	SIVARAKKOTTAI	Safe
4437	Tamil Nadu	Madurai	SOLAVANDHAN	Safe
4438	Tamil Nadu	Madurai	T.KALLUPATTI	Safe
4439	Tamil Nadu	Madurai	THANICHIAM	Safe
4440	Tamil Nadu	Madurai	THENKARAI	Safe
4441	Tamil Nadu	Madurai	THIRUMANGALAM	Critical
4442	Tamil Nadu	Madurai	THIRUPPARAN KUNDRAM	Safe
4443	Tamil Nadu	Madurai	THIRUVATHAVUR	Safe
4444	Tamil Nadu	Madurai	USILAMPATTI	Over-Exploited
4445	Tamil Nadu	Madurai	UTHAPPANAICKANUR	Over-Exploited
4446	Tamil Nadu	Madurai	VALANTHUR	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4447	Tamil Nadu	Madurai	VALAYANKULAM	Semi-Critical
4448	Tamil Nadu	Madurai	VELLALUR	Over-Exploited
4449	Tamil Nadu	Madurai	VIRATHANUR	Safe
4450	Tamil Nadu	Nagapattinam	KANGALANCHERI	Saline
4451	Tamil Nadu	Nagapattinam	KARIYAPATTINAM	Saline
4452	Tamil Nadu	Nagapattinam	KEELAIYUR	Saline
4453	Tamil Nadu	Nagapattinam	KILVELUR	Saline
4454	Tamil Nadu	Nagapattinam	KUTTALAM	Over-Exploited
4455	Tamil Nadu	Nagapattinam	MADHANAM	Over-Exploited
4456	Tamil Nadu	Nagapattinam	MANALMEDU	Safe
4457	Tamil Nadu	Nagapattinam	MANGANALLUR	Over-Exploited
4458	Tamil Nadu	Nagapattinam	MAYILADUTHURAI	Over-Exploited
4459	Tamil Nadu	Nagapattinam	MELAIYUR	Over-Exploited
4460	Tamil Nadu	Nagapattinam	NAGAPPATTINAM	Saline
4461	Tamil Nadu	Nagapattinam	NIRMULAI	Saline
4462	Tamil Nadu	Nagapattinam	PALAIYUR	Over-Exploited
4463	Tamil Nadu	Nagapattinam	PATAVARTHI	Over-Exploited
4464	Tamil Nadu	Nagapattinam	PUTHUR	Over-Exploited
4465	Tamil Nadu	Nagapattinam	SEMBANARKOIL	Over-Exploited
4466	Tamil Nadu	Nagapattinam	SIRKALI	Over-Exploited
4467	Tamil Nadu	Nagapattinam	THAGATUR	Saline
4468	Tamil Nadu	Nagapattinam	THALAINAYAR	Saline
4469	Tamil Nadu	Nagapattinam	THERKUPOIGAINALLUR	Saline
4470	Tamil Nadu	Nagapattinam	THEVOOR	Saline
4471	Tamil Nadu	Nagapattinam	THILLAYADI	Saline
4472	Tamil Nadu	Nagapattinam	THIRUKANNAPURAM	Saline
4473	Tamil Nadu	Nagapattinam	THIRUKKUALAI	Saline
4474	Tamil Nadu	Nagapattinam	THIRUMARUGAL	Saline
4475	Tamil Nadu	Nagapattinam	THIRUVENKADU	Over-Exploited
4476	Tamil Nadu	Nagapattinam	THIRUVILAIYATTAM	Over-Exploited
4477	Tamil Nadu	Nagapattinam	VAITHEESWARAN KOIL	Over-Exploited
4478	Tamil Nadu	Nagapattinam	VALIVALAM	Saline
4479	Tamil Nadu	Nagapattinam	VEDARANYAM	Saline
4480	Tamil Nadu	Nagapattinam	VELANGANNI	Saline
4481	Tamil Nadu	Namakkal	ALANGANATHAM	Over-Exploited
4482	Tamil Nadu	Namakkal	ELACHIPALAYAM	Critical
4483	Tamil Nadu	Namakkal	ERUMAIPATTI	Over-Exploited
4484	Tamil Nadu	Namakkal	JEDARPALAYAM	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4485	Tamil Nadu	Namakkal	KALAPPANAIKANPATTI	Over-Exploited
4486	Tamil Nadu	Namakkal	KUMARAPALAYAM	Over-Exploited
4487	Tamil Nadu	Namakkal	MALLASAMUDRAM	Over-Exploited
4488	Tamil Nadu	Namakkal	MANGALAPURAM	Over-Exploited
4489	Tamil Nadu	Namakkal	MANICKAMPALAYAM	Semi-Critical
4490	Tamil Nadu	Namakkal	MOHANUR	Over-Exploited
4491	Tamil Nadu	Namakkal	MOLASI	Semi-Critical
4492	Tamil Nadu	Namakkal	MULLUKURICHI	Over-Exploited
4493	Tamil Nadu	Namakkal	NALLIPALAYAM	Over-Exploited
4494	Tamil Nadu	Namakkal	NALLUR	Over-Exploited
4495	Tamil Nadu	Namakkal	NAMAGIRIPETTAI	Over-Exploited
4496	Tamil Nadu	Namakkal	NAMAKKAL	Over-Exploited
4497	Tamil Nadu	Namakkal	PALLAPATTI	Semi-Critical
4498	Tamil Nadu	Namakkal	PALLIPALAYAM	Safe
4499	Tamil Nadu	Namakkal	PANDAMANGALAM	Over-Exploited
4500	Tamil Nadu	Namakkal	PARAMATHI	Over-Exploited
4501	Tamil Nadu	Namakkal	PUDUCHATRAM	Over-Exploited
4502	Tamil Nadu	Namakkal	RASIPURAM	Over-Exploited
4503	Tamil Nadu	Namakkal	SELLAPPAMPATTI	Over-Exploited
4504	Tamil Nadu	Namakkal	SENTHAMAGALAM	Over-Exploited
4505	Tamil Nadu	Namakkal	THIRUPULI NADU	Safe
4506	Tamil Nadu	Namakkal	TIRUCHENGODE	Over-Exploited
4507	Tamil Nadu	Namakkal	VAIYAPPAMALAI	Over-Exploited
4508	Tamil Nadu	Namakkal	VALAIYAPATTI	Over-Exploited
4509	Tamil Nadu	Namakkal	VALAVANTHI NADU	Safe
4510	Tamil Nadu	Namakkal	VENNANDUR	Over-Exploited
4511	Tamil Nadu	Perambalur	CHETTIKULAM	Over-Exploited
4512	Tamil Nadu	Perambalur	KEELAPULIYUR	Over-Exploited
4513	Tamil Nadu	Perambalur	KOLAKANATHAM	Safe
4514	Tamil Nadu	Perambalur	KOOTHUR	Semi-Critical
4515	Tamil Nadu	Perambalur	KURUMBALUR	Over-Exploited
4516	Tamil Nadu	Perambalur	PASUMBALUR	Over-Exploited
4517	Tamil Nadu	Perambalur	PERAMBALUR	Over-Exploited
4518	Tamil Nadu	Perambalur	VADAKKALUR	Safe
4519	Tamil Nadu	Perambalur	VALIKANDAPURAM	Over-Exploited
4520	Tamil Nadu	Perambalur	VARAGUR	Safe
4521	Tamil Nadu	Perambalur	VENGALAM	Over-Exploited
4522	Tamil Nadu	Pudukkottai	ALANGUDI	Safe
4523	Tamil Nadu	Pudukkottai	ARANTHANGI	Safe
4524	Tamil Nadu	Pudukkottai	ARASAMALAI	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4525	Tamil Nadu	Pudukkottai	ARASARKULAM	Semi-Critical
4526	Tamil Nadu	Pudukkottai	ATHANI	Safe
4527	Tamil Nadu	Pudukkottai	AVUDAIYARKOIL	Safe
4528	Tamil Nadu	Pudukkottai	EMBAL	Safe
4529	Tamil Nadu	Pudukkottai	GANDARVAKOTTAI	Safe
4530	Tamil Nadu	Pudukkottai	ILLUPPUR	Safe
4531	Tamil Nadu	Pudukkottai	KALLAKKOTTAI	Safe
4532	Tamil Nadu	Pudukkottai	KARAIYUR	Semi-Critical
4533	Tamil Nadu	Pudukkottai	KARAMBAKUDI	Safe
4534	Tamil Nadu	Pudukkottai	KEELANILAI	Safe
4535	Tamil Nadu	Pudukkottai	KEERAMANGALAM	Semi-Critical
4536	Tamil Nadu	Pudukkottai	KEERANUR	Safe
4537	Tamil Nadu	Pudukkottai	KILLUKKOTTAI	Safe
4538	Tamil Nadu	Pudukkottai	KODUMBALUR	Semi-Critical
4539	Tamil Nadu	Pudukkottai	KOTTAIPATTINAM	Saline
4540	Tamil Nadu	Pudukkottai	KOTTUR	Semi-Critical
4541	Tamil Nadu	Pudukkottai	KUDUMIYANMALAI	Safe
4542	Tamil Nadu	Pudukkottai	KUNNANDARKOIL	Safe
4543	Tamil Nadu	Pudukkottai	MALAIYUR	Safe
4544	Tamil Nadu	Pudukkottai	MANAMELKUDI	Safe
4545	Tamil Nadu	Pudukkottai	MATHOOR	Safe
4546	Tamil Nadu	Pudukkottai	MIMISAL	Safe
4547	Tamil Nadu	Pudukkottai	NAGUDI	Safe
4548	Tamil Nadu	Pudukkottai	NARTHAMALAI	Semi-Critical
4549	Tamil Nadu	Pudukkottai	NEERPALANI	Safe
4550	Tamil Nadu	Pudukkottai	PERUMARUTHUR	Saline
4551	Tamil Nadu	Pudukkottai	PONNAMARAVATHY	Semi-Critical
4552	Tamil Nadu	Pudukkottai	PONPETTE	Safe
4553	Tamil Nadu	Pudukkottai	POOVATHAKUDI	Safe
4554	Tamil Nadu	Pudukkottai	PUDUKKOTTAI	Safe
4555	Tamil Nadu	Pudukkottai	PUDUNAGAR	Safe
4556	Tamil Nadu	Pudukkottai	SENGEERAI	Safe
4557	Tamil Nadu	Pudukkottai	SILATTUR	Safe
4558	Tamil Nadu	Pudukkottai	SINKAVANAM	Saline
4559	Tamil Nadu	Pudukkottai	SITHANAVASAL	Safe
4560	Tamil Nadu	Pudukkottai	THIRUMAYAM	Safe
4561	Tamil Nadu	Pudukkottai	VALLANADU	Safe
4562	Tamil Nadu	Pudukkottai	VARAPPUR	Safe
4563	Tamil Nadu	Pudukkottai	VEERAPATTY	Safe
4564	Tamil Nadu	Pudukkottai	VENNAVALKUDI	Semi-Critical
4565	Tamil Nadu	Pudukkottai	VIRACHILAI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4566	Tamil Nadu	Pudukkottai	VIRALIMALAI	Semi-Critical
4567	Tamil Nadu	Ramanathapuram	AANANDHUR	Safe
4568	Tamil Nadu	Ramanathapuram	AAPPANUR	Safe
4569	Tamil Nadu	Ramanathapuram	ABIRAMAM	Safe
4570	Tamil Nadu	Ramanathapuram	BOGALUR	Safe
4571	Tamil Nadu	Ramanathapuram	DEVIPATTINAM	Safe
4572	Tamil Nadu	Ramanathapuram	KADALADI	Saline
4573	Tamil Nadu	Ramanathapuram	KAKKUR	Safe
4574	Tamil Nadu	Ramanathapuram	KAMUTHI EAST	Safe
4575	Tamil Nadu	Ramanathapuram	KAMUTHI WEST	Safe
4576	Tamil Nadu	Ramanathapuram	KEELAKKARAI	Safe
4577	Tamil Nadu	Ramanathapuram	KEELATHUVAL	Safe
4578	Tamil Nadu	Ramanathapuram	KILIYUR	Safe
4579	Tamil Nadu	Ramanathapuram	KOVILANKULAM	Safe
4580	Tamil Nadu	Ramanathapuram	MANDAPAM	Safe
4581	Tamil Nadu	Ramanathapuram	MANGALAKUDI	Saline
4582	Tamil Nadu	Ramanathapuram	MANJUR	Safe
4583	Tamil Nadu	Ramanathapuram	MELACHELVANUR	Saline
4584	Tamil Nadu	Ramanathapuram	MELAKODUMALUR	Safe
4585	Tamil Nadu	Ramanathapuram	MUDUKULATHUR NORTH	Safe
4586	Tamil Nadu	Ramanathapuram	MUDUKULATHUR SOUTH	Saline

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4587	Tamil Nadu	Ramanathapuram	NAINARKOIL	Safe
4588	Tamil Nadu	Ramanathapuram	PARAMAKUDI	Safe
4589	Tamil Nadu	Ramanathapuram	PARTHIPANOOR	Safe
4590	Tamil Nadu	Ramanathapuram	PERUNAAZHI	Safe
4591	Tamil Nadu	Ramanathapuram	PERUNKULAM	Safe
4592	Tamil Nadu	Ramanathapuram	PULLUR	Safe
4593	Tamil Nadu	Ramanathapuram	R.S.MANGALAM	Safe
4594	Tamil Nadu	Ramanathapuram	RAMANATHAPURAM	Safe
4595	Tamil Nadu	Ramanathapuram	RAMESWARAM	Safe
4596	Tamil Nadu	Ramanathapuram	S.THARAIKUDI	Saline
4597	Tamil Nadu	Ramanathapuram	SAYALKUDI	Saline
4598	Tamil Nadu	Ramanathapuram	SHOLANDHUR	Safe
4599	Tamil Nadu	Ramanathapuram	SIKKAL	Saline
4600	Tamil Nadu	Ramanathapuram	T.U.MANGAI	Safe
4601	Tamil Nadu	Ramanathapuram	THERIRUVELI	Safe
4602	Tamil Nadu	Ramanathapuram	THIRUPULLANI	Saline
4603	Tamil Nadu	Ramanathapuram	THIRUVADANI	Safe
4604	Tamil Nadu	Ramanathapuram	THONDI	Saline
4605	Tamil Nadu	Ranipet	ARAKONAM(NORTH)	Safe
4606	Tamil Nadu	Ranipet	ARAKONAM(SOUTH)	Semi-Critical
4607	Tamil Nadu	Ranipet	ARCOT	Over-Exploited
4608	Tamil Nadu	Ranipet	BANAVARAM	Semi-Critical
4609	Tamil Nadu	Ranipet	KALAVAI	Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4610	Tamil Nadu	Ranipet	KAVERIPAKKAM	Semi-Critical
4611	Tamil Nadu	Ranipet	MAMBAKKAM	Semi-Critical
4612	Tamil Nadu	Ranipet	NEMILI(V)	Critical
4613	Tamil Nadu	Ranipet	PALLUR	Semi-Critical
4614	Tamil Nadu	Ranipet	PANAPAKKAM	Semi-Critical
4615	Tamil Nadu	Ranipet	PARANJI	Semi-Critical
4616	Tamil Nadu	Ranipet	PUDUPADI	Over-Exploited
4617	Tamil Nadu	Ranipet	RANIPET	Semi-Critical
4618	Tamil Nadu	Ranipet	SHOLINGHUR	Semi-Critical
4619	Tamil Nadu	Ranipet	TIMIRI	Over-Exploited
4620	Tamil Nadu	Ranipet	VELAM	Semi-Critical
4621	Tamil Nadu	Ranipet	VISHARAM	Semi-Critical
4622	Tamil Nadu	Ranipet	WALAJAH	Over-Exploited
4623	Tamil Nadu	Salem	ALAGAPURAM	Over-Exploited
4624	Tamil Nadu	Salem	ARUNOOTHUMALAI	Safe
4625	Tamil Nadu	Salem	ATTUR	Over-Exploited
4626	Tamil Nadu	Salem	BELUR	Over-Exploited
4627	Tamil Nadu	Salem	EDAPPADI	Over-Exploited
4628	Tamil Nadu	Salem	ERNAPURAM	Over-Exploited
4629	Tamil Nadu	Salem	GANGAVALLI	Over-Exploited
4630	Tamil Nadu	Salem	KADAYAMPATTI	Over-Exploited
4631	Tamil Nadu	Salem	KALRAYANMALAI	Safe
4632	Tamil Nadu	Salem	KARIPPATTI	Over-Exploited
4633	Tamil Nadu	Salem	KARUPUR	Critical
4634	Tamil Nadu	Salem	KATTUKKOTTAI	Over-Exploited
4635	Tamil Nadu	Salem	KOLATHUR	Semi-Critical
4636	Tamil Nadu	Salem	KONDALAMPATTI	Over-Exploited
4637	Tamil Nadu	Salem	KONGANAPURAM	Over-Exploited
4638	Tamil Nadu	Salem	MALLIYAKARAI	Over-Exploited
4639	Tamil Nadu	Salem	MECHERI	Over-Exploited
4640	Tamil Nadu	Salem	METTUR	Over-Exploited
4641	Tamil Nadu	Salem	NANGAVALLI	Over-Exploited
4642	Tamil Nadu	Salem	OMALUR	Over-Exploited
4643	Tamil Nadu	Salem	PALAMALAI	Over-Exploited
4644	Tamil Nadu	Salem	PANAMARATHUPPATTI	Critical
4645	Tamil Nadu	Salem	PATCHAMALAI	Semi-Critical
4646	Tamil Nadu	Salem	PETHANAICKANPALAY AM	Over-Exploited
4647	Tamil Nadu	Salem	POOLAMPATTI	Over-Exploited
4648	Tamil Nadu	Salem	POTTANERI	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4649	Tamil Nadu	Salem	PUTHUR	Safe
4650	Tamil Nadu	Salem	SALEM TOWN	Over-Exploited
4651	Tamil Nadu	Salem	SANKARI EAST	Over-Exploited
4652	Tamil Nadu	Salem	SANKARI WEST	Over-Exploited
4653	Tamil Nadu	Salem	SEMMANDAPPATTI	Over-Exploited
4654	Tamil Nadu	Salem	SURAMANGALAM	Over-Exploited
4655	Tamil Nadu	Salem	THALAIVASAL	Over-Exploited
4656	Tamil Nadu	Salem	THARAMANGALAM	Over-Exploited
4657	Tamil Nadu	Salem	THEVUR	Safe
4658	Tamil Nadu	Salem	THIRUMALAIGIRI	Over-Exploited
4659	Tamil Nadu	Salem	VALASAIYUR	Over-Exploited
4660	Tamil Nadu	Salem	VAZHAPPADI	Over-Exploited
4661	Tamil Nadu	Salem	VEERAGANOR	Over-Exploited
4662	Tamil Nadu	Salem	VEERAPANDI	Over-Exploited
4663	Tamil Nadu	Salem	VELLAKKADAI	Safe
4664	Tamil Nadu	Salem	VEMBADITHALAM	Over-Exploited
4665	Tamil Nadu	Salem	YERCAUD	Safe
4666	Tamil Nadu	Salem	YETHAPUR	Over-Exploited
4667	Tamil Nadu	Sivaganga	A.THIRUVUDUIR PURAM	Safe
4668	Tamil Nadu	Sivaganga	DEVAKOTTAI	Safe
4669	Tamil Nadu	Sivaganga	ILAYANGUDI	Safe
4670	Tamil Nadu	Sivaganga	ILAYATHAKUDI	Safe
4671	Tamil Nadu	Sivaganga	KALAYARKOVIL	Safe
4672	Tamil Nadu	Sivaganga	KALLAL	Safe
4673	Tamil Nadu	Sivaganga	KANDADEV	Safe
4674	Tamil Nadu	Sivaganga	KANNANGUDI	Safe
4675	Tamil Nadu	Sivaganga	KARAIKUDI	Safe
4676	Tamil Nadu	Sivaganga	KONTHAGAI	Safe
4677	Tamil Nadu	Sivaganga	MALLAL	Safe
4678	Tamil Nadu	Sivaganga	MANAMADURAI	Safe
4679	Tamil Nadu	Sivaganga	MARAVAMANGALAM	Safe
4680	Tamil Nadu	Sivaganga	MATHAGUPATTI	Safe
4681	Tamil Nadu	Sivaganga	MITHRAVAYAL	Safe
4682	Tamil Nadu	Sivaganga	MUTHANENTHAL	Safe
4683	Tamil Nadu	Sivaganga	NATCHIYAPURAM	Safe
4684	Tamil Nadu	Sivaganga	NATTARASANKOTTAI	Safe
4685	Tamil Nadu	Sivaganga	NERKUPPAI	Safe
4686	Tamil Nadu	Sivaganga	OKKUR	Safe
4687	Tamil Nadu	Sivaganga	PALLATHUR	Safe
4688	Tamil Nadu	Sivaganga	PERIAKOTTAI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4689	Tamil Nadu	Sivaganga	PUZHIAL	Safe
4690	Tamil Nadu	Sivaganga	S.S.KOTTAI	Safe
4691	Tamil Nadu	Sivaganga	SAKKOTTAI	Safe
4692	Tamil Nadu	Sivaganga	SALAIGRAMAM	Safe
4693	Tamil Nadu	Sivaganga	SARUGANI	Safe
4694	Tamil Nadu	Sivaganga	SEIKALATHUR	Safe
4695	Tamil Nadu	Sivaganga	SILUKKAPATTI	Safe
4696	Tamil Nadu	Sivaganga	SINGAMPUNARI	Safe
4697	Tamil Nadu	Sivaganga	SIVAGANGAI	Safe
4698	Tamil Nadu	Sivaganga	SOORANAM	Safe
4699	Tamil Nadu	Sivaganga	THAMARAKKI	Safe
4700	Tamil Nadu	Sivaganga	THAYAMANGALAM	Safe
4701	Tamil Nadu	Sivaganga	THIRUKOSTIYUR	Safe
4702	Tamil Nadu	Sivaganga	THIRUPPACHETHY	Safe
4703	Tamil Nadu	Sivaganga	THIRUPPATHUR	Safe
4704	Tamil Nadu	Sivaganga	THIRUPPUVANAM	Safe
4705	Tamil Nadu	Sivaganga	VARAPPUR	Safe
4706	Tamil Nadu	Tenkasi	ALANKULAM	Semi-Critical
4707	Tamil Nadu	Tenkasi	ALWARKURICHI	Safe
4708	Tamil Nadu	Tenkasi	AYIKUDI	Over-Exploited
4709	Tamil Nadu	Tenkasi	ELATHUR	Safe
4710	Tamil Nadu	Tenkasi	GUDALUR	Over-Exploited
4711	Tamil Nadu	Tenkasi	KADAYAM	Safe
4712	Tamil Nadu	Tenkasi	KADAYANALLUR	Semi-Critical
4713	Tamil Nadu	Tenkasi	KALLURANI	Over-Exploited
4714	Tamil Nadu	Tenkasi	KARISAL KULAM	Over-Exploited
4715	Tamil Nadu	Tenkasi	KARIVAKLAMVANDAN ALLUR	Over-Exploited
4716	Tamil Nadu	Tenkasi	KARUVANTHA	Over-Exploited
4717	Tamil Nadu	Tenkasi	KEEZHAPAVOOR	Over-Exploited
4718	Tamil Nadu	Tenkasi	KURUKKALPATTI	Over-Exploited
4719	Tamil Nadu	Tenkasi	NETTUR	Over-Exploited
4720	Tamil Nadu	Tenkasi	PANPOLI	Safe
4721	Tamil Nadu	Tenkasi	PAPPAKUDI	Safe
4722	Tamil Nadu	Tenkasi	PAZHANKOTTAI	Over-Exploited
4723	Tamil Nadu	Tenkasi	PUDUPATTI	Safe
4724	Tamil Nadu	Tenkasi	PULIYANKUDI	Over-Exploited
4725	Tamil Nadu	Tenkasi	SANKARANKOIL	Over-Exploited
4726	Tamil Nadu	Tenkasi	SCHENCOTTAI	Safe
4727	Tamil Nadu	Tenkasi	SERNTHAMANGALAM	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4728	Tamil Nadu	Tenkasi	SIVAKIRI	Safe
4729	Tamil Nadu	Tenkasi	SURANDAI	Over-Exploited
4730	Tamil Nadu	Tenkasi	TENKASI	Safe
4731	Tamil Nadu	Tenkasi	THIRUVENGADDEM	Semi-Critical
4732	Tamil Nadu	Tenkasi	UTHUMALAI	Over-Exploited
4733	Tamil Nadu	Tenkasi	VASUDEVANALLUR	Semi-Critical
4734	Tamil Nadu	Tenkasi	VEERAKERALAMPUDU R	Critical
4735	Tamil Nadu	Tenkasi	VEERASIGAMANI	Over-Exploited
4736	Tamil Nadu	Tenkasi	VENKADAMPATTI	Over-Exploited
4737	Tamil Nadu	Thanjavur	ADIRAMPATTINAM	Over-Exploited
4738	Tamil Nadu	Thanjavur	ADUTHURAI	Over-Exploited
4739	Tamil Nadu	Thanjavur	AGARAPETTAI	Over-Exploited
4740	Tamil Nadu	Thanjavur	AMMAPET	Over-Exploited
4741	Tamil Nadu	Thanjavur	ANDIKKADU	Over-Exploited
4742	Tamil Nadu	Thanjavur	AVANAM	Over-Exploited
4743	Tamil Nadu	Thanjavur	AYYAMPETTAI	Over-Exploited
4744	Tamil Nadu	Thanjavur	BUDALUR	Semi-Critical
4745	Tamil Nadu	Thanjavur	CHOLANMALIGAI	Safe
4746	Tamil Nadu	Thanjavur	DEVANANCHERI	Over-Exploited
4747	Tamil Nadu	Thanjavur	EACHANKOTTAI	Safe
4748	Tamil Nadu	Thanjavur	KABISTHALAM	Over-Exploited
4749	Tamil Nadu	Thanjavur	KANDIYUR	Over-Exploited
4750	Tamil Nadu	Thanjavur	KATHIRAMANGALAM	Over-Exploited
4751	Tamil Nadu	Thanjavur	KAVALIPATTI	Over-Exploited
4752	Tamil Nadu	Thanjavur	KUMBAKONAM	Over-Exploited
4753	Tamil Nadu	Thanjavur	KURICHI	Semi-Critical
4754	Tamil Nadu	Thanjavur	KURUVIKARAMBAI	Over-Exploited
4755	Tamil Nadu	Thanjavur	MADUKKUR	Over-Exploited
4756	Tamil Nadu	Thanjavur	MELATTUR	Over-Exploited
4757	Tamil Nadu	Thanjavur	MURUKKANGUDI	Over-Exploited
4758	Tamil Nadu	Thanjavur	NACHIYARKOIL	Over-Exploited
4759	Tamil Nadu	Thanjavur	NADUKAVERI	Over-Exploited
4760	Tamil Nadu	Thanjavur	NAMBIVAYAL	Critical
4761	Tamil Nadu	Thanjavur	NANJIKOTTAI	Over-Exploited
4762	Tamil Nadu	Thanjavur	ORATHANAD	Semi-Critical
4763	Tamil Nadu	Thanjavur	PANDANALLUR	Over-Exploited
4764	Tamil Nadu	Thanjavur	PAPANASAM	Over-Exploited
4765	Tamil Nadu	Thanjavur	PATTUKKOTTAI	Over-Exploited
4766	Tamil Nadu	Thanjavur	PERAMBUR	Semi-Critical
4767	Tamil Nadu	Thanjavur	PERAVURANI	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4768	Tamil Nadu	Thanjavur	PERIYAKOTTAI	Critical
4769	Tamil Nadu	Thanjavur	PERUMAGALUR	Safe
4770	Tamil Nadu	Thanjavur	RAMAPURAM	Over-Exploited
4771	Tamil Nadu	Thanjavur	SALIYAMANGALAM	Semi-Critical
4772	Tamil Nadu	Thanjavur	SENGIPATTI	Safe
4773	Tamil Nadu	Thanjavur	SILLATHUR	Over-Exploited
4774	Tamil Nadu	Thanjavur	THAMBIKOTTAI	Critical
4775	Tamil Nadu	Thanjavur	THANJAVUR	Semi-Critical
4776	Tamil Nadu	Thanjavur	THEKKUR	Semi-Critical
4777	Tamil Nadu	Thanjavur	THIRUKKATTUPALLI	Over-Exploited
4778	Tamil Nadu	Thanjavur	THIRUMANGALAKOTTAI	Over-Exploited
4779	Tamil Nadu	Thanjavur	THIRUVAIYARU	Over-Exploited
4780	Tamil Nadu	Thanjavur	THIRUVIDAMARUDUR	Over-Exploited
4781	Tamil Nadu	Thanjavur	THONDARAMPATTU	Over-Exploited
4782	Tamil Nadu	Thanjavur	THUVARANKURICHI	Over-Exploited
4783	Tamil Nadu	Thanjavur	TIRUCHITRAMBALAM	Over-Exploited
4784	Tamil Nadu	Thanjavur	TIRUPPANANDAL	Over-Exploited
4785	Tamil Nadu	Thanjavur	ULUR	Critical
4786	Tamil Nadu	Thanjavur	VALLAM	Over-Exploited
4787	Tamil Nadu	The Nilgiris	CHERAMBADI	Safe
4788	Tamil Nadu	The Nilgiris	COONOOR	Safe
4789	Tamil Nadu	The Nilgiris	DEVARSHOLA	Safe
4790	Tamil Nadu	The Nilgiris	GUDALUR	Safe
4791	Tamil Nadu	The Nilgiris	ITHALAR	Semi-Critical
4792	Tamil Nadu	The Nilgiris	KETTI	Safe
4793	Tamil Nadu	The Nilgiris	KILKOTAGIRI	Safe
4794	Tamil Nadu	The Nilgiris	KOTAGIRI	Safe
4795	Tamil Nadu	The Nilgiris	KUNDAH	Semi-Critical
4796	Tamil Nadu	The Nilgiris	MELUR	Safe
4797	Tamil Nadu	The Nilgiris	NEDUGULA	Safe
4798	Tamil Nadu	The Nilgiris	PANDALUR	Safe
4799	Tamil Nadu	The Nilgiris	SHOLUR	Safe
4800	Tamil Nadu	The Nilgiris	THUNERI	Safe
4801	Tamil Nadu	The Nilgiris	UDHAGA MANDALAM	Safe
4802	Tamil Nadu	Theni	ANDIPATTI	Semi-Critical
4803	Tamil Nadu	Theni	BODINAYAKANUR	Safe
4804	Tamil Nadu	Theni	CHINNAMANUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4805	Tamil Nadu	Theni	CUMBAM	Safe
4806	Tamil Nadu	Theni	DEVATHANAPATTI	Semi-Critical
4807	Tamil Nadu	Theni	ERASAKKANAICKANUR	Over-Exploited
4808	Tamil Nadu	Theni	KANDAMANUR	Critical
4809	Tamil Nadu	Theni	KODANGIPATTI	Semi-Critical
4810	Tamil Nadu	Theni	KODIVILARPATTI	Semi-Critical
4811	Tamil Nadu	Theni	MARKAYANKOTTAI	Safe
4812	Tamil Nadu	Theni	MAYLADUMPARAI	Semi-Critical
4813	Tamil Nadu	Theni	RAJATHANI	Critical
4814	Tamil Nadu	Theni	RASINGAPURAM	Safe
4815	Tamil Nadu	Theni	THENI	Semi-Critical
4816	Tamil Nadu	Theni	THENKARAI	Semi-Critical
4817	Tamil Nadu	Theni	THEVARAM	Over-Exploited
4818	Tamil Nadu	Theni	UTHAMAPALAYAM	Semi-Critical
4819	Tamil Nadu	Thiruvallur	AMMANAMBAKKAM	Safe
4820	Tamil Nadu	Thiruvallur	ARANI	Safe
4821	Tamil Nadu	Thiruvallur	AVADI	Over-Exploited
4822	Tamil Nadu	Thiruvallur	BALAPURAM	Semi-Critical
4823	Tamil Nadu	Thiruvallur	CHERUKKANNOOR	Semi-Critical
4824	Tamil Nadu	Thiruvallur	ELAVUR	Safe
4825	Tamil Nadu	Thiruvallur	ERUMBI	Semi-Critical
4826	Tamil Nadu	Thiruvallur	GNAYIRU	Safe
4827	Tamil Nadu	Thiruvallur	GUMMIDIPOONDI	Safe
4828	Tamil Nadu	Thiruvallur	KADAMBATHUR	Safe
4829	Tamil Nadu	Thiruvallur	KANAGAMMACHATTRAM	Semi-Critical
4830	Tamil Nadu	Thiruvallur	KANNIGAIPAIR	Semi-Critical
4831	Tamil Nadu	Thiruvallur	KATTUR	Safe
4832	Tamil Nadu	Thiruvallur	KOLUR	Safe
4833	Tamil Nadu	Thiruvallur	MADHARPAKKAM	Safe
4834	Tamil Nadu	Thiruvallur	MANAVOR	Semi-Critical
4835	Tamil Nadu	Thiruvallur	MAPPEDU	Semi-Critical
4836	Tamil Nadu	Thiruvallur	MINJUR	Saline
4837	Tamil Nadu	Thiruvallur	MORAI	Semi-Critical
4838	Tamil Nadu	Thiruvallur	NEMAM	Semi-Critical
4839	Tamil Nadu	Thiruvallur	PALLIPATTU	Semi-Critical
4840	Tamil Nadu	Thiruvallur	PANDUR	Safe
4841	Tamil Nadu	Thiruvallur	PENNALURPETT	Safe
4842	Tamil Nadu	Thiruvallur	PERIYAPALAYAM	Safe
4843	Tamil Nadu	Thiruvallur	PONNERI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4844	Tamil Nadu	Thiruvallur	POONAMALLEE	Over-Exploited
4845	Tamil Nadu	Thiruvallur	POONDI	Semi-Critical
4846	Tamil Nadu	Thiruvallur	POONIMANGADU	Semi-Critical
4847	Tamil Nadu	Thiruvallur	POOVALAMBEDU	Safe
4848	Tamil Nadu	Thiruvallur	POTHATTUR PETTAI	Safe
4849	Tamil Nadu	Thiruvallur	PUZHAL	Semi-Critical
4850	Tamil Nadu	Thiruvallur	R.K.PET	Over-Exploited
4851	Tamil Nadu	Thiruvallur	SHOLAVARAM	Safe
4852	Tamil Nadu	Thiruvallur	THIRUMAZHISAI	Semi-Critical
4853	Tamil Nadu	Thiruvallur	THIRUMULLAIVOYIL	Over-Exploited
4854	Tamil Nadu	Thiruvallur	THIRUNINRAVUR	Over-Exploited
4855	Tamil Nadu	Thiruvallur	THIRUPALAIVANAM	Safe
4856	Tamil Nadu	Thiruvallur	THIRUVALANGADU	Safe
4857	Tamil Nadu	Thiruvallur	THIRUVALLUR	Safe
4858	Tamil Nadu	Thiruvallur	TIRUR	Semi-Critical
4859	Tamil Nadu	Thiruvallur	TIRUTTANI	Critical
4860	Tamil Nadu	Thiruvallur	UTHUKKOTTAI	Semi-Critical
4861	Tamil Nadu	Thiruvallur	VELAKAPURAM	Safe
4862	Tamil Nadu	Thiruvallur	VELLANUR	Over-Exploited
4863	Tamil Nadu	Thiruvallur	VELLIYUR	Semi-Critical
4864	Tamil Nadu	Thiruvallur	VENGATHUR	Critical
4865	Tamil Nadu	Thiruvallur	VOYALANALLUR	Over-Exploited
4866	Tamil Nadu	Thiruvarur	AGARATHIRUMALAM	Over-Exploited
4867	Tamil Nadu	Thiruvarur	ALANGUDI	Over-Exploited
4868	Tamil Nadu	Thiruvarur	ALATHAMPADI	Saline
4869	Tamil Nadu	Thiruvarur	AVOOR	Over-Exploited
4870	Tamil Nadu	Thiruvarur	EDAIYUR	Saline
4871	Tamil Nadu	Thiruvarur	KODAVASAL	Over-Exploited
4872	Tamil Nadu	Thiruvarur	KOOTHANALLUR	Semi-Critical
4873	Tamil Nadu	Thiruvarur	KORADACHERI	Over-Exploited
4874	Tamil Nadu	Thiruvarur	KOTTUR	Safe
4875	Tamil Nadu	Thiruvarur	KULIKKARAI	Over-Exploited
4876	Tamil Nadu	Thiruvarur	KUNNIYUR	Safe
4877	Tamil Nadu	Thiruvarur	MANNARGUDI	Safe
4878	Tamil Nadu	Thiruvarur	MUTHUPET	Saline
4879	Tamil Nadu	Thiruvarur	NANNILAM	Semi-Critical
4880	Tamil Nadu	Thiruvarur	NIDAMANGALAM	Safe
4881	Tamil Nadu	Thiruvarur	PALAIYUR	Safe
4882	Tamil Nadu	Thiruvarur	PERALAM	Over-Exploited
4883	Tamil Nadu	Thiruvarur	SANNANALLUR	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4884	Tamil Nadu	Thiruvarur	THALAIYAMANGALAM	Safe
4885	Tamil Nadu	Thiruvarur	THIRUKKANNAMANGAI	Over-Exploited
4886	Tamil Nadu	Thiruvarur	THIRUTHURAIPOONDI	Saline
4887	Tamil Nadu	Thiruvarur	THIRUVARUR	Safe
4888	Tamil Nadu	Thiruvarur	THIRUVIZHIMAZHALAI	Over-Exploited
4889	Tamil Nadu	Thiruvarur	ULLIKOTTAI	Safe
4890	Tamil Nadu	Thiruvarur	VADAPATHIMANGALAM	Critical
4891	Tamil Nadu	Thiruvarur	VADUVUR	Safe
4892	Tamil Nadu	Thiruvarur	VALANGAIMAN	Over-Exploited
4893	Tamil Nadu	Thoothukkudi	ALWARTHIRUNAGARI	Safe
4894	Tamil Nadu	Thoothukkudi	ARUMUGAMANGALAM	Safe
4895	Tamil Nadu	Thoothukkudi	AUTHOOR	Safe
4896	Tamil Nadu	Thoothukkudi	CHOLAPURAM	Safe
4897	Tamil Nadu	Thoothukkudi	DEIVASEYALPURAM	Safe
4898	Tamil Nadu	Thoothukkudi	EPPODUMVENDRAN	Safe
4899	Tamil Nadu	Thoothukkudi	ETTAYAPURAM	Safe
4900	Tamil Nadu	Thoothukkudi	ILAYARASANENDAL	Over-Exploited
4901	Tamil Nadu	Thoothukkudi	KADALIYUR	Safe
4902	Tamil Nadu	Thoothukkudi	KADALKUDI	Safe
4903	Tamil Nadu	Thoothukkudi	KADAMBUR	Safe
4904	Tamil Nadu	Thoothukkudi	KALUGUMALAI	Safe
4905	Tamil Nadu	Thoothukkudi	KAMANAICKENPATTI	Safe
4906	Tamil Nadu	Thoothukkudi	KAYATHAR	Semi-Critical
4907	Tamil Nadu	Thoothukkudi	KEELATHATTAPARAI	Safe
4908	Tamil Nadu	Thoothukkudi	KOVILPATTI	Safe
4909	Tamil Nadu	Thoothukkudi	KULATHUR	Safe
4910	Tamil Nadu	Thoothukkudi	MANIYACHI	Safe
4911	Tamil Nadu	Thoothukkudi	MUDIVAITHANENDAL	Safe
4912	Tamil Nadu	Thoothukkudi	MUTHULAPURAM	Safe
4913	Tamil Nadu	Thoothukkudi	NALLATINPUTHUR	Safe
4914	Tamil Nadu	Thoothukkudi	OTTAPIDARAM	Safe
4915	Tamil Nadu	Thoothukkudi	PADARNTHAPULI	Safe
4916	Tamil Nadu	Thoothukkudi	PALLAKURICHI	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4917	Tamil Nadu	Thoothukkudi	PARIVALLIKOTTAI	Critical
4918	Tamil Nadu	Thoothukkudi	PASUVANTHANAI	Safe
4919	Tamil Nadu	Thoothukkudi	PERUNGULAM	Safe
4920	Tamil Nadu	Thoothukkudi	PUDUKOTTAI	Safe
4921	Tamil Nadu	Thoothukkudi	PUDUR	Safe
4922	Tamil Nadu	Thoothukkudi	SATTANKULAM	Semi-Critical
4923	Tamil Nadu	Thoothukkudi	SEIDUNGANALLUR	Safe
4924	Tamil Nadu	Thoothukkudi	SIVAGNANAPURAM	Safe
4925	Tamil Nadu	Thoothukkudi	SRIVAIKUNDAM	Safe
4926	Tamil Nadu	Thoothukkudi	SRIVENKATESWARAPU RAM	Safe
4927	Tamil Nadu	Thoothukkudi	THOOTHUKUDI	Safe
4928	Tamil Nadu	Thoothukkudi	TIRUCHENDUR	Safe
4929	Tamil Nadu	Thoothukkudi	UDANGUDI	Over-Exploited
4930	Tamil Nadu	Thoothukkudi	VALLANAD	Safe
4931	Tamil Nadu	Thoothukkudi	VEDANATHAM	Safe
4932	Tamil Nadu	Thoothukkudi	VEMBAR	Safe
4933	Tamil Nadu	Thoothukkudi	VILATHIKULAM	Safe
4934	Tamil Nadu	Tiruchirappalli	AAMUR	Safe
4935	Tamil Nadu	Tiruchirappalli	ANBIL	Safe
4936	Tamil Nadu	Tiruchirappalli	ANDANALLUR	Safe
4937	Tamil Nadu	Tiruchirappalli	EALURPATTI	Semi-Critical
4938	Tamil Nadu	Tiruchirappalli	ERAGUDI	Over-Exploited
4939	Tamil Nadu	Tiruchirappalli	KALLAKKUDI	Safe
4940	Tamil Nadu	Tiruchirappalli	KANNANUR	Over-Exploited
4941	Tamil Nadu	Tiruchirappalli	KARIYAMANICKAM	Over-Exploited
4942	Tamil Nadu	Tiruchirappalli	KATTUPUTHUR	Semi-Critical
4943	Tamil Nadu	Tiruchirappalli	KOPPAMPATTI	Over-Exploited
4944	Tamil Nadu	Tiruchirappalli	KULUMANI	Safe
4945	Tamil Nadu	Tiruchirappalli	LALGUDI	Safe
4946	Tamil Nadu	Tiruchirappalli	MANAPPARAI	Over-Exploited
4947	Tamil Nadu	Tiruchirappalli	MANIKANDAM	Over-Exploited
4948	Tamil Nadu	Tiruchirappalli	MANNACHANALLUR	Semi-Critical
4949	Tamil Nadu	Tiruchirappalli	MARUNGAPURI	Over-Exploited
4950	Tamil Nadu	Tiruchirappalli	MUSIRI	Semi-Critical
4951	Tamil Nadu	Tiruchirappalli	NAVALPATTU	Safe
4952	Tamil Nadu	Tiruchirappalli	PANNAPPATTI	Over-Exploited
4953	Tamil Nadu	Tiruchirappalli	PERUVALPUR	Semi-Critical
4954	Tamil Nadu	Tiruchirappalli	PULIVALAM	Over-Exploited
4955	Tamil Nadu	Tiruchirappalli	PULLAMBADI	Safe
4956	Tamil Nadu	Tiruchirappalli	SENGATTUPPATTI	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4957	Tamil Nadu	Tiruchirappalli	SIRUGAMBUR	Semi-Critical
4958	Tamil Nadu	Tiruchirappalli	SOMARASANPETTAI	Safe
4959	Tamil Nadu	Tiruchirappalli	SRIRANGAM	Safe
4960	Tamil Nadu	Tiruchirappalli	THATHAIYANGARPETTAI	Over-Exploited
4961	Tamil Nadu	Tiruchirappalli	THOTTIYAM	Semi-Critical
4962	Tamil Nadu	Tiruchirappalli	THUMBALAM	Over-Exploited
4963	Tamil Nadu	Tiruchirappalli	THURAIYUR	Over-Exploited
4964	Tamil Nadu	Tiruchirappalli	THUVARANGURICHI	Over-Exploited
4965	Tamil Nadu	Tiruchirappalli	TIRUVERUMBUR	Safe
4966	Tamil Nadu	Tiruchirappalli	TRICHY EAST TALUK -T	Safe
4967	Tamil Nadu	Tiruchirappalli	TRICHY EAST TALUK-TR	Safe
4968	Tamil Nadu	Tiruchirappalli	TRICHY WEST TALUK-TR	Safe
4969	Tamil Nadu	Tiruchirappalli	TRICHY WEST TALUK-TR	Safe
4970	Tamil Nadu	Tiruchirappalli	UPPILIYAPURAM	Critical
4971	Tamil Nadu	Tiruchirappalli	V.PERIYAPATTI	Over-Exploited
4972	Tamil Nadu	Tiruchirappalli	VAIYAMPATTI	Over-Exploited
4973	Tamil Nadu	Tiruchirappalli	VALADI	Safe
4974	Tamil Nadu	Tiruchirappalli	VALAIEDUPPU	Over-Exploited
4975	Tamil Nadu	Tiruchirappalli	VALANADU	Semi-Critical
4976	Tamil Nadu	Tiruchirappalli	VENGUR	Safe
4977	Tamil Nadu	Tirunelveli	AMBASAMUDRAM	Safe
4978	Tamil Nadu	Tirunelveli	CHERANMAHADEVI	Safe
4979	Tamil Nadu	Tirunelveli	ERUVADI	Safe
4980	Tamil Nadu	Tirunelveli	GANGAIKONDAN	Safe
4981	Tamil Nadu	Tirunelveli	KALAKADU	Safe
4982	Tamil Nadu	Tirunelveli	LEVINJIPURAM	Semi-Critical
4983	Tamil Nadu	Tirunelveli	MADHAVAKURICHI	Safe
4984	Tamil Nadu	Tirunelveli	MANUR	Semi-Critical
4985	Tamil Nadu	Tirunelveli	MELAPATTAM	Safe
4986	Tamil Nadu	Tirunelveli	MELASAVAI	Safe
4987	Tamil Nadu	Tirunelveli	MOOLAKARAIPATTI	Semi-Critical
4988	Tamil Nadu	Tirunelveli	MUKKUDAL	Safe
4989	Tamil Nadu	Tirunelveli	MUNEER PALLAM	Safe
4990	Tamil Nadu	Tirunelveli	NANGUNERI	Safe
4991	Tamil Nadu	Tirunelveli	NARANAMMALPURAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
4992	Tamil Nadu	Tirunelveli	PALAYAMKOTTAI	Safe
4993	Tamil Nadu	Tirunelveli	PANAGUDI	Safe
4994	Tamil Nadu	Tirunelveli	PAZHAVOOR	Over-Exploited
4995	Tamil Nadu	Tirunelveli	POOLAM	Safe
4996	Tamil Nadu	Tirunelveli	RADHAPURAM	Critical
4997	Tamil Nadu	Tirunelveli	SAMUGARENGAPURAM	Safe
4998	Tamil Nadu	Tirunelveli	SINGAMPATTI	Safe
4999	Tamil Nadu	Tirunelveli	SIVANTHIPATTI	Semi-Critical
5000	Tamil Nadu	Tirunelveli	THALAIYUTHU	Semi-Critical
5001	Tamil Nadu	Tirunelveli	TIRUNELVELI	Safe
5002	Tamil Nadu	Tirunelveli	TISAYANVILAI	Safe
5003	Tamil Nadu	Tirunelveli	VALLIYOOR	Safe
5004	Tamil Nadu	Tirunelveli	VANNIKONENTHAL	Over-Exploited
5005	Tamil Nadu	Tirunelveli	VIJAYANARAYANAPURAM	Semi-Critical
5006	Tamil Nadu	Tirupathur	ALANGAYAM	Critical
5007	Tamil Nadu	Tirupathur	AMBALUR	Semi-Critical
5008	Tamil Nadu	Tirupathur	AMMANANKOIL	Over-Exploited
5009	Tamil Nadu	Tirupathur	ANDIYAPPANUR	Critical
5010	Tamil Nadu	Tirupathur	JOLARPET	Semi-Critical
5011	Tamil Nadu	Tirupathur	KANDHILI	Over-Exploited
5012	Tamil Nadu	Tirupathur	KORATTI	Over-Exploited
5013	Tamil Nadu	Tirupathur	NATRAMPALLI	Over-Exploited
5014	Tamil Nadu	Tirupathur	PUDURNADU	Semi-Critical
5015	Tamil Nadu	Tirupathur	TIRUPATHUR	Over-Exploited
5016	Tamil Nadu	Tirupathur	VANIYAMBADI	Over-Exploited
5017	Tamil Nadu	Tiruppur	ALANGIYAM	Critical
5018	Tamil Nadu	Tiruppur	AVINASHI(E)	Over-Exploited
5019	Tamil Nadu	Tiruppur	AVINASHI(W)	Over-Exploited
5020	Tamil Nadu	Tiruppur	AVINASHIPALAYAM(S)	Over-Exploited
5021	Tamil Nadu	Tiruppur	CHEYUR	Over-Exploited
5022	Tamil Nadu	Tiruppur	DHARAPURAM	Semi-Critical
5023	Tamil Nadu	Tiruppur	GUDIMANGALAM	Over-Exploited
5024	Tamil Nadu	Tiruppur	KANGEYAM	Over-Exploited
5025	Tamil Nadu	Tiruppur	KANNIVADI	Over-Exploited
5026	Tamil Nadu	Tiruppur	KARADIVAVI	Over-Exploited
5027	Tamil Nadu	Tiruppur	KUNDADAM	Over-Exploited
5028	Tamil Nadu	Tiruppur	KUNNATHUR	Over-Exploited
5029	Tamil Nadu	Tiruppur	KURICHIKOTTAI	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5030	Tamil Nadu	Tiruppur	MADATHUKULAM	Safe
5031	Tamil Nadu	Tiruppur	MULANUR	Over-Exploited
5032	Tamil Nadu	Tiruppur	NALLUR	Semi-Critical
5033	Tamil Nadu	Tiruppur	NATHAKADAIYUR	Critical
5034	Tamil Nadu	Tiruppur	PALLADAM	Over-Exploited
5035	Tamil Nadu	Tiruppur	PERIAVALAVADI	Over-Exploited
5036	Tamil Nadu	Tiruppur	PERUMANALLUR	Over-Exploited
5037	Tamil Nadu	Tiruppur	PETHAPPAMPATTI	Over-Exploited
5038	Tamil Nadu	Tiruppur	PONGALUR	Over-Exploited
5039	Tamil Nadu	Tiruppur	PONNAPURAM	Over-Exploited
5040	Tamil Nadu	Tiruppur	SAMALAPURAM	Over-Exploited
5041	Tamil Nadu	Tiruppur	SANKARANDAMPALAYAM	Critical
5042	Tamil Nadu	Tiruppur	THUNGAVI	Semi-Critical
5043	Tamil Nadu	Tiruppur	TIRUPPUR (N)	Critical
5044	Tamil Nadu	Tiruppur	TIRUPPUR (S)	Over-Exploited
5045	Tamil Nadu	Tiruppur	UDUMALPET	Semi-Critical
5046	Tamil Nadu	Tiruppur	UTHIYUR	Over-Exploited
5047	Tamil Nadu	Tiruppur	UTHUKULI	Over-Exploited
5048	Tamil Nadu	Tiruppur	VELAMPALAYAM	Over-Exploited
5049	Tamil Nadu	Tiruppur	VELLAKOIL	Over-Exploited
5050	Tamil Nadu	Tiruvannamalai	AGRAPALAYAM	Semi-Critical
5051	Tamil Nadu	Tiruvannamalai	ANAKAVOOR	Semi-Critical
5052	Tamil Nadu	Tiruvannamalai	ARNI	Semi-Critical
5053	Tamil Nadu	Tiruvannamalai	CHENGAM JAWADHUHILLS	Over-Exploited
5054	Tamil Nadu	Tiruvannamalai	CHENNAVARAM	Over-Exploited
5055	Tamil Nadu	Tiruvannamalai	CHEYAR	Semi-Critical
5056	Tamil Nadu	Tiruvannamalai	DESUR	Over-Exploited
5057	Tamil Nadu	Tiruvannamalai	DEVIKAPURAM	Semi-Critical
5058	Tamil Nadu	Tiruvannamalai	DUSI	Semi-Critical
5059	Tamil Nadu	Tiruvannamalai	ERAIYUR	Over-Exploited
5060	Tamil Nadu	Tiruvannamalai	KADALADI	Over-Exploited
5061	Tamil Nadu	Tiruvannamalai	KALASAPAKKAM	Semi-Critical
5062	Tamil Nadu	Tiruvannamalai	KANNAMANGALAM	Semi-Critical
5063	Tamil Nadu	Tiruvannamalai	KELUR	Over-Exploited
5064	Tamil Nadu	Tiruvannamalai	KETTAVARAMPALAYAM	Over-Exploited
5065	Tamil Nadu	Tiruvannamalai	KILKODUNGALUR	Over-Exploited
5066	Tamil Nadu	Tiruvannamalai	KILPENNATHUR	Critical
5067	Tamil Nadu	Tiruvannamalai	KOLAPPALUR	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5068	Tamil Nadu	Tiruvannamalai	MALAIYUR	Over-Exploited
5069	Tamil Nadu	Tiruvannamalai	MANDAKOLATHUR	Semi-Critical
5070	Tamil Nadu	Tiruvannamalai	MANGALAM	Critical
5071	Tamil Nadu	Tiruvannamalai	MELPALLIPATTU	Over-Exploited
5072	Tamil Nadu	Tiruvannamalai	MODAYUR	Critical
5073	Tamil Nadu	Tiruvannamalai	MULLIPATTU	Over-Exploited
5074	Tamil Nadu	Tiruvannamalai	NATERI	Semi-Critical
5075	Tamil Nadu	Tiruvannamalai	NAYADUMANGALAM	Semi-Critical
5076	Tamil Nadu	Tiruvannamalai	NEDUNGUNAM	Over-Exploited
5077	Tamil Nadu	Tiruvannamalai	OSUR	Over-Exploited
5078	Tamil Nadu	Tiruvannamalai	PACHAL	Over-Exploited
5079	Tamil Nadu	Tiruvannamalai	PERANAMALLUR	Semi-Critical
5080	Tamil Nadu	Tiruvannamalai	PERUNGATTUR	Semi-Critical
5081	Tamil Nadu	Tiruvannamalai	POLUR	Semi-Critical
5082	Tamil Nadu	Tiruvannamalai	PUDUPALAYAM	Over-Exploited
5083	Tamil Nadu	Tiruvannamalai	SANTHAVASAL	Over-Exploited
5084	Tamil Nadu	Tiruvannamalai	SATHYAVIJAYANAGARAM	Semi-Critical
5085	Tamil Nadu	Tiruvannamalai	SOMASPADI	Over-Exploited
5086	Tamil Nadu	Tiruvannamalai	T.V.MALAI (NORTH)	Semi-Critical
5087	Tamil Nadu	Tiruvannamalai	T.V.MALAI(SOUTH)	Semi-Critical
5088	Tamil Nadu	Tiruvannamalai	THACHAMBADI	Over-Exploited
5089	Tamil Nadu	Tiruvannamalai	THANDARAMPAT	Semi-Critical
5090	Tamil Nadu	Tiruvannamalai	THANIPADI	Over-Exploited
5091	Tamil Nadu	Tiruvannamalai	THATCHAMPATTU	Over-Exploited
5092	Tamil Nadu	Tiruvannamalai	THELLAR	Semi-Critical
5093	Tamil Nadu	Tiruvannamalai	THETHURAI	Semi-Critical
5094	Tamil Nadu	Tiruvannamalai	THURINJAPURAM	Over-Exploited
5095	Tamil Nadu	Tiruvannamalai	VADATHANDALAM	Critical
5096	Tamil Nadu	Tiruvannamalai	VAKKADAI	Semi-Critical
5097	Tamil Nadu	Tiruvannamalai	VANAPURAM	Semi-Critical
5098	Tamil Nadu	Tiruvannamalai	VANDAVASI	Critical
5099	Tamil Nadu	Tiruvannamalai	VEMBAKKAM	Semi-Critical
5100	Tamil Nadu	Tiruvannamalai	VERAIYUR	Critical
5101	Tamil Nadu	Tiruvannamalai	VETTAVLAM	Over-Exploited
5102	Tamil Nadu	Vellore	AGARAM	Over-Exploited
5103	Tamil Nadu	Vellore	AMBUR	Over-Exploited
5104	Tamil Nadu	Vellore	ANAICUT	Over-Exploited
5105	Tamil Nadu	Vellore	GUDIYATHAM (WEST)	Over-Exploited
5106	Tamil Nadu	Vellore	GUDIYATHAM(EAST)	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5107	Tamil Nadu	Vellore	K.V.KUPPAM	Over-Exploited
5108	Tamil Nadu	Vellore	KANIYAMBADI	Semi-Critical
5109	Tamil Nadu	Vellore	KATPADI	Semi-Critical
5110	Tamil Nadu	Vellore	MADHANUR	Over-Exploited
5111	Tamil Nadu	Vellore	MELASANNANKUPPAM	Over-Exploited
5112	Tamil Nadu	Vellore	MELPADI	Safe
5113	Tamil Nadu	Vellore	MELPATTI	Over-Exploited
5114	Tamil Nadu	Vellore	ODUGATHUR	Over-Exploited
5115	Tamil Nadu	Vellore	PALLIKONDA	Over-Exploited
5116	Tamil Nadu	Vellore	PENNATHUR	Critical
5117	Tamil Nadu	Vellore	PERNAMPATTU	Semi-Critical
5118	Tamil Nadu	Vellore	SATHUVACHARI	Over-Exploited
5119	Tamil Nadu	Vellore	THIRUVALAM	Semi-Critical
5120	Tamil Nadu	Vellore	THUTHIPATTU	Over-Exploited
5121	Tamil Nadu	Vellore	USSOOR	Critical
5122	Tamil Nadu	Vellore	VADUGANTHANGAL	Over-Exploited
5123	Tamil Nadu	Vellore	VALATHUR	Over-Exploited
5124	Tamil Nadu	Vellore	VELLORE	Over-Exploited
5125	Tamil Nadu	Viluppuram	ANNIYUR	Over-Exploited
5126	Tamil Nadu	Viluppuram	ARAKANDANALLUR	Safe
5127	Tamil Nadu	Viluppuram	ARASUR	Over-Exploited
5128	Tamil Nadu	Viluppuram	AVALURPETTAI	Over-Exploited
5129	Tamil Nadu	Viluppuram	AVANIPUR	Semi-Critical
5130	Tamil Nadu	Viluppuram	BRAMMADESAM	Over-Exploited
5131	Tamil Nadu	Viluppuram	CHITHALINGAMADAM	Over-Exploited
5132	Tamil Nadu	Viluppuram	DEEVANUR	Safe
5133	Tamil Nadu	Viluppuram	GINGEE	Over-Exploited
5134	Tamil Nadu	Viluppuram	KANAI	Semi-Critical
5135	Tamil Nadu	Viluppuram	KANDAMANGALAM	Critical
5136	Tamil Nadu	Viluppuram	KANJANUR	Over-Exploited
5137	Tamil Nadu	Viluppuram	KILIYANUR	Critical
5138	Tamil Nadu	Viluppuram	MAILAM	Safe
5139	Tamil Nadu	Viluppuram	MARAKANAM	Semi-Critical
5140	Tamil Nadu	Viluppuram	MELMALAYANUR	Over-Exploited
5141	Tamil Nadu	Viluppuram	MELOLAKKUR	Over-Exploited
5142	Tamil Nadu	Viluppuram	MUGAIYUR	Semi-Critical
5143	Tamil Nadu	Viluppuram	NEMILI	Over-Exploited
5144	Tamil Nadu	Viluppuram	OLAKKUR	Over-Exploited
5145	Tamil Nadu	Viluppuram	RETTANAI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5146	Tamil Nadu	Viluppuram	SATHAMPATI	Over-Exploited
5147	Tamil Nadu	Viluppuram	SATHIYAMANGALAM	Over-Exploited
5148	Tamil Nadu	Viluppuram	SIRUVADI	Over-Exploited
5149	Tamil Nadu	Viluppuram	SITHALAMPATTU	Over-Exploited
5150	Tamil Nadu	Viluppuram	T.V.NALLUR	Over-Exploited
5151	Tamil Nadu	Viluppuram	TINDIVANAM	Semi-Critical
5152	Tamil Nadu	Viluppuram	UPPUVELUR	Over-Exploited
5153	Tamil Nadu	Viluppuram	VADASIRUVALUR	Over-Exploited
5154	Tamil Nadu	Viluppuram	VALAVANUR	Critical
5155	Tamil Nadu	Viluppuram	VALLAM	Over-Exploited
5156	Tamil Nadu	Viluppuram	VANUR	Safe
5157	Tamil Nadu	Viluppuram	VIKKIRAVANDI	Critical
5158	Tamil Nadu	Viluppuram	VILLUPURAM	Semi-Critical
5159	Tamil Nadu	Virudhunagar	A.MUKKULAM	Safe
5160	Tamil Nadu	Virudhunagar	ALANGULAM	Critical
5161	Tamil Nadu	Virudhunagar	AMATHUR	Critical
5162	Tamil Nadu	Virudhunagar	ARUPPUKOTTAI	Safe
5163	Tamil Nadu	Virudhunagar	CHOLAPURAM	Over-Exploited
5164	Tamil Nadu	Virudhunagar	ELAYIRAM- PANNAI	Semi-Critical
5165	Tamil Nadu	Virudhunagar	IYANKOLLANKONDAN	Semi-Critical
5166	Tamil Nadu	Virudhunagar	KALKURUCHI	Safe
5167	Tamil Nadu	Virudhunagar	KARIAPATTI	Safe
5168	Tamil Nadu	Virudhunagar	KEELARAJAKULARAMA N	Over-Exploited
5169	Tamil Nadu	Virudhunagar	KOTTAIYUR	Semi-Critical
5170	Tamil Nadu	Virudhunagar	MALLANKINAR	Critical
5171	Tamil Nadu	Virudhunagar	MALLI	Semi-Critical
5172	Tamil Nadu	Virudhunagar	MANDAPASALAI	Safe
5173	Tamil Nadu	Virudhunagar	MANGALAM	Critical
5174	Tamil Nadu	Virudhunagar	MUDUKKAN-KULAM	Safe
5175	Tamil Nadu	Virudhunagar	NALLI	Safe
5176	Tamil Nadu	Virudhunagar	NARIKUDI	Safe
5177	Tamil Nadu	Virudhunagar	NATHAMPATTI	Over-Exploited
5178	Tamil Nadu	Virudhunagar	NENMENI	Safe
5179	Tamil Nadu	Virudhunagar	ONDIPULINAICKANUR	Semi-Critical
5180	Tamil Nadu	Virudhunagar	PADANTHAL	Safe
5181	Tamil Nadu	Virudhunagar	PALAYAMPATTI	Safe
5182	Tamil Nadu	Virudhunagar	PANDALKUDI	Safe
5183	Tamil Nadu	Virudhunagar	PARALATCHI	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5184	Tamil Nadu	Virudhunagar	PILLAIYARKULAM	Over-Exploited
5185	Tamil Nadu	Virudhunagar	RAJAPALAYAM	Semi-Critical
5186	Tamil Nadu	Virudhunagar	SALWARPATTI	Semi-Critical
5187	Tamil Nadu	Virudhunagar	SATTUR	Safe
5188	Tamil Nadu	Virudhunagar	SEITHUR	Safe
5189	Tamil Nadu	Virudhunagar	SIVAKASI	Semi-Critical
5190	Tamil Nadu	Virudhunagar	SRIVILLIPUTTUR	Semi-Critical
5191	Tamil Nadu	Virudhunagar	THIRUCHULI	Safe
5192	Tamil Nadu	Virudhunagar	THIRUTHANGAL	Safe
5193	Tamil Nadu	Virudhunagar	VATCHAKARA-PATTI	Critical
5194	Tamil Nadu	Virudhunagar	VEERACHOLAN	Safe
5195	Tamil Nadu	Virudhunagar	VEMBAKOTTAI	Over-Exploited
5196	Tamil Nadu	Virudhunagar	VIRUDHUNAGAR	Safe
5197	Tamil Nadu	Virudhunagar	WATRAP	Semi-Critical
5198	Telangana	Adilabad	ADILABAD RURAL	Safe
5199	Telangana	Adilabad	ADILABAD URBAN	Semi-Critical
5200	Telangana	Adilabad	BAZARHATHNOOR	Safe
5201	Telangana	Adilabad	BELA	Safe
5202	Telangana	Adilabad	BHEEMPOOR	Semi-Critical
5203	Telangana	Adilabad	BOATH	Safe
5204	Telangana	Adilabad	GADIGUDA	Safe
5205	Telangana	Adilabad	GUDIHATHNUR	Semi-Critical
5206	Telangana	Adilabad	ICHODA	Safe
5207	Telangana	Adilabad	INDERAVELLY	Semi-Critical
5208	Telangana	Adilabad	JAINAD	Safe
5209	Telangana	Adilabad	MAVALA	Semi-Critical
5210	Telangana	Adilabad	NARNOOR	Safe
5211	Telangana	Adilabad	NERADIGONDA	Semi-Critical
5212	Telangana	Adilabad	SIRIKONDA	Semi-Critical
5213	Telangana	Adilabad	TALAMADUGU	Semi-Critical
5214	Telangana	Adilabad	TAMSI	Semi-Critical
5215	Telangana	Adilabad	UTNUR	Semi-Critical
5216	Telangana	Bhadradri	ALLAPALLI	Safe
5217	Telangana	Bhadradri	ANNAPUREDDIPALLE	Safe
5218	Telangana	Bhadradri	ASWAPURAM	Safe
5219	Telangana	Bhadradri	ASWARAOPETA	Semi-Critical
5220	Telangana	Bhadradri	BHADRACHALAM	Safe
5221	Telangana	Bhadradri	BURGAMPADU	Safe
5222	Telangana	Bhadradri	CHANDRUGONDA	Safe
5223	Telangana	Bhadradri	CHERLA	Safe
5224	Telangana	Bhadradri	CHUNCHUPALLY	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5225	Telangana	Bhadradri	DAMMAPETA	Semi-Critical
5226	Telangana	Bhadradri	DUMMUGUDEM	Safe
5227	Telangana	Bhadradri	GUNDALA	Safe
5228	Telangana	Bhadradri	JULURPAD	Semi-Critical
5229	Telangana	Bhadradri	KARAKAGUDEM	Safe
5230	Telangana	Bhadradri	KOTHAGUDEM	Semi-Critical
5231	Telangana	Bhadradri	LAXMIDEVIPALLI	Safe
5232	Telangana	Bhadradri	MANUGURU	Semi-Critical
5233	Telangana	Bhadradri	MULAKALAPALLE	Safe
5234	Telangana	Bhadradri	PALAWANCHA	Safe
5235	Telangana	Bhadradri	PINAPAKA	Safe
5236	Telangana	Bhadradri	SUJATHANAGAR	Semi-Critical
5237	Telangana	Bhadradri	TEKULAPALLE	Safe
5238	Telangana	Bhadradri	YELLANDU	Semi-Critical
5239	Telangana	Hyderabad	AMBERPET	Over-Exploited
5240	Telangana	Hyderabad	AMMERPET	Over-Exploited
5241	Telangana	Hyderabad	ASIFNAGAR	Over-Exploited
5242	Telangana	Hyderabad	BAHADURPURA	Over-Exploited
5243	Telangana	Hyderabad	BANDLAGUDA	Over-Exploited
5244	Telangana	Hyderabad	CHARMINAR	Over-Exploited
5245	Telangana	Hyderabad	GOLKONDA	Over-Exploited
5246	Telangana	Hyderabad	HIMAYATNAGAR	Over-Exploited
5247	Telangana	Hyderabad	KHAIRATABAD	Over-Exploited
5248	Telangana	Hyderabad	MAREDPALLY	Over-Exploited
5249	Telangana	Hyderabad	MUSHEERABAD	Over-Exploited
5250	Telangana	Hyderabad	NAMPALLY	Over-Exploited
5251	Telangana	Hyderabad	SAIDABAD	Over-Exploited
5252	Telangana	Hyderabad	SECUNDERABAD	Over-Exploited
5253	Telangana	Hyderabad	SHAIKPET	Over-Exploited
5254	Telangana	Hyderabad	TIRUMALGIRI	Over-Exploited
5255	Telangana	Jagtial	BEERPUR	Safe
5256	Telangana	Jagtial	BUGGARAM	Safe
5257	Telangana	Jagtial	DHARMAPURI	Safe
5258	Telangana	Jagtial	GOLLAPALLE	Safe
5259	Telangana	Jagtial	IBRAHIMPATNAM	Safe
5260	Telangana	Jagtial	JAGITYAL_RURAL	Safe
5261	Telangana	Jagtial	JAGTIAL	Safe
5262	Telangana	Jagtial	KATHLAPUR	Over-Exploited
5263	Telangana	Jagtial	KODIMIAL	Over-Exploited
5264	Telangana	Jagtial	KORATLA	Safe
5265	Telangana	Jagtial	MALIAL	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5266	Telangana	Jagtial	MALLAPUR	Safe
5267	Telangana	Jagtial	MEDIPALLE	Critical
5268	Telangana	Jagtial	METPALLE	Semi-Critical
5269	Telangana	Jagtial	PEGADAPALLE	Safe
5270	Telangana	Jagtial	RAIKAL	Safe
5271	Telangana	Jagtial	SARANGAPUR	Safe
5272	Telangana	Jagtial	VELGATOOR	Safe
5273	Telangana	Jangaon	BACHANNAPETA	Over-Exploited
5274	Telangana	Jangaon	CHILPUR	Semi-Critical
5275	Telangana	Jangaon	DEVARUPPALA	Safe
5276	Telangana	Jangaon	GANPUR_STN	Semi-Critical
5277	Telangana	Jangaon	JANGAON	Over-Exploited
5278	Telangana	Jangaon	KODAKANDLA	Over-Exploited
5279	Telangana	Jangaon	LINGALAGHANPUR	Safe
5280	Telangana	Jangaon	NARMETTA	Semi-Critical
5281	Telangana	Jangaon	PALAKURTHI	Over-Exploited
5282	Telangana	Jangaon	RAGHUNATHPALLE	Semi-Critical
5283	Telangana	Jangaon	THARIGOPPULA	Critical
5284	Telangana	Jangaon	ZAFFERGADH	Semi-Critical
5285	Telangana	Jayashankar	BHUPALPALLE	Safe
5286	Telangana	Jayashankar	CHITYAL	Safe
5287	Telangana	Jayashankar	GHANAPUR_MULUG	Safe
5288	Telangana	Jayashankar	KATARAM	Safe
5289	Telangana	Jayashankar	MAHADEVPUR	Safe
5290	Telangana	Jayashankar	MALHARRAO	Safe
5291	Telangana	Jayashankar	MOGULLAPALLE	Semi-Critical
5292	Telangana	Jayashankar	MUTHARAM_MAHADEVPUR	Safe
5293	Telangana	Jayashankar	PALMELA	Safe
5294	Telangana	Jayashankar	REGONDA	Safe
5295	Telangana	Jayashankar	TEKUMATLA	Semi-Critical
5296	Telangana	Jogulamba	AIZA	Safe
5297	Telangana	Jogulamba	ALAMPUR	Safe
5298	Telangana	Jogulamba	DHARUR	Safe
5299	Telangana	Jogulamba	GADWAL	Safe
5300	Telangana	Jogulamba	GHATTU	Safe
5301	Telangana	Jogulamba	ITIKYAL	Safe
5302	Telangana	Jogulamba	KALOOR_TIMMANADO DDI	Semi-Critical
5303	Telangana	Jogulamba	MALDAKAL	Safe
5304	Telangana	Jogulamba	MANOPAD	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5305	Telangana	Jogulamba	RAJOLI	Safe
5306	Telangana	Jogulamba	UNDAVELLI	Safe
5307	Telangana	Jogulamba	WADDEPALLE	Safe
5308	Telangana	Kamareddy	BANSWADA	Safe
5309	Telangana	Kamareddy	BHIKNUR	Critical
5310	Telangana	Kamareddy	BIBIPET	Critical
5311	Telangana	Kamareddy	BICHKUNDA	Safe
5312	Telangana	Kamareddy	BIRKOOR	Safe
5313	Telangana	Kamareddy	DOMAKONDA	Semi-Critical
5314	Telangana	Kamareddy	GANDHARI	Safe
5315	Telangana	Kamareddy	JUKKAL	Safe
5316	Telangana	Kamareddy	KAMAREDDY	Safe
5317	Telangana	Kamareddy	LINGAMPET	Semi-Critical
5318	Telangana	Kamareddy	MACHAREDDY	Semi-Critical
5319	Telangana	Kamareddy	MADNUR	Safe
5320	Telangana	Kamareddy	NAGA REDDIPET	Safe
5321	Telangana	Kamareddy	NASURULLABAD	Safe
5322	Telangana	Kamareddy	NIZAMSAGAR	Safe
5323	Telangana	Kamareddy	PEDDA KODAPGAL	Safe
5324	Telangana	Kamareddy	PITLAM	Safe
5325	Telangana	Kamareddy	RAJAMPET	Semi-Critical
5326	Telangana	Kamareddy	RAMAREDDY	Safe
5327	Telangana	Kamareddy	SADASIVANAGAR	Semi-Critical
5328	Telangana	Kamareddy	TADWAI	Semi-Critical
5329	Telangana	Kamareddy	YELLAREDDY	Safe
5330	Telangana	Karimnagar	CHIGURUMAMIDI	Semi-Critical
5331	Telangana	Karimnagar	CHOPPADANDI	Safe
5332	Telangana	Karimnagar	ELLANDAKUNTA	Safe
5333	Telangana	Karimnagar	GANGADHARA	Critical
5334	Telangana	Karimnagar	GANNERVARAM	Semi-Critical
5335	Telangana	Karimnagar	HUZURABAD	Safe
5336	Telangana	Karimnagar	JAMMIKUNTA	Safe
5337	Telangana	Karimnagar	KARIMNAGAR	Semi-Critical
5338	Telangana	Karimnagar	KARIMNAGAR_RURAL	Safe
5339	Telangana	Karimnagar	KOTHAPALLE	Safe
5340	Telangana	Karimnagar	MANAKONDUR	Safe
5341	Telangana	Karimnagar	RAMADUGU	Critical
5342	Telangana	Karimnagar	SHANKARAPATNAM	Safe
5343	Telangana	Karimnagar	THIMMAPUR	Safe
5344	Telangana	Karimnagar	V_SAIDAPUR	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5345	Telangana	Karimnagar	VEENAVANKA	Safe
5346	Telangana	Khammam	BONAKAL	Safe
5347	Telangana	Khammam	CHINTHAKANI	Safe
5348	Telangana	Khammam	ENKURU	Safe
5349	Telangana	Khammam	KALLURU	Safe
5350	Telangana	Khammam	KAMEPALLE	Semi-Critical
5351	Telangana	Khammam	KHAMMAM_RURAL	Safe
5352	Telangana	Khammam	KHAMMAM_URBAN	Safe
5353	Telangana	Khammam	KONIJERLA	Safe
5354	Telangana	Khammam	KUSUMANCHI	Safe
5355	Telangana	Khammam	MADHIRA	Safe
5356	Telangana	Khammam	MUDIGONDA	Safe
5357	Telangana	Khammam	NELAKONDAPALLE	Safe
5358	Telangana	Khammam	PENUBALLI	Semi-Critical
5359	Telangana	Khammam	RAGHUNADHAPALEM	Semi-Critical
5360	Telangana	Khammam	SATHUPALLE	Semi-Critical
5361	Telangana	Khammam	SINGARENI	Semi-Critical
5362	Telangana	Khammam	THALLADA	Safe
5363	Telangana	Khammam	THIRUMALAYAPALEM	Semi-Critical
5364	Telangana	Khammam	VEMSOOR	Semi-Critical
5365	Telangana	Khammam	WYRA	Safe
5366	Telangana	Khammam	YERRUPALEM	Safe
5367	Telangana	Komarambhem	ASIFABAD	Safe
5368	Telangana	Komarambhem	BEJJUR	Safe
5369	Telangana	Komarambhem	CHINTALAMANEPALLY	Safe
5370	Telangana	Komarambhem	DAHEGAON	Safe
5371	Telangana	Komarambhem	JAINOOR	Safe
5372	Telangana	Komarambhem	KAGAZNAGAR	Safe
5373	Telangana	Komarambhem	KERAMERI	Safe
5374	Telangana	Komarambhem	KOUTHALA	Safe
5375	Telangana	Komarambhem	LINGAPUR	Safe
5376	Telangana	Komarambhem	PENCHIKALPET	Safe
5377	Telangana	Komarambhem	REBBANA	Safe
5378	Telangana	Komarambhem	SIRPUR_T	Safe
5379	Telangana	Komarambhem	SIRPUR_U	Safe
5380	Telangana	Komarambhem	TIRYANI	Safe
5381	Telangana	Komarambhem	WANKDI	Safe
5382	Telangana	Mahabubabad	BAYYARAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5383	Telangana	Mahabubabad	CHINNAGUDUR	Semi-Critical
5384	Telangana	Mahabubabad	DANTHALAPALLE	Critical
5385	Telangana	Mahabubabad	DORNAKAL	Safe
5386	Telangana	Mahabubabad	GANAGAVARAM	Safe
5387	Telangana	Mahabubabad	GARLA	Semi-Critical
5388	Telangana	Mahabubabad	GUDUR	Safe
5389	Telangana	Mahabubabad	KESAMUDRAM	Safe
5390	Telangana	Mahabubabad	KOTHAGUDA	Safe
5391	Telangana	Mahabubabad	KURAVI	Safe
5392	Telangana	Mahabubabad	MAHABUBABAD	Safe
5393	Telangana	Mahabubabad	MARIPEDA	Semi-Critical
5394	Telangana	Mahabubabad	NARSIMHULAPET	Semi-Critical
5395	Telangana	Mahabubabad	NELLIKUDUR	Semi-Critical
5396	Telangana	Mahabubabad	PEDDAVANGARA	Semi-Critical
5397	Telangana	Mahabubabad	THORRUR	Semi-Critical
5398	Telangana	Mahabubnagar	ADDAKAL	Safe
5399	Telangana	Mahabubnagar	BALANAGAR	Critical
5400	Telangana	Mahabubnagar	BHOOTHPUR	Semi-Critical
5401	Telangana	Mahabubnagar	CHINNA_CHINTHA_KUNTA	Semi-Critical
5402	Telangana	Mahabubnagar	DEVARKADARA	Semi-Critical
5403	Telangana	Mahabubnagar	GANDEED	Semi-Critical
5404	Telangana	Mahabubnagar	HANWADA	Semi-Critical
5405	Telangana	Mahabubnagar	JADCHERLA	Semi-Critical
5406	Telangana	Mahabubnagar	KOILKONDA	Semi-Critical
5407	Telangana	Mahabubnagar	MAHABUBNAGAR_RURAL	Semi-Critical
5408	Telangana	Mahabubnagar	MAHABUBNAGAR_URBAN	Semi-Critical
5409	Telangana	Mahabubnagar	MIDJIL	Over-Exploited
5410	Telangana	Mahabubnagar	MUSAPET	Semi-Critical
5411	Telangana	Mahabubnagar	NAWABPET	Semi-Critical
5412	Telangana	Mahabubnagar	RAJAPUR	Semi-Critical
5413	Telangana	Mancherial	BELLAMPALLE	Safe
5414	Telangana	Mancherial	BHEEMINI	Safe
5415	Telangana	Mancherial	BHIMARAM	Safe
5416	Telangana	Mancherial	CHENNUR	Safe
5417	Telangana	Mancherial	DANDEPALLE	Safe
5418	Telangana	Mancherial	HAJIPUR	Safe
5419	Telangana	Mancherial	JAIPUR	Safe
5420	Telangana	Mancherial	JANNARAM	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5421	Telangana	Mancherial	KANNEPALLI	Safe
5422	Telangana	Mancherial	KASIPET	Safe
5423	Telangana	Mancherial	KOTAPALLE	Safe
5424	Telangana	Mancherial	LUXETTIPET	Safe
5425	Telangana	Mancherial	MANCHERIAL	Safe
5426	Telangana	Mancherial	MANDAMARRI	Safe
5427	Telangana	Mancherial	NASPUR	Safe
5428	Telangana	Mancherial	NENNAL	Safe
5429	Telangana	Mancherial	TANDUR	Safe
5430	Telangana	Mancherial	VEMANPALLE	Safe
5431	Telangana	Medak	ALLADURG	Safe
5432	Telangana	Medak	CHEGUNTA	Semi-Critical
5433	Telangana	Medak	CHILIPCHED	Safe
5434	Telangana	Medak	HAVELIGHANPUR	Safe
5435	Telangana	Medak	KOWDIPALLE	Safe
5436	Telangana	Medak	KULCHARAM	Safe
5437	Telangana	Medak	MANOHARABAD	Semi-Critical
5438	Telangana	Medak	MEDAK	Semi-Critical
5439	Telangana	Medak	NARSAPUR	Semi-Critical
5440	Telangana	Medak	NARSINGI	Semi-Critical
5441	Telangana	Medak	NIZAMPET	Semi-Critical
5442	Telangana	Medak	PAPANNAPET	Safe
5443	Telangana	Medak	RAMAYAMPET	Semi-Critical
5444	Telangana	Medak	REGODE	Safe
5445	Telangana	Medak	SHANKARAMPET_A	Safe
5446	Telangana	Medak	SHANKARAMPET_R	Semi-Critical
5447	Telangana	Medak	SHIVAMPET	Semi-Critical
5448	Telangana	Medak	TEKMAL	Safe
5449	Telangana	Medak	TUPRAN	Semi-Critical
5450	Telangana	Medak	YELDURTHY	Semi-Critical
5451	Telangana	Medchal	ALWAL	Semi-Critical
5452	Telangana	Medchal	BACHPALLE	Critical
5453	Telangana	Medchal	BALANAGAR	Critical
5454	Telangana	Medchal	DUNDIGAL_GANDIMAI SAMMA	Semi-Critical
5455	Telangana	Medchal	GHATKESAR	Safe
5456	Telangana	Medchal	KAPRA	Safe
5457	Telangana	Medchal	KEESARA	Safe
5458	Telangana	Medchal	KUKATPALLY	Critical
5459	Telangana	Medchal	MALKAJGIRI	Safe
5460	Telangana	Medchal	MEDCHEL	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5461	Telangana	Medchal	MEDIPALLY	Safe
5462	Telangana	Medchal	MUDUCHINTHALAPALLY	Safe
5463	Telangana	Medchal	QUTHBULLAPUR	Critical
5464	Telangana	Medchal	SHAMIRPET	Safe
5465	Telangana	Medchal	UPPAL	Safe
5466	Telangana	Mulug	ETURUNAGARAM	Safe
5467	Telangana	Mulug	GOVINDARAOPET	Safe
5468	Telangana	Mulug	KANNAIGUDEM	Safe
5469	Telangana	Mulug	MANGAPET	Safe
5470	Telangana	Mulug	MULUG	Safe
5471	Telangana	Mulug	TADVAI	Safe
5472	Telangana	Mulug	VENKATAPUR	Safe
5473	Telangana	Mulug	VENKATAPURAM	Safe
5474	Telangana	Mulug	WAZEED	Safe
5475	Telangana	Nagarkurnool	ACHAMPET	Safe
5476	Telangana	Nagarkurnool	AMRABAD	Safe
5477	Telangana	Nagarkurnool	BALMOOR	Semi-Critical
5478	Telangana	Nagarkurnool	BIJINAPALLE	Semi-Critical
5479	Telangana	Nagarkurnool	CHARAKONDA	Over-Exploited
5480	Telangana	Nagarkurnool	KALWAKURTHY	Critical
5481	Telangana	Nagarkurnool	KODAIR	Safe
5482	Telangana	Nagarkurnool	KOLLAPUR	Safe
5483	Telangana	Nagarkurnool	LINGAL	Semi-Critical
5484	Telangana	Nagarkurnool	NAGAR_KURNOOL	Semi-Critical
5485	Telangana	Nagarkurnool	PADRA	Safe
5486	Telangana	Nagarkurnool	PEDDAKOTHAPALLE	Safe
5487	Telangana	Nagarkurnool	PENTLAVELLI	Safe
5488	Telangana	Nagarkurnool	TADOOR	Semi-Critical
5489	Telangana	Nagarkurnool	TELKAPALLE	Semi-Critical
5490	Telangana	Nagarkurnool	THIMMAJIPETA	Semi-Critical
5491	Telangana	Nagarkurnool	UPPUNUTHALA	Semi-Critical
5492	Telangana	Nagarkurnool	URKONDA	Critical
5493	Telangana	Nagarkurnool	VANGOOR	Critical
5494	Telangana	Nagarkurnool	VELDANDA	Over-Exploited
5495	Telangana	Nalgonda	ADAVI DEVULA PALLI	Safe
5496	Telangana	Nalgonda	ANUMULA_HALIYA	Safe
5497	Telangana	Nalgonda	CHANDAMPET	Semi-Critical
5498	Telangana	Nalgonda	CHANDUR	Semi-Critical
5499	Telangana	Nalgonda	CHINTHAPALLE	Critical
5500	Telangana	Nalgonda	CHITYALA	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5501	Telangana	Nalgonda	DAMARACHERLA	Safe
5502	Telangana	Nalgonda	DEVARAKONDA	Semi-Critical
5503	Telangana	Nalgonda	GUNDLAPALLE	Semi-Critical
5504	Telangana	Nalgonda	GURRAMPODE	Safe
5505	Telangana	Nalgonda	KANGAL	Semi-Critical
5506	Telangana	Nalgonda	KATTANGOOR	Critical
5507	Telangana	Nalgonda	KETHEPALLE	Semi-Critical
5508	Telangana	Nalgonda	KONDAMALLAPALLY	Safe
5509	Telangana	Nalgonda	MADUGULAPALLY	Safe
5510	Telangana	Nalgonda	MARRIGUDA	Semi-Critical
5511	Telangana	Nalgonda	MIRYALAGUDA	Safe
5512	Telangana	Nalgonda	MUNUGODE	Semi-Critical
5513	Telangana	Nalgonda	NAKREKAL	Safe
5514	Telangana	Nalgonda	NALGONDA	Semi-Critical
5515	Telangana	Nalgonda	NAMPALLE	Critical
5516	Telangana	Nalgonda	NARKETPALLE	Critical
5517	Telangana	Nalgonda	NEREDUGOMMU	Semi-Critical
5518	Telangana	Nalgonda	NIDAMANUR	Safe
5519	Telangana	Nalgonda	PEDDA_ADISERLAPALL E	Safe
5520	Telangana	Nalgonda	PEDDAVURA	Safe
5521	Telangana	Nalgonda	SALIGOURARAM	Safe
5522	Telangana	Nalgonda	THIPPARTHI	Semi-Critical
5523	Telangana	Nalgonda	THRIPURARAM	Safe
5524	Telangana	Nalgonda	TIRUMALAGIRI_SAGAR	Safe
5525	Telangana	Nalgonda	VEMULAPALLE	Safe
5526	Telangana	Narayanpet	DAMARAGIDDA	Safe
5527	Telangana	Narayanpet	DHANWADA	Semi-Critical
5528	Telangana	Narayanpet	KOSGI	Semi-Critical
5529	Telangana	Narayanpet	KRISHNA	Safe
5530	Telangana	Narayanpet	MADDUR	Safe
5531	Telangana	Narayanpet	MAGANOOR	Safe
5532	Telangana	Narayanpet	MAKTHAL	Safe
5533	Telangana	Narayanpet	MARIKAL	Semi-Critical
5534	Telangana	Narayanpet	NARAYANPET	Semi-Critical
5535	Telangana	Narayanpet	NARVA	Safe
5536	Telangana	Narayanpet	UTKOOR	Safe
5537	Telangana	Nirmal	BASAR	Safe
5538	Telangana	Nirmal	BHAINSA	Safe
5539	Telangana	Nirmal	DASTUARABAD	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5540	Telangana	Nirmal	DILAWARPUR	Safe
5541	Telangana	Nirmal	KADDAMPEDDUR	Safe
5542	Telangana	Nirmal	KHANPUR	Safe
5543	Telangana	Nirmal	KUBEER	Safe
5544	Telangana	Nirmal	KUNTALA	Safe
5545	Telangana	Nirmal	LAXMANCHANDA	Safe
5546	Telangana	Nirmal	LOKESWARAM	Semi-Critical
5547	Telangana	Nirmal	MAMDA	Safe
5548	Telangana	Nirmal	MUDHOLE	Safe
5549	Telangana	Nirmal	NARSAPUR_G	Safe
5550	Telangana	Nirmal	NIRMAL	Safe
5551	Telangana	Nirmal	NIRMAL_RURAL	Safe
5552	Telangana	Nirmal	PEMBI	Safe
5553	Telangana	Nirmal	SARANGAPUR	Safe
5554	Telangana	Nirmal	SOAN	Safe
5555	Telangana	Nirmal	TANUR	Safe
5556	Telangana	Nizamabad	ARMUR	Semi-Critical
5557	Telangana	Nizamabad	BALKONDA	Semi-Critical
5558	Telangana	Nizamabad	BHEEMGAL	Semi-Critical
5559	Telangana	Nizamabad	BODHAN	Safe
5560	Telangana	Nizamabad	CHANDUR	Critical
5561	Telangana	Nizamabad	DHARPALLE	Semi-Critical
5562	Telangana	Nizamabad	DICHPALLE	Semi-Critical
5563	Telangana	Nizamabad	INDALWAI	Semi-Critical
5564	Telangana	Nizamabad	JAKRANPALLE	Critical
5565	Telangana	Nizamabad	KAMMARPALLE	Critical
5566	Telangana	Nizamabad	KOTGIRI	Safe
5567	Telangana	Nizamabad	MAKLOOR	Safe
5568	Telangana	Nizamabad	MENDORA	Semi-Critical
5569	Telangana	Nizamabad	MORTAD	Over-Exploited
5570	Telangana	Nizamabad	MOSRA	Semi-Critical
5571	Telangana	Nizamabad	MUGPAL	Safe
5572	Telangana	Nizamabad	MUPKAL	Semi-Critical
5573	Telangana	Nizamabad	NANDIPET	Safe
5574	Telangana	Nizamabad	NAVIPET	Safe
5575	Telangana	Nizamabad	NIZAMABAD_NORTH	Safe
5576	Telangana	Nizamabad	NIZAMABAD_RURAL	Safe
5577	Telangana	Nizamabad	NIZAMABAD_SOUTH	Safe
5578	Telangana	Nizamabad	RANJAL	Safe
5579	Telangana	Nizamabad	RUDRUR	Over-Exploited
5580	Telangana	Nizamabad	SIRKONDA	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5581	Telangana	Nizamabad	VAILPUR	Critical
5582	Telangana	Nizamabad	VARNI	Critical
5583	Telangana	Nizamabad	YEDA_PALLE	Safe
5584	Telangana	Nizamabad	YERGATLA	Safe
5585	Telangana	Peddapalle	ANTARGOAN	Safe
5586	Telangana	Peddapalle	DHARMARAM	Safe
5587	Telangana	Peddapalle	ELGAID	Safe
5588	Telangana	Peddapalle	JULAPALLE	Safe
5589	Telangana	Peddapalle	KAMANPUR	Safe
5590	Telangana	Peddapalle	MANTHANI	Safe
5591	Telangana	Peddapalle	MUTHARAM_MANTHANI	Safe
5592	Telangana	Peddapalle	ODELA	Safe
5593	Telangana	Peddapalle	PALAKURTHY	Safe
5594	Telangana	Peddapalle	PEDDAPALLE	Safe
5595	Telangana	Peddapalle	RAMAGIRI	Safe
5596	Telangana	Peddapalle	RAMAGUNDAM	Safe
5597	Telangana	Peddapalle	SRIRAMPUR	Critical
5598	Telangana	Peddapalle	SULTANABAD	Safe
5599	Telangana	Rajanna	BOINPALLE	Semi-Critical
5600	Telangana	Rajanna	CHANDURTHI	Critical
5601	Telangana	Rajanna	ELLANTHAKUNTA	Critical
5602	Telangana	Rajanna	GAMBHIRAOPETA	Over-Exploited
5603	Telangana	Rajanna	KONARAOPETA	Over-Exploited
5604	Telangana	Rajanna	MUSTABAD	Over-Exploited
5605	Telangana	Rajanna	RUDRANGI	Critical
5606	Telangana	Rajanna	SIRSILLA	Over-Exploited
5607	Telangana	Rajanna	THANGALLAPALLE	Semi-Critical
5608	Telangana	Rajanna	VEERNAPALLE	Over-Exploited
5609	Telangana	Rajanna	VEMULAWADA	Over-Exploited
5610	Telangana	Rajanna	VEMULAWADA_RURAL	Over-Exploited
5611	Telangana	Rajanna	YELLAREDDYPETA	Over-Exploited
5612	Telangana	Rangareddy	ABDULLAPURMET	Semi-Critical
5613	Telangana	Rangareddy	AMANGAL	Semi-Critical
5614	Telangana	Rangareddy	BALAPUR	Semi-Critical
5615	Telangana	Rangareddy	CHEVELLA	Semi-Critical
5616	Telangana	Rangareddy	CHOWDERGUDEM	Semi-Critical
5617	Telangana	Rangareddy	FAROOQNAGAR	Semi-Critical
5618	Telangana	Rangareddy	GANDIPET	Semi-Critical
5619	Telangana	Rangareddy	HAYATHNAGAR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5620	Telangana	Rangareddy	IBRAHIMPATNAM	Semi-Critical
5621	Telangana	Rangareddy	KADTHAL	Safe
5622	Telangana	Rangareddy	KANDUKUR	Semi-Critical
5623	Telangana	Rangareddy	KESHAMPETA	Semi-Critical
5624	Telangana	Rangareddy	KONDURG	Semi-Critical
5625	Telangana	Rangareddy	KOTHUR	Critical
5626	Telangana	Rangareddy	MADGUL	Safe
5627	Telangana	Rangareddy	MAHESHWARAM	Critical
5628	Telangana	Rangareddy	MANCHAL	Semi-Critical
5629	Telangana	Rangareddy	MOINABAD	Semi-Critical
5630	Telangana	Rangareddy	NANDIGAM	Critical
5631	Telangana	Rangareddy	RAJENDRANAGAR	Critical
5632	Telangana	Rangareddy	SAROORNAGAR	Critical
5633	Telangana	Rangareddy	SERILINGAMPALLY	Over-Exploited
5634	Telangana	Rangareddy	SHABAD	Safe
5635	Telangana	Rangareddy	SHAMSHABAD	Critical
5636	Telangana	Rangareddy	SHANKARPALLE	Semi-Critical
5637	Telangana	Rangareddy	TALAKONDAPALLE	Critical
5638	Telangana	Rangareddy	YACHARAM	Semi-Critical
5639	Telangana	Sangareddy	AMEENAPUR	Critical
5640	Telangana	Sangareddy	ANDHOLE	Safe
5641	Telangana	Sangareddy	GUMMADIDALA	Safe
5642	Telangana	Sangareddy	HATHANOORA	Semi-Critical
5643	Telangana	Sangareddy	JHARASANGAM	Semi-Critical
5644	Telangana	Sangareddy	JINNARAM	Safe
5645	Telangana	Sangareddy	KALHER	Safe
5646	Telangana	Sangareddy	KANDI	Semi-Critical
5647	Telangana	Sangareddy	KANGTI	Safe
5648	Telangana	Sangareddy	KOHIR	Semi-Critical
5649	Telangana	Sangareddy	KONDAPUR	Semi-Critical
5650	Telangana	Sangareddy	MANOOR	Semi-Critical
5651	Telangana	Sangareddy	MOGDAMPALLE	Semi-Critical
5652	Telangana	Sangareddy	MUNIPALLI	Safe
5653	Telangana	Sangareddy	NAGALGIDDA	Safe
5654	Telangana	Sangareddy	NARAYANKHED	Safe
5655	Telangana	Sangareddy	NAYKAL	Semi-Critical
5656	Telangana	Sangareddy	PATANCHERUVU	Critical
5657	Telangana	Sangareddy	PULKAL	Safe
5658	Telangana	Sangareddy	RAIKODE	Safe
5659	Telangana	Sangareddy	RAMACHANDRAPURAM	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5660	Telangana	Sangareddy	SADASIVPET	Safe
5661	Telangana	Sangareddy	SANGAREDDY	Semi-Critical
5662	Telangana	Sangareddy	SIRGAPOOR	Safe
5663	Telangana	Sangareddy	WATPALLE	Safe
5664	Telangana	Sangareddy	ZAHRABAD	Semi-Critical
5665	Telangana	Siddipet	ANTHAKKAPETA	Over-Exploited
5666	Telangana	Siddipet	BEJJANKI	Semi-Critical
5667	Telangana	Siddipet	CHERIYAL	Semi-Critical
5668	Telangana	Siddipet	CHINNAKODUR	Safe
5669	Telangana	Siddipet	DOULTABAD	Semi-Critical
5670	Telangana	Siddipet	DUBBAK	Semi-Critical
5671	Telangana	Siddipet	GAJWEL	Safe
5672	Telangana	Siddipet	HUSNABAD	Critical
5673	Telangana	Siddipet	JAGADEVPUR	Semi-Critical
5674	Telangana	Siddipet	KOHEDA	Critical
5675	Telangana	Siddipet	KOMARAVELLY	Semi-Critical
5676	Telangana	Siddipet	KONDAPAK	Semi-Critical
5677	Telangana	Siddipet	MADDUR	Semi-Critical
5678	Telangana	Siddipet	MARKOOK	Semi-Critical
5679	Telangana	Siddipet	MIRDODDI	Semi-Critical
5680	Telangana	Siddipet	MULUG	Semi-Critical
5681	Telangana	Siddipet	NANGANUR	Safe
5682	Telangana	Siddipet	NARAYANRAOPET	Safe
5683	Telangana	Siddipet	RAYAPOLE	Semi-Critical
5684	Telangana	Siddipet	SIDDIPET_RURAL	Semi-Critical
5685	Telangana	Siddipet	SIDDIPET_URBAN	Safe
5686	Telangana	Siddipet	THOGUTA	Semi-Critical
5687	Telangana	Siddipet	WARGAL	Semi-Critical
5688	Telangana	Suryapet	ANANTHAGIRI	Safe
5689	Telangana	Suryapet	ATMAKUR_S	Semi-Critical
5690	Telangana	Suryapet	CHILKUR	Safe
5691	Telangana	Suryapet	CHINTHALA PALEM	Safe
5692	Telangana	Suryapet	CHIVVEMLA	Safe
5693	Telangana	Suryapet	GARIDEPALLE	Safe
5694	Telangana	Suryapet	HUZUR NAGAR	Safe
5695	Telangana	Suryapet	JAIREDDIGUDEM	Semi-Critical
5696	Telangana	Suryapet	KODAD	Safe
5697	Telangana	Suryapet	MADDIRALA	Semi-Critical
5698	Telangana	Suryapet	MATTAMPALLE	Safe
5699	Telangana	Suryapet	MELLACHERVU	Safe
5700	Telangana	Suryapet	MOTHEY	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5701	Telangana	Suryapet	MUNAGALA	Safe
5702	Telangana	Suryapet	NADIGUDEM	Safe
5703	Telangana	Suryapet	NAGARAM	Semi-Critical
5704	Telangana	Suryapet	NEREDCHERLA	Safe
5705	Telangana	Suryapet	NOOTHANKAL	Semi-Critical
5706	Telangana	Suryapet	PALAKEEDU	Safe
5707	Telangana	Suryapet	PENPAHAD	Safe
5708	Telangana	Suryapet	SURYAPET	Safe
5709	Telangana	Suryapet	THIRUMALAGIRI	Semi-Critical
5710	Telangana	Suryapet	THUNGATHURTHI	Critical
5711	Telangana	Vikarabad	BANTWARAM	Semi-Critical
5712	Telangana	Vikarabad	BASHEERABAD	Safe
5713	Telangana	Vikarabad	BOMRASPETA	Semi-Critical
5714	Telangana	Vikarabad	DHARUR	Safe
5715	Telangana	Vikarabad	DOMA	Semi-Critical
5716	Telangana	Vikarabad	DOULATABAD	Semi-Critical
5717	Telangana	Vikarabad	KODANGAL	Safe
5718	Telangana	Vikarabad	KOTEPALLY	Safe
5719	Telangana	Vikarabad	KULKACHARLA	Safe
5720	Telangana	Vikarabad	MARPALLE	Semi-Critical
5721	Telangana	Vikarabad	MOMINPET	Semi-Critical
5722	Telangana	Vikarabad	NAWABPET	Semi-Critical
5723	Telangana	Vikarabad	PARGI	Safe
5724	Telangana	Vikarabad	PEDDEMUL	Semi-Critical
5725	Telangana	Vikarabad	PUDUR	Safe
5726	Telangana	Vikarabad	TANDUR	Safe
5727	Telangana	Vikarabad	VIKARABAD	Safe
5728	Telangana	Vikarabad	YELAL	Safe
5729	Telangana	Wanaparthy	AMARCHINTA	Safe
5730	Telangana	Wanaparthy	ATMAKUR	Safe
5731	Telangana	Wanaparthy	CHINNAMBAVI	Safe
5732	Telangana	Wanaparthy	GHANPUR	Safe
5733	Telangana	Wanaparthy	GOPALPETA	Safe
5734	Telangana	Wanaparthy	KOTHAKOTA	Safe
5735	Telangana	Wanaparthy	MADANAPUR	Safe
5736	Telangana	Wanaparthy	PANGAL	Safe
5737	Telangana	Wanaparthy	PEBBAIR	Safe
5738	Telangana	Wanaparthy	PEDDAMANDADI	Safe
5739	Telangana	Wanaparthy	REVELLY	Safe
5740	Telangana	Wanaparthy	SRIRANGAPUR	Safe
5741	Telangana	Wanaparthy	VEEPANGANDLA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5742	Telangana	Wanaparth	WANAPARTHY	Safe
5743	Telangana	Warangal_Rural	ATMAKUR	Safe
5744	Telangana	Warangal_Rural	CHENNARAOPETA	Safe
5745	Telangana	Warangal_Rural	DAMERA	Safe
5746	Telangana	Warangal_Rural	DUGGONDI	Safe
5747	Telangana	Warangal_Rural	GEESUGONDA	Safe
5748	Telangana	Warangal_Rural	KHANAPUR	Safe
5749	Telangana	Warangal_Rural	NADIKUDA	Safe
5750	Telangana	Warangal_Rural	NALLABELLY	Safe
5751	Telangana	Warangal_Rural	NARSAMPET	Safe
5752	Telangana	Warangal_Rural	NEKKONDA	Safe
5753	Telangana	Warangal_Rural	PARKAL	Safe
5754	Telangana	Warangal_Rural	PARVATHAGIRI	Safe
5755	Telangana	Warangal_Rural	RAIPARTHY	Safe
5756	Telangana	Warangal_Rural	SANGEM	Safe
5757	Telangana	Warangal_Rural	SHAYAMPET	Safe
5758	Telangana	Warangal_Rural	WARDHANNAPET	Safe
5759	Telangana	Warangal_Urban	BHEEMADEVARAPALLE	Over-Exploited
5760	Telangana	Warangal_Urban	DHARMASAGAR	Over-Exploited
5761	Telangana	Warangal_Urban	ELKATHURTHI	Critical
5762	Telangana	Warangal_Urban	HANAMKONDA	Safe
5763	Telangana	Warangal_Urban	HASANPARTHY	Safe
5764	Telangana	Warangal_Urban	INOLE	Over-Exploited
5765	Telangana	Warangal_Urban	KAMALAPUR	Safe
5766	Telangana	Warangal_Urban	KHAZIPET	Semi-Critical
5767	Telangana	Warangal_Urban	KHILLA_WARANGAL	Semi-Critical
5768	Telangana	Warangal_Urban	VELAIR	Over-Exploited
5769	Telangana	Warangal_Urban	WARANGAL	Semi-Critical
5770	Telangana	Yadadri	ADDAGUDUR	Semi-Critical
5771	Telangana	Yadadri	ALAIR	Semi-Critical
5772	Telangana	Yadadri	ATMAKUR_M	Semi-Critical
5773	Telangana	Yadadri	BHONGIRI	Semi-Critical
5774	Telangana	Yadadri	BIBINAGAR	Safe
5775	Telangana	Yadadri	BOMMALARAMARAM	Semi-Critical
5776	Telangana	Yadadri	CHOUTUPPAL	Safe
5777	Telangana	Yadadri	GUNDALA	Over-Exploited
5778	Telangana	Yadadri	MOOTAKONDUR	Critical
5779	Telangana	Yadadri	MOTHKUR	Semi-Critical
5780	Telangana	Yadadri	NARAYANAPUR	Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5781	Telangana	Yadadri	POCHAMPALLE	Safe
5782	Telangana	Yadadri	RAJAPET	Semi-Critical
5783	Telangana	Yadadri	RAMANNAPETA	Safe
5784	Telangana	Yadadri	TURKAPALLE_M	Semi-Critical
5785	Telangana	Yadadri	VALIGONDA	Safe
5786	Telangana	Yadadri	YADAGIRIGUTTA	Critical
5787	Tripura	Dhalai	AMBASA	Safe
5788	Tripura	Dhalai	CHAWMANU	Safe
5789	Tripura	Dhalai	DUMBURNAGAR	Safe
5790	Tripura	Dhalai	DURGACHOWMOHANI	Safe
5791	Tripura	Dhalai	GANGANAGAR	Safe
5792	Tripura	Dhalai	MANU	Safe
5793	Tripura	Dhalai	RAISHYABARI	Safe
5794	Tripura	Dhalai	SALEMA	Safe
5795	Tripura	Gomati	AMARPUR	Safe
5796	Tripura	Gomati	KAKRABAN	Safe
5797	Tripura	Gomati	KARBOOK	Safe
5798	Tripura	Gomati	KILLA	Safe
5799	Tripura	Gomati	MATABARI	Safe
5800	Tripura	Gomati	OMPI	Safe
5801	Tripura	Gomati	SILACHHARI	Safe
5802	Tripura	Gomati	TEPANIA	Safe
5803	Tripura	Khowai	KALYANPUR	Safe
5804	Tripura	Khowai	KHOWAI	Safe
5805	Tripura	Khowai	MUNGIKAMI	Safe
5806	Tripura	Khowai	PADMABIL	Safe
5807	Tripura	Khowai	TELIAMURA	Safe
5808	Tripura	Khowai	TULASIKHAR	Safe
5809	Tripura	North Tripura	DAMCHHERA	Safe
5810	Tripura	North Tripura	DASDA	Safe
5811	Tripura	North Tripura	JAMPUI HILL	Safe
5812	Tripura	North Tripura	JUBARAJNAGAR	Safe
5813	Tripura	North Tripura	KADAMTALA	Safe
5814	Tripura	North Tripura	KALACHERRA	Safe
5815	Tripura	North Tripura	LALJURI	Safe
5816	Tripura	North Tripura	PANISAGAR	Safe
5817	Tripura	Sepahijala	BISHALGARH	Safe
5818	Tripura	Sepahijala	BOXANAGAR	Safe
5819	Tripura	Sepahijala	CHARILAM	Safe
5820	Tripura	Sepahijala	JAMPUIJALA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5821	Tripura	Sepahijala	KANTHALIA	Safe
5822	Tripura	Sepahijala	MOHANBHOG	Safe
5823	Tripura	Sepahijala	NALCHAR	Safe
5824	Tripura	South Tripura	BAGAFI	Safe
5825	Tripura	South Tripura	BHARAT CH NAGAR	Safe
5826	Tripura	South Tripura	HRISHYAMUKH	Safe
5827	Tripura	South Tripura	JOLAIBARI	Safe
5828	Tripura	South Tripura	POANGBARI	Safe
5829	Tripura	South Tripura	RAJNAGAR	Safe
5830	Tripura	South Tripura	RUPAICHARI	Safe
5831	Tripura	South Tripura	SATCHAND	Safe
5832	Tripura	Unakoti	CHANDIPUR	Safe
5833	Tripura	Unakoti	GOURNAGAR	Safe
5834	Tripura	Unakoti	KUMARGHAT	Safe
5835	Tripura	Unakoti	PENCHARTHAL	Safe
5836	Tripura	West Tripura	AMC	Safe
5837	Tripura	West Tripura	BAMUTIA	Safe
5838	Tripura	West Tripura	BELBARI	Safe
5839	Tripura	West Tripura	DUKLI	Safe
5840	Tripura	West Tripura	HEZAMARA	Safe
5841	Tripura	West Tripura	JIRANIA	Safe
5842	Tripura	West Tripura	LEFUNGA	Safe
5843	Tripura	West Tripura	MANDWI	Safe
5844	Tripura	West Tripura	MOHANPUR	Safe
5845	Tripura	West Tripura	OLD AGARTALA	Safe
5846	Puducherry	Karaikal	KARAIKAL	Safe
5847	Puducherry	Mahe	MAHE	Safe
5848	Puducherry	Puducherry	PUDUCHERRY	Critical
5849	Puducherry	Yanam	YANAM	Saline
5850	Uttar Pradesh	Agra	ACHHNERA	Critical
5851	Uttar Pradesh	Agra	AGRA CITY	Over-Exploited
5852	Uttar Pradesh	Agra	AKOLA	Over-Exploited
5853	Uttar Pradesh	Agra	BAH	Critical
5854	Uttar Pradesh	Agra	BARAULI AHIR	Over-Exploited
5855	Uttar Pradesh	Agra	BICHPURI	Over-Exploited
5856	Uttar Pradesh	Agra	ETMADPUR	Over-Exploited
5857	Uttar Pradesh	Agra	FATEHABAD	Over-Exploited
5858	Uttar Pradesh	Agra	FATEHPUR SIKRI	Over-Exploited
5859	Uttar Pradesh	Agra	JAGNER	Semi-Critical
5860	Uttar Pradesh	Agra	JAIPUR KALAN	Semi-Critical
5861	Uttar Pradesh	Agra	KHANDAULI	Over-Exploited

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5862	Uttar Pradesh	Agra	KHERAGARH	Semi-Critical
5863	Uttar Pradesh	Agra	PINAHAT	Safe
5864	Uttar Pradesh	Agra	SAIYANA	Over-Exploited
5865	Uttar Pradesh	Agra	SHAMSABAD	Over-Exploited
5866	Uttar Pradesh	Aligarh	AKRABAD	Safe
5867	Uttar Pradesh	Aligarh	ALIGARH CITY	Over-Exploited
5868	Uttar Pradesh	Aligarh	ATRAULI	Safe
5869	Uttar Pradesh	Aligarh	BIJAULI	Safe
5870	Uttar Pradesh	Aligarh	CHAND AUS	Semi-Critical
5871	Uttar Pradesh	Aligarh	DHANIPUR	Safe
5872	Uttar Pradesh	Aligarh	GANGIRI	Semi-Critical
5873	Uttar Pradesh	Aligarh	GONDA	Safe
5874	Uttar Pradesh	Aligarh	IGLAS	Critical
5875	Uttar Pradesh	Aligarh	JAWA SIKANDAIRPUR	Semi-Critical
5876	Uttar Pradesh	Aligarh	KHAIR	Semi-Critical
5877	Uttar Pradesh	Aligarh	LODHA	Semi-Critical
5878	Uttar Pradesh	Aligarh	TAPPAL	Safe
5879	Uttar Pradesh	Ambedkar Nagar	AKBARPUR	Safe
5880	Uttar Pradesh	Ambedkar Nagar	BASKHARI	Safe
5881	Uttar Pradesh	Ambedkar Nagar	BHITI	Safe
5882	Uttar Pradesh	Ambedkar Nagar	BHIYAON	Safe
5883	Uttar Pradesh	Ambedkar Nagar	JAHANGIRGANI	Safe
5884	Uttar Pradesh	Ambedkar Nagar	JALALPUR	Semi-Critical
5885	Uttar Pradesh	Ambedkar Nagar	KATEHARI	Safe
5886	Uttar Pradesh	Ambedkar Nagar	RAMNAGAR	Safe
5887	Uttar Pradesh	Ambedkar Nagar	TANDA	Safe
5888	Uttar Pradesh	Amethi	AMETHI	Safe
5889	Uttar Pradesh	Amethi	BAHADURPUR	Safe
5890	Uttar Pradesh	Amethi	BHADAR	Safe
5891	Uttar Pradesh	Amethi	BHETUA	Safe
5892	Uttar Pradesh	Amethi	GAURIGANJ	Safe
5893	Uttar Pradesh	Amethi	JAGDISHPUR	Safe
5894	Uttar Pradesh	Amethi	JAMO	Safe
5895	Uttar Pradesh	Amethi	MUSAFIRKHANA	Safe
5896	Uttar Pradesh	Amethi	SANGRAMPUR	Semi-Critical
5897	Uttar Pradesh	Amethi	SHAHGARH	Safe
5898	Uttar Pradesh	Amethi	SHUKUL BAZAR	Safe
5899	Uttar Pradesh	Amethi	SINGHPUR	Safe
5900	Uttar Pradesh	Amethi	TILOI	Safe
5901	Uttar Pradesh	Amroha	AMROHA	Semi-Critical
5902	Uttar Pradesh	Amroha	DHANAURA	Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5903	Uttar Pradesh	Amroha	GAJRAULA	Critical
5904	Uttar Pradesh	Amroha	GANGESHWARI	Semi-Critical
5905	Uttar Pradesh	Amroha	HASANPUR	Critical
5906	Uttar Pradesh	Amroha	JOYA	Over-Exploited
5907	Uttar Pradesh	Auraiya	ACHHALDA	Safe
5908	Uttar Pradesh	Auraiya	AJITMAL	Safe
5909	Uttar Pradesh	Auraiya	AURRAIYA	Safe
5910	Uttar Pradesh	Auraiya	BHAGYANAGAR	Safe
5911	Uttar Pradesh	Auraiya	BIDHUNA	Safe
5912	Uttar Pradesh	Auraiya	ERWA KATRA	Safe
5913	Uttar Pradesh	Auraiya	SAHAR	Safe
5914	Uttar Pradesh	Ayodhya	AMANIGANJ	Safe
5915	Uttar Pradesh	Ayodhya	BIKAPUR	Semi-Critical
5916	Uttar Pradesh	Ayodhya	HARRINGTANGANJ	Safe
5917	Uttar Pradesh	Ayodhya	MASODHA	Safe
5918	Uttar Pradesh	Ayodhya	MAWAI	Safe
5919	Uttar Pradesh	Ayodhya	MAYA BAZAR	Safe
5920	Uttar Pradesh	Ayodhya	MILKIPUR	Semi-Critical
5921	Uttar Pradesh	Ayodhya	PURA BAZAR	Safe
5922	Uttar Pradesh	Ayodhya	RUDAULI	Safe
5923	Uttar Pradesh	Ayodhya	SOHAWAL	Safe
5924	Uttar Pradesh	Ayodhya	TARUN	Safe
5925	Uttar Pradesh	Azamgarh	AHIRAULA	Semi-Critical
5926	Uttar Pradesh	Azamgarh	ATRAULIA	Semi-Critical
5927	Uttar Pradesh	Azamgarh	AZAMATGARH	Safe
5928	Uttar Pradesh	Azamgarh	BILHARIYAGANJ	Safe
5929	Uttar Pradesh	Azamgarh	HARAIYA	Safe
5930	Uttar Pradesh	Azamgarh	JAHANGANJ	Safe
5931	Uttar Pradesh	Azamgarh	KOILSA	Semi-Critical
5932	Uttar Pradesh	Azamgarh	LALGANJ	Safe
5933	Uttar Pradesh	Azamgarh	MAHARAJGANJ	Safe
5934	Uttar Pradesh	Azamgarh	MARTINGANJ	Safe
5935	Uttar Pradesh	Azamgarh	MEHNAGAR	Safe
5936	Uttar Pradesh	Azamgarh	MIRZAPUR	Safe
5937	Uttar Pradesh	Azamgarh	MOHAMMADPUR	Safe
5938	Uttar Pradesh	Azamgarh	PALHANA	Semi-Critical
5939	Uttar Pradesh	Azamgarh	PALHANI	Semi-Critical
5940	Uttar Pradesh	Azamgarh	PAWAI	Safe
5941	Uttar Pradesh	Azamgarh	PHULPUR	Safe
5942	Uttar Pradesh	Azamgarh	RANI KI SARAI	Safe
5943	Uttar Pradesh	Azamgarh	SATHIYAON	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5944	Uttar Pradesh	Azamgarh	TAHBARPUR	Safe
5945	Uttar Pradesh	Azamgarh	TARWA	Semi-Critical
5946	Uttar Pradesh	Azamgarh	THEKMA	Safe
5947	Uttar Pradesh	Baghpat	BAGHPAT	Critical
5948	Uttar Pradesh	Baghpat	BARAUT	Semi-Critical
5949	Uttar Pradesh	Baghpat	BINAULI	Over-Exploited
5950	Uttar Pradesh	Baghpat	CHHAPRAULI	Semi-Critical
5951	Uttar Pradesh	Baghpat	KHEKRA	Over-Exploited
5952	Uttar Pradesh	Baghpat	PILANA	Over-Exploited
5953	Uttar Pradesh	Bahraich	BALHA	Safe
5954	Uttar Pradesh	Bahraich	BISHESHWARGANJ	Safe
5955	Uttar Pradesh	Bahraich	CHITTAURA	Safe
5956	Uttar Pradesh	Bahraich	FAKHARPUR	Safe
5957	Uttar Pradesh	Bahraich	HUZURPUR	Safe
5958	Uttar Pradesh	Bahraich	JARWAL	Safe
5959	Uttar Pradesh	Bahraich	KAISARGANJ	Safe
5960	Uttar Pradesh	Bahraich	MAHASI	Safe
5961	Uttar Pradesh	Bahraich	MIHIPURWA	Safe
5962	Uttar Pradesh	Bahraich	NAWABGANJ	Safe
5963	Uttar Pradesh	Bahraich	PAYAGPUR	Safe
5964	Uttar Pradesh	Bahraich	RISIYA	Safe
5965	Uttar Pradesh	Bahraich	SHIVPUR	Safe
5966	Uttar Pradesh	Bahraich	TEJWAPUR	Safe
5967	Uttar Pradesh	Ballia	BAIRIA KHERA	Safe
5968	Uttar Pradesh	Ballia	BANSDIH	Safe
5969	Uttar Pradesh	Ballia	BELHARI	Safe
5970	Uttar Pradesh	Ballia	BERUAR	Safe
5971	Uttar Pradesh	Ballia	CHILKAHAR	Safe
5972	Uttar Pradesh	Ballia	DUBAHAND	Safe
5973	Uttar Pradesh	Ballia	GARWAR	Safe
5974	Uttar Pradesh	Ballia	HANUMANGANJ BRAHMIN	Safe
5975	Uttar Pradesh	Ballia	MANIYAR	Safe
5976	Uttar Pradesh	Ballia	MURLI CHHAPRA	Safe
5977	Uttar Pradesh	Ballia	NAWA NAGAR	Safe
5978	Uttar Pradesh	Ballia	NEGARA	Safe
5979	Uttar Pradesh	Ballia	PANDAH	Safe
5980	Uttar Pradesh	Ballia	RASRA	Safe
5981	Uttar Pradesh	Ballia	REOTI	Safe
5982	Uttar Pradesh	Ballia	SIAR	Safe
5983	Uttar Pradesh	Ballia	SOHAON	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
5984	Uttar Pradesh	Balrampur	BALRAMPUR	Safe
5985	Uttar Pradesh	Balrampur	GAINDAS BUZURG	Safe
5986	Uttar Pradesh	Balrampur	GAINSARA	Safe
5987	Uttar Pradesh	Balrampur	HARRAIYA SATGHARWA	Safe
5988	Uttar Pradesh	Balrampur	PACHERWA	Safe
5989	Uttar Pradesh	Balrampur	REHRA BAZAR	Safe
5990	Uttar Pradesh	Balrampur	SHRI DATT GANJ	Safe
5991	Uttar Pradesh	Balrampur	TULSIPUR	Safe
5992	Uttar Pradesh	Balrampur	UTRAULA	Safe
5993	Uttar Pradesh	Banda	BABERU	Semi-Critical
5994	Uttar Pradesh	Banda	BAROKHAR	Safe
5995	Uttar Pradesh	Banda	BISANDA	Safe
5996	Uttar Pradesh	Banda	JASPURA	Semi-Critical
5997	Uttar Pradesh	Banda	KAMASIN	Safe
5998	Uttar Pradesh	Banda	MAHUA	Safe
5999	Uttar Pradesh	Banda	NARAINI	Semi-Critical
6000	Uttar Pradesh	Banda	TINDWARI	Semi-Critical
6001	Uttar Pradesh	Barabanki	BANI KODAR	Safe
6002	Uttar Pradesh	Barabanki	BANKI	Safe
6003	Uttar Pradesh	Barabanki	DARIYABAD	Safe
6004	Uttar Pradesh	Barabanki	DEWA	Safe
6005	Uttar Pradesh	Barabanki	FATEHPUR	Safe
6006	Uttar Pradesh	Barabanki	HAIDERGARH	Safe
6007	Uttar Pradesh	Barabanki	HARAK	Safe
6008	Uttar Pradesh	Barabanki	MASALI	Safe
6009	Uttar Pradesh	Barabanki	NINDAURA	Safe
6010	Uttar Pradesh	Barabanki	PURE DALAI	Safe
6011	Uttar Pradesh	Barabanki	RAMNAGAR	Safe
6012	Uttar Pradesh	Barabanki	SIDDHAUR	Safe
6013	Uttar Pradesh	Barabanki	SIRALI GAUSPUR	Safe
6014	Uttar Pradesh	Barabanki	SURATGANJ	Safe
6015	Uttar Pradesh	Barabanki	TRIVEDIGANJ	Safe
6016	Uttar Pradesh	Bareilly	ALAMPUR JAFARABAD	Semi-Critical
6017	Uttar Pradesh	Bareilly	BAHERI	Safe
6018	Uttar Pradesh	Bareilly	BAREILLY CITY	Over-Exploited
6019	Uttar Pradesh	Bareilly	BHADPURA	Safe
6020	Uttar Pradesh	Bareilly	BHOJPURA	Safe
6021	Uttar Pradesh	Bareilly	BHUTAH	Safe
6022	Uttar Pradesh	Bareilly	BITHERI CHAINPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6023	Uttar Pradesh	Bareilly	FARIDPUR	Safe
6024	Uttar Pradesh	Bareilly	FATEHGANJ	Semi-Critical
6025	Uttar Pradesh	Bareilly	KYARA	Safe
6026	Uttar Pradesh	Bareilly	MAJHGAWA	Semi-Critical
6027	Uttar Pradesh	Bareilly	MEERGANJ	Safe
6028	Uttar Pradesh	Bareilly	NAWABGANJ	Safe
6029	Uttar Pradesh	Bareilly	RAMNAGAR	Semi-Critical
6030	Uttar Pradesh	Bareilly	RICHAHA	Safe
6031	Uttar Pradesh	Bareilly	SHERGARH	Safe
6032	Uttar Pradesh	Basti	BAHADURPUR	Safe
6033	Uttar Pradesh	Basti	BANKATI	Safe
6034	Uttar Pradesh	Basti	BASTI SADAR	Safe
6035	Uttar Pradesh	Basti	DUBAULIYA	Safe
6036	Uttar Pradesh	Basti	GAUR	Safe
6037	Uttar Pradesh	Basti	HARRAIYA	Safe
6038	Uttar Pradesh	Basti	KAPTANGANJ	Safe
6039	Uttar Pradesh	Basti	KUDRAHA	Safe
6040	Uttar Pradesh	Basti	PARASRAMPUR	Safe
6041	Uttar Pradesh	Basti	RAMNAGAR	Safe
6042	Uttar Pradesh	Basti	RUDHAULI	Safe
6043	Uttar Pradesh	Basti	SALATUA	Safe
6044	Uttar Pradesh	Basti	SAUGHAT	Safe
6045	Uttar Pradesh	Basti	VIKRAMJOT	Safe
6046	Uttar Pradesh	Bijnaur	AFZALGARH	Safe
6047	Uttar Pradesh	Bijnaur	DHANPUR (ALHEPUR)	Safe
6048	Uttar Pradesh	Bijnaur	HALDAUR (KHARI JHALU)	Safe
6049	Uttar Pradesh	Bijnaur	JALEELPUR	Critical
6050	Uttar Pradesh	Bijnaur	KIRATPUR	Safe
6051	Uttar Pradesh	Bijnaur	KOTWALI	Semi-Critical
6052	Uttar Pradesh	Bijnaur	MOHAMMADPUR DEOMAL	Safe
6053	Uttar Pradesh	Bijnaur	NAJIBABAD	Safe
6054	Uttar Pradesh	Bijnaur	NEHTAUR (AAKU)	Semi-Critical
6055	Uttar Pradesh	Bijnaur	NOORPUR	Semi-Critical
6056	Uttar Pradesh	Bijnaur	SEOHARA (BUDHANPUR)	Semi-Critical
6057	Uttar Pradesh	Budaun	AMBIAPUR	Over-Exploited
6058	Uttar Pradesh	Budaun	ASAFPUR	Over-Exploited
6059	Uttar Pradesh	Budaun	BISALI	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6060	Uttar Pradesh	Budaun	DAHGAWAN	Safe
6061	Uttar Pradesh	Budaun	DATAGANJ	Safe
6062	Uttar Pradesh	Budaun	ISLAMNAGAR	Over-Exploited
6063	Uttar Pradesh	Budaun	JAGAT	Semi-Critical
6064	Uttar Pradesh	Budaun	MIAON	Semi-Critical
6065	Uttar Pradesh	Budaun	QUADAR CHOWK	Semi-Critical
6066	Uttar Pradesh	Budaun	SAHASWAN	Semi-Critical
6067	Uttar Pradesh	Budaun	SALARPUR	Semi-Critical
6068	Uttar Pradesh	Budaun	SAMRER	Safe
6069	Uttar Pradesh	Budaun	UJHANI	Semi-Critical
6070	Uttar Pradesh	Budaun	USAWAN	Safe
6071	Uttar Pradesh	Budaun	WAZIRGANJ	Safe
6072	Uttar Pradesh	Bulandshahar	AGAUTA	Safe
6073	Uttar Pradesh	Bulandshahar	ANUP SHAHAR	Semi-Critical
6074	Uttar Pradesh	Bulandshahar	ARNIA KHURD	Critical
6075	Uttar Pradesh	Bulandshahar	BHAWAN BAHADUR NAGAR	Over-Exploited
6076	Uttar Pradesh	Bulandshahar	BULANDSHAHAR	Over-Exploited
6077	Uttar Pradesh	Bulandshahar	DANPUR	Over-Exploited
6078	Uttar Pradesh	Bulandshahar	DEBAI	Safe
6079	Uttar Pradesh	Bulandshahar	GULAOTHI	Over-Exploited
6080	Uttar Pradesh	Bulandshahar	JAHANGIRABAD	Semi-Critical
6081	Uttar Pradesh	Bulandshahar	KHURJA	Critical
6082	Uttar Pradesh	Bulandshahar	LAKHAOTHI	Semi-Critical
6083	Uttar Pradesh	Bulandshahar	PAHASU	Semi-Critical
6084	Uttar Pradesh	Bulandshahar	SHIKARPUR	Critical
6085	Uttar Pradesh	Bulandshahar	SIANA	Over-Exploited
6086	Uttar Pradesh	Bulandshahar	SIKANDRABAD	Over-Exploited
6087	Uttar Pradesh	Bulandshahar	UNCHAGAON	Critical
6088	Uttar Pradesh	Chandauli	BARAHANI	Safe
6089	Uttar Pradesh	Chandauli	CHAHNIYA	Safe
6090	Uttar Pradesh	Chandauli	CHAKIA	Safe
6091	Uttar Pradesh	Chandauli	CHANDAULI	Safe
6092	Uttar Pradesh	Chandauli	DHANAPUR	Safe
6093	Uttar Pradesh	Chandauli	NAUGARH	Safe
6094	Uttar Pradesh	Chandauli	NIYAMATABAD	Safe
6095	Uttar Pradesh	Chandauli	SAKALDIHA	Safe
6096	Uttar Pradesh	Chandauli	SHAHABGANJ	Safe
6097	Uttar Pradesh	Chitrakoot	KARWI	Critical
6098	Uttar Pradesh	Chitrakoot	MANIKPUR	Safe
6099	Uttar Pradesh	Chitrakoot	MAU	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6100	Uttar Pradesh	Chitrakoot	PAHARI	Semi-Critical
6101	Uttar Pradesh	Chitrakoot	RAMNAGAR	Semi-Critical
6102	Uttar Pradesh	Deoria	BANKATA	Safe
6103	Uttar Pradesh	Deoria	BARHAJ	Safe
6104	Uttar Pradesh	Deoria	BETALPUR	Safe
6105	Uttar Pradesh	Deoria	BHAGALPUR	Safe
6106	Uttar Pradesh	Deoria	BHALUANI	Safe
6107	Uttar Pradesh	Deoria	BHATNI	Safe
6108	Uttar Pradesh	Deoria	BHATPARANI	Safe
6109	Uttar Pradesh	Deoria	DEORIA SADAR	Safe
6110	Uttar Pradesh	Deoria	DESAHI DEORIA	Safe
6111	Uttar Pradesh	Deoria	GAURI BAZAR	Safe
6112	Uttar Pradesh	Deoria	LAR	Safe
6113	Uttar Pradesh	Deoria	PATHER DEWA	Safe
6114	Uttar Pradesh	Deoria	RAMPUR KARHANI	Safe
6115	Uttar Pradesh	Deoria	RUDRAPUR	Safe
6116	Uttar Pradesh	Deoria	SALEMPUR	Safe
6117	Uttar Pradesh	Deoria	TARKULWA	Safe
6118	Uttar Pradesh	Etah	ALIGANJ	Critical
6119	Uttar Pradesh	Etah	AWAGARH	Safe
6120	Uttar Pradesh	Etah	JAITHARA	Semi-Critical
6121	Uttar Pradesh	Etah	JALESAR	Critical
6122	Uttar Pradesh	Etah	MARHARA	Safe
6123	Uttar Pradesh	Etah	NIDHAULI KALAN	Semi-Critical
6124	Uttar Pradesh	Etah	SAKIT	Semi-Critical
6125	Uttar Pradesh	Etah	SHITALPUR	Semi-Critical
6126	Uttar Pradesh	Etawah	BARAHPURA	Safe
6127	Uttar Pradesh	Etawah	BASREHAR	Safe
6128	Uttar Pradesh	Etawah	BHARTHNA	Safe
6129	Uttar Pradesh	Etawah	CHAKARANAGAR	Safe
6130	Uttar Pradesh	Etawah	JASWANTNAGAR	Safe
6131	Uttar Pradesh	Etawah	MAHEWA	Safe
6132	Uttar Pradesh	Etawah	SEFAI	Safe
6133	Uttar Pradesh	Etawah	TAKHA	Safe
6134	Uttar Pradesh	Farrukhabad	BARHPUR	Semi-Critical
6135	Uttar Pradesh	Farrukhabad	KAIMGANJ	Safe
6136	Uttar Pradesh	Farrukhabad	KAMALGANJ	Semi-Critical
6137	Uttar Pradesh	Farrukhabad	MOHAMADABAD	Semi-Critical
6138	Uttar Pradesh	Farrukhabad	NAWABGANJ	Semi-Critical
6139	Uttar Pradesh	Farrukhabad	RAJEPUR	Safe
6140	Uttar Pradesh	Farrukhabad	SHAMSABAD	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6141	Uttar Pradesh	Fatehpur	AIRAYA	Semi-Critical
6142	Uttar Pradesh	Fatehpur	AMAULI	Critical
6143	Uttar Pradesh	Fatehpur	ASODHAR	Safe
6144	Uttar Pradesh	Fatehpur	BAHUA	Safe
6145	Uttar Pradesh	Fatehpur	BHITAURA	Over-Exploited
6146	Uttar Pradesh	Fatehpur	DEOMAI	Safe
6147	Uttar Pradesh	Fatehpur	DHATA	Safe
6148	Uttar Pradesh	Fatehpur	HASWA	Safe
6149	Uttar Pradesh	Fatehpur	HATHGAON	Safe
6150	Uttar Pradesh	Fatehpur	KHAJUHA	Semi-Critical
6151	Uttar Pradesh	Fatehpur	MALAWAN	Semi-Critical
6152	Uttar Pradesh	Fatehpur	TELYANI	Semi-Critical
6153	Uttar Pradesh	Fatehpur	VIJAYIPUR	Safe
6154	Uttar Pradesh	Firozabad	ARON	Critical
6155	Uttar Pradesh	Firozabad	EKA	Semi-Critical
6156	Uttar Pradesh	Firozabad	FIROZABAD	Over-Exploited
6157	Uttar Pradesh	Firozabad	HATHWANT	Over-Exploited
6158	Uttar Pradesh	Firozabad	JASRANA	Semi-Critical
6159	Uttar Pradesh	Firozabad	MADANPUR	Semi-Critical
6160	Uttar Pradesh	Firozabad	NARKHI	Over-Exploited
6161	Uttar Pradesh	Firozabad	SHIKOHABAD	Over-Exploited
6162	Uttar Pradesh	Firozabad	TUNDLA	Over-Exploited
6163	Uttar Pradesh	G.B. Nagar	BISRAKH	Over-Exploited
6164	Uttar Pradesh	G.B. Nagar	DADRI	Semi-Critical
6165	Uttar Pradesh	G.B. Nagar	DANKAUR	Critical
6166	Uttar Pradesh	G.B. Nagar	JEWAR	Critical
6167	Uttar Pradesh	Ghaziabad	BHOJPUR	Over-Exploited
6168	Uttar Pradesh	Ghaziabad	GAZIABAD CITY	Over-Exploited
6169	Uttar Pradesh	Ghaziabad	LONI	Over-Exploited
6170	Uttar Pradesh	Ghaziabad	MURADNAGAR	Semi-Critical
6171	Uttar Pradesh	Ghaziabad	RAZAPUR	Over-Exploited
6172	Uttar Pradesh	Ghazipur	BHADAURA	Safe
6173	Uttar Pradesh	Ghazipur	BHANWARKOL	Safe
6174	Uttar Pradesh	Ghazipur	BIRNO	Safe
6175	Uttar Pradesh	Ghazipur	DEOKALI	Safe
6176	Uttar Pradesh	Ghazipur	GHAZIPUR	Safe
6177	Uttar Pradesh	Ghazipur	JAKHANIA	Safe
6178	Uttar Pradesh	Ghazipur	KARANDA	Safe
6179	Uttar Pradesh	Ghazipur	KASIMABAD	Safe
6180	Uttar Pradesh	Ghazipur	MANIHARI	Safe
6181	Uttar Pradesh	Ghazipur	MARADH	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6182	Uttar Pradesh	Ghazipur	MOHAMMADABAD	Safe
6183	Uttar Pradesh	Ghazipur	REVATIPUR	Safe
6184	Uttar Pradesh	Ghazipur	SADAT	Safe
6185	Uttar Pradesh	Ghazipur	SAIDPUR	Semi-Critical
6186	Uttar Pradesh	Ghazipur	VARACHAKWAR	Safe
6187	Uttar Pradesh	Ghazipur	ZAMANIA	Safe
6188	Uttar Pradesh	Gonda	BABHANJOT	Safe
6189	Uttar Pradesh	Gonda	BELSAR	Safe
6190	Uttar Pradesh	Gonda	CHHAPIA	Safe
6191	Uttar Pradesh	Gonda	COLONELGANJ	Safe
6192	Uttar Pradesh	Gonda	HALDHARMAU	Safe
6193	Uttar Pradesh	Gonda	ITIA THOK	Safe
6194	Uttar Pradesh	Gonda	JHANJHRI	Safe
6195	Uttar Pradesh	Gonda	KATRA BAZAR	Safe
6196	Uttar Pradesh	Gonda	MANKAPUR	Safe
6197	Uttar Pradesh	Gonda	MUJHANA	Safe
6198	Uttar Pradesh	Gonda	NAWABGANJ	Safe
6199	Uttar Pradesh	Gonda	PANDRI KRIPAL	Safe
6200	Uttar Pradesh	Gonda	PARASPUR	Safe
6201	Uttar Pradesh	Gonda	RUPAIDIHA	Safe
6202	Uttar Pradesh	Gonda	TARABGANJ	Safe
6203	Uttar Pradesh	Gonda	WAZIRGANJ	Safe
6204	Uttar Pradesh	Gorakhpur	BANSGAON	Safe
6205	Uttar Pradesh	Gorakhpur	BARAHALGANJ	Safe
6206	Uttar Pradesh	Gorakhpur	BELGHAT	Safe
6207	Uttar Pradesh	Gorakhpur	BHATAHAT	Safe
6208	Uttar Pradesh	Gorakhpur	BRAHMPUR	Safe
6209	Uttar Pradesh	Gorakhpur	CAMPIERGANJ	Safe
6210	Uttar Pradesh	Gorakhpur	CHIRGAWAN	Safe
6211	Uttar Pradesh	Gorakhpur	GAGAHA	Safe
6212	Uttar Pradesh	Gorakhpur	GOLA	Safe
6213	Uttar Pradesh	Gorakhpur	JANGAL KAUDIA	Safe
6214	Uttar Pradesh	Gorakhpur	KAURIRAM	Safe
6215	Uttar Pradesh	Gorakhpur	KHAJNI	Safe
6216	Uttar Pradesh	Gorakhpur	KHORABAR	Safe
6217	Uttar Pradesh	Gorakhpur	PALI	Safe
6218	Uttar Pradesh	Gorakhpur	PIPRAICH	Safe
6219	Uttar Pradesh	Gorakhpur	PIPRAULI	Safe
6220	Uttar Pradesh	Gorakhpur	SAHJANWA	Safe
6221	Uttar Pradesh	Gorakhpur	SARDAR NAGAR	Safe
6222	Uttar Pradesh	Gorakhpur	URUA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6223	Uttar Pradesh	Hamirpur	GOHAND	Semi-Critical
6224	Uttar Pradesh	Hamirpur	KURARA	Safe
6225	Uttar Pradesh	Hamirpur	MAUDAHA	Safe
6226	Uttar Pradesh	Hamirpur	MUSKARA	Safe
6227	Uttar Pradesh	Hamirpur	RATH	Semi-Critical
6228	Uttar Pradesh	Hamirpur	SARILA	Semi-Critical
6229	Uttar Pradesh	Hamirpur	SUMERPUR	Semi-Critical
6230	Uttar Pradesh	Hapur	DHOLANA	Semi-Critical
6231	Uttar Pradesh	Hapur	GARH	Over-Exploited
6232	Uttar Pradesh	Hapur	HAPUR	Critical
6233	Uttar Pradesh	Hapur	SIMBHOLI	Critical
6234	Uttar Pradesh	Hardoi	AHIRORI	Safe
6235	Uttar Pradesh	Hardoi	BAWAN	Safe
6236	Uttar Pradesh	Hardoi	BHARAWAN	Safe
6237	Uttar Pradesh	Hardoi	BHARKHANI	Safe
6238	Uttar Pradesh	Hardoi	BHENDER KALAN	Safe
6239	Uttar Pradesh	Hardoi	BILGRAM	Safe
6240	Uttar Pradesh	Hardoi	HARIYAWAN	Safe
6241	Uttar Pradesh	Hardoi	HARPALPUR	Safe
6242	Uttar Pradesh	Hardoi	KACHHAUNA	Safe
6243	Uttar Pradesh	Hardoi	KOTHAWAN	Safe
6244	Uttar Pradesh	Hardoi	MADHAVGANJ	Safe
6245	Uttar Pradesh	Hardoi	MALLAWAN	Safe
6246	Uttar Pradesh	Hardoi	PIHANI	Safe
6247	Uttar Pradesh	Hardoi	SANDI	Safe
6248	Uttar Pradesh	Hardoi	SANDILA	Safe
6249	Uttar Pradesh	Hardoi	SHAHABAD	Safe
6250	Uttar Pradesh	Hardoi	SURSA	Safe
6251	Uttar Pradesh	Hardoi	TADIYAWAN	Safe
6252	Uttar Pradesh	Hardoi	TODARPUR	Semi-Critical
6253	Uttar Pradesh	Hathras	HASAYAN	Safe
6254	Uttar Pradesh	Hathras	HATHRAS	Critical
6255	Uttar Pradesh	Hathras	MURSAN	Over-Exploited
6256	Uttar Pradesh	Hathras	SADABAD	Semi-Critical
6257	Uttar Pradesh	Hathras	SAHPAU	Over-Exploited
6258	Uttar Pradesh	Hathras	SASNI	Over-Exploited
6259	Uttar Pradesh	Hathras	SIKANDRA RAO	Critical
6260	Uttar Pradesh	Jalaun	DAKOR	Safe
6261	Uttar Pradesh	Jalaun	JALAUN	Safe
6262	Uttar Pradesh	Jalaun	KADAURA	Safe
6263	Uttar Pradesh	Jalaun	KONCH	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6264	Uttar Pradesh	Jalaun	KUTHOND	Safe
6265	Uttar Pradesh	Jalaun	MADHOGANJ	Safe
6266	Uttar Pradesh	Jalaun	MAHEWA	Safe
6267	Uttar Pradesh	Jalaun	NADIGAON	Safe
6268	Uttar Pradesh	Jalaun	RAMPURA	Safe
6269	Uttar Pradesh	Jaunpur	BADLAPUR	Critical
6270	Uttar Pradesh	Jaunpur	BAKSHA	Semi-Critical
6271	Uttar Pradesh	Jaunpur	BARSATHI	Semi-Critical
6272	Uttar Pradesh	Jaunpur	DHARMAPUR	Semi-Critical
6273	Uttar Pradesh	Jaunpur	DOBHI	Safe
6274	Uttar Pradesh	Jaunpur	JALALPUR	Safe
6275	Uttar Pradesh	Jaunpur	KARANJA KALAN	Semi-Critical
6276	Uttar Pradesh	Jaunpur	KERAKAT	Semi-Critical
6277	Uttar Pradesh	Jaunpur	KHUTAHAN	Safe
6278	Uttar Pradesh	Jaunpur	MACHHLISHAHR	Safe
6279	Uttar Pradesh	Jaunpur	MAHARAJGANJ	Critical
6280	Uttar Pradesh	Jaunpur	MARIAHU	Safe
6281	Uttar Pradesh	Jaunpur	MUFTIGANJ	Semi-Critical
6282	Uttar Pradesh	Jaunpur	MUNGRA BADSHAHPUR	Safe
6283	Uttar Pradesh	Jaunpur	RAMNAGAR	Safe
6284	Uttar Pradesh	Jaunpur	RAMPUR	Safe
6285	Uttar Pradesh	Jaunpur	SHAHGANJ	Safe
6286	Uttar Pradesh	Jaunpur	SIKRARA	Semi-Critical
6287	Uttar Pradesh	Jaunpur	SIRKONI	Semi-Critical
6288	Uttar Pradesh	Jaunpur	SUITHA KALAN	Safe
6289	Uttar Pradesh	Jaunpur	SUJANGANJ	Safe
6290	Uttar Pradesh	Jhansi	BABINA	Semi-Critical
6291	Uttar Pradesh	Jhansi	BAMAUR	Safe
6292	Uttar Pradesh	Jhansi	BANGRA	Semi-Critical
6293	Uttar Pradesh	Jhansi	BARAGAON	Semi-Critical
6294	Uttar Pradesh	Jhansi	CHIRGAON	Safe
6295	Uttar Pradesh	Jhansi	GURSARAI	Safe
6296	Uttar Pradesh	Jhansi	MAURANIPUR	Semi-Critical
6297	Uttar Pradesh	Jhansi	MOTH	Safe
6298	Uttar Pradesh	Kannauj	CHHIBRAMAU	Semi-Critical
6299	Uttar Pradesh	Kannauj	GOGRAPUR	Semi-Critical
6300	Uttar Pradesh	Kannauj	HASERAN	Safe
6301	Uttar Pradesh	Kannauj	JALALABAD	Over-Exploited
6302	Uttar Pradesh	Kannauj	KANNAUJ	Semi-Critical
6303	Uttar Pradesh	Kannauj	SAURIKH	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6304	Uttar Pradesh	Kannauj	TALGRAM	Over-Exploited
6305	Uttar Pradesh	Kannauj	UMARDA	Safe
6306	Uttar Pradesh	Kanpur Dehat	AKBARPUR	Semi-Critical
6307	Uttar Pradesh	Kanpur Dehat	AMRAUDHA	Safe
6308	Uttar Pradesh	Kanpur Dehat	DERAPUR	Semi-Critical
6309	Uttar Pradesh	Kanpur Dehat	JHINJHAK	Semi-Critical
6310	Uttar Pradesh	Kanpur Dehat	MAITHA	Semi-Critical
6311	Uttar Pradesh	Kanpur Dehat	MALSA	Semi-Critical
6312	Uttar Pradesh	Kanpur Dehat	RAJPUR	Safe
6313	Uttar Pradesh	Kanpur Dehat	RASULABAD	Semi-Critical
6314	Uttar Pradesh	Kanpur Dehat	SANDALPUR	Safe
6315	Uttar Pradesh	Kanpur Dehat	SARWAN KHERA	Semi-Critical
6316	Uttar Pradesh	Kanpur Nagar	BHITARGAON	Safe
6317	Uttar Pradesh	Kanpur Nagar	BIDHNU	Semi-Critical
6318	Uttar Pradesh	Kanpur Nagar	BILHAUR	Semi-Critical
6319	Uttar Pradesh	Kanpur Nagar	CHAUBEPUR	Critical
6320	Uttar Pradesh	Kanpur Nagar	GHATAMPUR	Semi-Critical
6321	Uttar Pradesh	Kanpur Nagar	KAKWAN	Safe
6322	Uttar Pradesh	Kanpur Nagar	KALYANPUR	Safe
6323	Uttar Pradesh	Kanpur Nagar	KANPUR CITY	Critical
6324	Uttar Pradesh	Kanpur Nagar	PATARA	Semi-Critical
6325	Uttar Pradesh	Kanpur Nagar	SARSOL	Semi-Critical
6326	Uttar Pradesh	Kanpur Nagar	SHIVRAJAPUR	Semi-Critical
6327	Uttar Pradesh	Kasganj	AMANPUR	Safe
6328	Uttar Pradesh	Kasganj	GANJDUNDWARA	Critical
6329	Uttar Pradesh	Kasganj	KASGANJ	Semi-Critical
6330	Uttar Pradesh	Kasganj	PATIALI	Semi-Critical
6331	Uttar Pradesh	Kasganj	SAHAWAR	Semi-Critical
6332	Uttar Pradesh	Kasganj	SIDHPURA	Safe
6333	Uttar Pradesh	Kasganj	SORON	Safe
6334	Uttar Pradesh	Kaushambi	CHAIL	Over-Exploited
6335	Uttar Pradesh	Kaushambi	KARA	Semi-Critical
6336	Uttar Pradesh	Kaushambi	KAUSHAMBI	Safe
6337	Uttar Pradesh	Kaushambi	MANJHANPUR	Semi-Critical
6338	Uttar Pradesh	Kaushambi	MURATGANJ	Over-Exploited
6339	Uttar Pradesh	Kaushambi	NEWADA	Semi-Critical
6340	Uttar Pradesh	Kaushambi	SARSAWAN	Safe
6341	Uttar Pradesh	Kaushambi	SIRATHU	Semi-Critical
6342	Uttar Pradesh	Kushi Nagar	DUDHAHI	Safe
6343	Uttar Pradesh	Kushi Nagar	FAZIL NAGAR	Safe
6344	Uttar Pradesh	Kushi Nagar	HATA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6345	Uttar Pradesh	Kushi Nagar	KAPTANGANJ	Safe
6346	Uttar Pradesh	Kushi Nagar	KASYA	Safe
6347	Uttar Pradesh	Kushi Nagar	KHADDA	Safe
6348	Uttar Pradesh	Kushi Nagar	MOTICHAK	Safe
6349	Uttar Pradesh	Kushi Nagar	NEDUA NAURANGIYA	Safe
6350	Uttar Pradesh	Kushi Nagar	PADRAUNA	Safe
6351	Uttar Pradesh	Kushi Nagar	RAMKOLA	Safe
6352	Uttar Pradesh	Kushi Nagar	SIWARHI	Safe
6353	Uttar Pradesh	Kushi Nagar	SUKRAULI	Safe
6354	Uttar Pradesh	Kushi Nagar	TAMKUHI RAJ	Safe
6355	Uttar Pradesh	Kushi Nagar	VISHUNPURWA	Safe
6356	Uttar Pradesh	Lakhimpur Khiri	BANKEYGANJ	Safe
6357	Uttar Pradesh	Lakhimpur Khiri	BEHJAM	Safe
6358	Uttar Pradesh	Lakhimpur Khiri	BIJUA	Safe
6359	Uttar Pradesh	Lakhimpur Khiri	DHAURAHARA	Safe
6360	Uttar Pradesh	Lakhimpur Khiri	ISANAGAR	Safe
6361	Uttar Pradesh	Lakhimpur Khiri	KUMBHIGOLA	Safe
6362	Uttar Pradesh	Lakhimpur Khiri	LAKHIMPUR	Safe
6363	Uttar Pradesh	Lakhimpur Khiri	MITAULI	Safe
6364	Uttar Pradesh	Lakhimpur Khiri	MOHAMMADI	Safe
6365	Uttar Pradesh	Lakhimpur Khiri	NAKAHA	Safe
6366	Uttar Pradesh	Lakhimpur Khiri	NIGHASAN	Safe
6367	Uttar Pradesh	Lakhimpur Khiri	PALIA	Safe
6368	Uttar Pradesh	Lakhimpur Khiri	PASGAWAN	Safe
6369	Uttar Pradesh	Lakhimpur Khiri	PHULBEHAR	Safe
6370	Uttar Pradesh	Lakhimpur Khiri	RAMIABEHAR	Safe
6371	Uttar Pradesh	Lalitpur	BAR	Semi-Critical
6372	Uttar Pradesh	Lalitpur	BIRDHA	Semi-Critical
6373	Uttar Pradesh	Lalitpur	JAKHORA	Semi-Critical
6374	Uttar Pradesh	Lalitpur	MADAORA	Semi-Critical
6375	Uttar Pradesh	Lalitpur	MAHRONI	Semi-Critical
6376	Uttar Pradesh	Lalitpur	TALBEHAT	Semi-Critical
6377	Uttar Pradesh	Lucknow	BAKSHI KA TALAB	Safe
6378	Uttar Pradesh	Lucknow	CHINHAT	Safe
6379	Uttar Pradesh	Lucknow	GOSAIGANJ	Safe
6380	Uttar Pradesh	Lucknow	KAKORI	Safe
6381	Uttar Pradesh	Lucknow	LUCKNOW CITY	Over-Exploited
6382	Uttar Pradesh	Lucknow	MAL	Safe
6383	Uttar Pradesh	Lucknow	MALIHABAD	Safe
6384	Uttar Pradesh	Lucknow	MOHANLALGANJ	Safe
6385	Uttar Pradesh	Lucknow	SAROJNI NAGAR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6386	Uttar Pradesh	Maharajganj	BRIJMANGANJ	Safe
6387	Uttar Pradesh	Maharajganj	DHANI	Safe
6388	Uttar Pradesh	Maharajganj	GHUGHULI	Safe
6389	Uttar Pradesh	Maharajganj	LAKSHMIPUR	Safe
6390	Uttar Pradesh	Maharajganj	MAHARAJGANJ	Safe
6391	Uttar Pradesh	Maharajganj	MITHAURA	Safe
6392	Uttar Pradesh	Maharajganj	NAUTANWA	Safe
6393	Uttar Pradesh	Maharajganj	NICHLAUL	Safe
6394	Uttar Pradesh	Maharajganj	PANIARA	Safe
6395	Uttar Pradesh	Maharajganj	PARTAWAL	Safe
6396	Uttar Pradesh	Maharajganj	PHARENDA	Safe
6397	Uttar Pradesh	Maharajganj	SISWA BAZAR	Safe
6398	Uttar Pradesh	Mahoba	CHARKHARI	Semi-Critical
6399	Uttar Pradesh	Mahoba	JAIPUR	Over-Exploited
6400	Uttar Pradesh	Mahoba	KABRAI	Semi-Critical
6401	Uttar Pradesh	Mahoba	PANWARI	Over-Exploited
6402	Uttar Pradesh	Mainpuri	BARNAHAL	Over-Exploited
6403	Uttar Pradesh	Mainpuri	BEWAR	Safe
6404	Uttar Pradesh	Mainpuri	GHIROR	Safe
6405	Uttar Pradesh	Mainpuri	JAGIR	Semi-Critical
6406	Uttar Pradesh	Mainpuri	KARHAL	Safe
6407	Uttar Pradesh	Mainpuri	KISHNI	Safe
6408	Uttar Pradesh	Mainpuri	KURAWALI	Semi-Critical
6409	Uttar Pradesh	Mainpuri	MAINPURI	Semi-Critical
6410	Uttar Pradesh	Mainpuri	SULTANGANJ	Safe
6411	Uttar Pradesh	Mathura	BALDEO	Critical
6412	Uttar Pradesh	Mathura	CHAUMUHAN	Safe
6413	Uttar Pradesh	Mathura	CHHATA	Safe
6414	Uttar Pradesh	Mathura	FARAH	Semi-Critical
6415	Uttar Pradesh	Mathura	GOVARDHAN	Safe
6416	Uttar Pradesh	Mathura	MAT	Safe
6417	Uttar Pradesh	Mathura	MATHURA	Safe
6418	Uttar Pradesh	Mathura	NANDGAON	Safe
6419	Uttar Pradesh	Mathura	NOHJHIL	Over-Exploited
6420	Uttar Pradesh	Mathura	RAYA	Over-Exploited
6421	Uttar Pradesh	Mau	BADRAON	Safe
6422	Uttar Pradesh	Mau	DOHRI GHAT	Safe
6423	Uttar Pradesh	Mau	FATEHPUR MADRAUN	Safe
6424	Uttar Pradesh	Mau	GHOSI	Safe
6425	Uttar Pradesh	Mau	KOPAGANJ	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6426	Uttar Pradesh	Mau	MOHAMMADABAD	Safe
6427	Uttar Pradesh	Mau	PARDAHA	Safe
6428	Uttar Pradesh	Mau	RANIPUR	Safe
6429	Uttar Pradesh	Mau	RATANPURA	Safe
6430	Uttar Pradesh	Meerut	DAURALA	Safe
6431	Uttar Pradesh	Meerut	HASTINAPUR	Semi-Critical
6432	Uttar Pradesh	Meerut	JANI	Safe
6433	Uttar Pradesh	Meerut	KHARKHODA	Critical
6434	Uttar Pradesh	Meerut	MACHHRA	Critical
6435	Uttar Pradesh	Meerut	MAWANA KALAN	Semi-Critical
6436	Uttar Pradesh	Meerut	MEERUT	Semi-Critical
6437	Uttar Pradesh	Meerut	MEERUT CITY	Over-Exploited
6438	Uttar Pradesh	Meerut	PARICHHATGARH	Semi-Critical
6439	Uttar Pradesh	Meerut	RAJPURA	Critical
6440	Uttar Pradesh	Meerut	ROHTA	Safe
6441	Uttar Pradesh	Meerut	SARDHANA	Safe
6442	Uttar Pradesh	Meerut	SARURPUR	Safe
6443	Uttar Pradesh	Mirzapur	CHANBEY	Semi-Critical
6444	Uttar Pradesh	Mirzapur	CITY	Semi-Critical
6445	Uttar Pradesh	Mirzapur	HALLIA	Safe
6446	Uttar Pradesh	Mirzapur	JAMALPUR	Safe
6447	Uttar Pradesh	Mirzapur	KON	Over-Exploited
6448	Uttar Pradesh	Mirzapur	LALGANJ	Safe
6449	Uttar Pradesh	Mirzapur	MAJHAWAN	Critical
6450	Uttar Pradesh	Mirzapur	MARIHAN	Safe
6451	Uttar Pradesh	Mirzapur	NARAYANPUR	Safe
6452	Uttar Pradesh	Mirzapur	PAHARI	Safe
6453	Uttar Pradesh	Mirzapur	RAJGARH	Safe
6454	Uttar Pradesh	Mirzapur	SIKHAR	Critical
6455	Uttar Pradesh	Moradabad	BHAGATPUR TANDA	Semi-Critical
6456	Uttar Pradesh	Moradabad	BILARI	Critical
6457	Uttar Pradesh	Moradabad	CHHAJLET	Semi-Critical
6458	Uttar Pradesh	Moradabad	DILARI	Semi-Critical
6459	Uttar Pradesh	Moradabad	KUNDARKI (DENGAPUR)	Semi-Critical
6460	Uttar Pradesh	Moradabad	MORADABAD	Semi-Critical
6461	Uttar Pradesh	Moradabad	MORADABAD CITY	Over-Exploited
6462	Uttar Pradesh	Moradabad	MUNDAPANDEY	Semi-Critical
6463	Uttar Pradesh	Moradabad	THAKURDWARA	Safe
6464	Uttar Pradesh	Muzaffarnagar	BHAGHARA	Over-Exploited
6465	Uttar Pradesh	Muzaffarnagar	BUDHANA	Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6466	Uttar Pradesh	Muzaffarnagar	CHARTHAWAL	Semi-Critical
6467	Uttar Pradesh	Muzaffarnagar	JANSATH	Safe
6468	Uttar Pradesh	Muzaffarnagar	KHATAULI	Safe
6469	Uttar Pradesh	Muzaffarnagar	MORNA	Safe
6470	Uttar Pradesh	Muzaffarnagar	MUZAFFARNAGAR	Semi-Critical
6471	Uttar Pradesh	Muzaffarnagar	PURQAJI	Safe
6472	Uttar Pradesh	Muzaffarnagar	SHAHPUR	Semi-Critical
6473	Uttar Pradesh	Pilibhit	AMARIA	Safe
6474	Uttar Pradesh	Pilibhit	BARKHERA	Safe
6475	Uttar Pradesh	Pilibhit	BILSANDA	Safe
6476	Uttar Pradesh	Pilibhit	BISALPUR	Safe
6477	Uttar Pradesh	Pilibhit	LALAUROKHERA	Safe
6478	Uttar Pradesh	Pilibhit	MARAURO	Safe
6479	Uttar Pradesh	Pilibhit	PURANPUR	Safe
6480	Uttar Pradesh	Pratapgarh	ASPUR DEOSARA	Semi-Critical
6481	Uttar Pradesh	Pratapgarh	BABA BELKHAR NATH DH	Semi-Critical
6482	Uttar Pradesh	Pratapgarh	BABAGANJ	Safe
6483	Uttar Pradesh	Pratapgarh	BIHAR	Safe
6484	Uttar Pradesh	Pratapgarh	GAURA	Semi-Critical
6485	Uttar Pradesh	Pratapgarh	KALANKER	Safe
6486	Uttar Pradesh	Pratapgarh	KUNDA	Safe
6487	Uttar Pradesh	Pratapgarh	LAKSHAMANPUR	Semi-Critical
6488	Uttar Pradesh	Pratapgarh	LALGANJ	Semi-Critical
6489	Uttar Pradesh	Pratapgarh	MANDHATA	Critical
6490	Uttar Pradesh	Pratapgarh	MANGARAURA	Semi-Critical
6491	Uttar Pradesh	Pratapgarh	PATTI	Semi-Critical
6492	Uttar Pradesh	Pratapgarh	RAMPUR- SANGRAMGARG	Semi-Critical
6493	Uttar Pradesh	Pratapgarh	SADAR	Critical
6494	Uttar Pradesh	Pratapgarh	SANDWA CHANDIKA	Critical
6495	Uttar Pradesh	Pratapgarh	SANGAIPUR	Safe
6496	Uttar Pradesh	Pratapgarh	SHIVGARH	Critical
6497	Uttar Pradesh	Prayagraj	BAHADURPUR	Semi-Critical
6498	Uttar Pradesh	Prayagraj	BAHARIA	Critical
6499	Uttar Pradesh	Prayagraj	CHAKA	Critical
6500	Uttar Pradesh	Prayagraj	DHANUPUR	Semi-Critical
6501	Uttar Pradesh	Prayagraj	HANDIA	Safe
6502	Uttar Pradesh	Prayagraj	HOLAGARH	Semi-Critical
6503	Uttar Pradesh	Prayagraj	JASRA	Safe
6504	Uttar Pradesh	Prayagraj	KARCHANA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6505	Uttar Pradesh	Prayagraj	KAUDHIYARA	Safe
6506	Uttar Pradesh	Prayagraj	KAURIHAR	Safe
6507	Uttar Pradesh	Prayagraj	KORAON	Safe
6508	Uttar Pradesh	Prayagraj	MANDA	Safe
6509	Uttar Pradesh	Prayagraj	MAUAIMA	Semi-Critical
6510	Uttar Pradesh	Prayagraj	MEJA	Safe
6511	Uttar Pradesh	Prayagraj	PHULPUR	Safe
6512	Uttar Pradesh	Prayagraj	PRATAPPUR	Semi-Critical
6513	Uttar Pradesh	Prayagraj	PRAYAGRAJ CITY	Over-Exploited
6514	Uttar Pradesh	Prayagraj	SAIDABAD	Semi-Critical
6515	Uttar Pradesh	Prayagraj	SHANKARGARH	Safe
6516	Uttar Pradesh	Prayagraj	SORAON	Safe
6517	Uttar Pradesh	Prayagraj	URUWAN	Safe
6518	Uttar Pradesh	Rae Bareli	AMAWAN	Safe
6519	Uttar Pradesh	Rae Bareli	BACHRAWAN	Safe
6520	Uttar Pradesh	Rae Bareli	CHHATOH	Safe
6521	Uttar Pradesh	Rae Bareli	DALMAU	Safe
6522	Uttar Pradesh	Rae Bareli	DEEH	Safe
6523	Uttar Pradesh	Rae Bareli	DEENSAH GAURA	Safe
6524	Uttar Pradesh	Rae Bareli	HARCHANDPUR	Safe
6525	Uttar Pradesh	Rae Bareli	JAGATPUR	Safe
6526	Uttar Pradesh	Rae Bareli	KHIRON	Safe
6527	Uttar Pradesh	Rae Bareli	LALGANJ	Safe
6528	Uttar Pradesh	Rae Bareli	MAHARAJGANJ	Safe
6529	Uttar Pradesh	Rae Bareli	RAHI	Safe
6530	Uttar Pradesh	Rae Bareli	ROHANIYA	Safe
6531	Uttar Pradesh	Rae Bareli	SALON	Safe
6532	Uttar Pradesh	Rae Bareli	SARAINI	Safe
6533	Uttar Pradesh	Rae Bareli	SATAWAN	Safe
6534	Uttar Pradesh	Rae Bareli	SHIVGARH	Safe
6535	Uttar Pradesh	Rae Bareli	UNCHAHAHAR	Safe
6536	Uttar Pradesh	Rampur	BILASPUR	Safe
6537	Uttar Pradesh	Rampur	CHAMRAUWA	Critical
6538	Uttar Pradesh	Rampur	MILAK	Safe
6539	Uttar Pradesh	Rampur	SAID NAGAR	Semi-Critical
6540	Uttar Pradesh	Rampur	SAUR	Semi-Critical
6541	Uttar Pradesh	Rampur	SHAHABAD	Semi-Critical
6542	Uttar Pradesh	S.Kabir Nagar	BAGHAULI	Safe
6543	Uttar Pradesh	S.Kabir Nagar	HAISAR BAZAR	Safe
6544	Uttar Pradesh	S.Kabir Nagar	KHALILABAD	Safe
6545	Uttar Pradesh	S.Kabir Nagar	MEHDAWAL	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6546	Uttar Pradesh	S.Kabir Nagar	NATH NAGAR	Safe
6547	Uttar Pradesh	S.Kabir Nagar	PAULI	Safe
6548	Uttar Pradesh	S.Kabir Nagar	SANTHA	Safe
6549	Uttar Pradesh	S.Kabir Nagar	SEMARIYAWAN	Safe
6550	Uttar Pradesh	S.Kabir Nagar	VELHAR KALAN	Safe
6551	Uttar Pradesh	S.Ravidas Nagar	ABHAULI	Semi-Critical
6552	Uttar Pradesh	S.Ravidas Nagar	AURAI	Semi-Critical
6553	Uttar Pradesh	S.Ravidas Nagar	BHADOHI	Semi-Critical
6554	Uttar Pradesh	S.Ravidas Nagar	DEEGH	Semi-Critical
6555	Uttar Pradesh	S.Ravidas Nagar	GYANPUR	Semi-Critical
6556	Uttar Pradesh	S.Ravidas Nagar	SURIYAWAN	Semi-Critical
6557	Uttar Pradesh	Saharanpur	BALLIA KHERI	Semi-Critical
6558	Uttar Pradesh	Saharanpur	DEOBAND	Semi-Critical
6559	Uttar Pradesh	Saharanpur	GANGOHI	Over-Exploited
6560	Uttar Pradesh	Saharanpur	MUZAFFARABAD	Semi-Critical
6561	Uttar Pradesh	Saharanpur	NAGAL	Over-Exploited
6562	Uttar Pradesh	Saharanpur	NAKUR	Over-Exploited
6563	Uttar Pradesh	Saharanpur	NANAUTA	Semi-Critical
6564	Uttar Pradesh	Saharanpur	PUNWARKA	Safe
6565	Uttar Pradesh	Saharanpur	RAMPUR MANIHARAN	Semi-Critical
6566	Uttar Pradesh	Saharanpur	SADHAULI KADEEM	Critical
6567	Uttar Pradesh	Saharanpur	SARSAWA	Over-Exploited
6568	Uttar Pradesh	Shahjahanpur	BANDA	Safe
6569	Uttar Pradesh	Shahjahanpur	BHAWAL KHERA	Safe
6570	Uttar Pradesh	Shahjahanpur	DADROL	Safe
6571	Uttar Pradesh	Shahjahanpur	JAIPUR	Safe
6572	Uttar Pradesh	Shahjahanpur	JALALABAD	Safe
6573	Uttar Pradesh	Shahjahanpur	KALAN	Safe
6574	Uttar Pradesh	Shahjahanpur	KANTH	Safe
6575	Uttar Pradesh	Shahjahanpur	KATRA	Safe
6576	Uttar Pradesh	Shahjahanpur	KHUTAR	Safe
6577	Uttar Pradesh	Shahjahanpur	MADANAPUR	Safe
6578	Uttar Pradesh	Shahjahanpur	MIRZAPUR	Safe
6579	Uttar Pradesh	Shahjahanpur	NIGOHI	Safe
6580	Uttar Pradesh	Shahjahanpur	PUYAWAN	Safe
6581	Uttar Pradesh	Shahjahanpur	SINDHAULI	Safe
6582	Uttar Pradesh	Shahjahanpur	TILHAR	Safe
6583	Uttar Pradesh	Shamhal	ASMOLI	Semi-Critical
6584	Uttar Pradesh	Shamhal	BAHJOI	Critical
6585	Uttar Pradesh	Shamhal	BANIAKHERA	Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6586	Uttar Pradesh	Shambhal	GUNNAUR	Critical
6587	Uttar Pradesh	Shambhal	JANAWAI	Semi-Critical
6588	Uttar Pradesh	Shambhal	PAWANSA	Critical
6589	Uttar Pradesh	Shambhal	RAJPURA	Safe
6590	Uttar Pradesh	Shambhal	SAMBHAL	Critical
6591	Uttar Pradesh	Shamli	KAIRANA	Over-Exploited
6592	Uttar Pradesh	Shamli	KANDHALA	Over-Exploited
6593	Uttar Pradesh	Shamli	SHAMLI	Over-Exploited
6594	Uttar Pradesh	Shamli	THANA BHAWAN	Semi-Critical
6595	Uttar Pradesh	Shamli	UN	Over-Exploited
6596	Uttar Pradesh	Shrawasti	GILAUULA	Safe
6597	Uttar Pradesh	Shrawasti	HARIHARPUR RANI	Safe
6598	Uttar Pradesh	Shrawasti	IKAUNA	Safe
6599	Uttar Pradesh	Shrawasti	JAMUNAHA	Safe
6600	Uttar Pradesh	Shrawasti	SIRSIYA	Safe
6601	Uttar Pradesh	Siddharth Nagar	BANSI	Safe
6602	Uttar Pradesh	Siddharth Nagar	BARHANI	Safe
6603	Uttar Pradesh	Siddharth Nagar	BHANWAPUR	Safe
6604	Uttar Pradesh	Siddharth Nagar	BIRDPUR	Safe
6605	Uttar Pradesh	Siddharth Nagar	DOMARIAGANJ	Safe
6606	Uttar Pradesh	Siddharth Nagar	ITWA	Safe
6607	Uttar Pradesh	Siddharth Nagar	JOGIYA	Safe
6608	Uttar Pradesh	Siddharth Nagar	KHESRHA	Safe
6609	Uttar Pradesh	Siddharth Nagar	KHUNIYAW	Safe
6610	Uttar Pradesh	Siddharth Nagar	LOTAN	Safe
6611	Uttar Pradesh	Siddharth Nagar	MITHWAL	Safe
6612	Uttar Pradesh	Siddharth Nagar	NAUGARH	Safe
6613	Uttar Pradesh	Siddharth Nagar	SHOHATGARH	Safe
6614	Uttar Pradesh	Siddharth Nagar	USKA BAZAR	Safe
6615	Uttar Pradesh	Sitapur	AILIA	Safe
6616	Uttar Pradesh	Sitapur	BEHTA	Safe
6617	Uttar Pradesh	Sitapur	BISWAN	Safe
6618	Uttar Pradesh	Sitapur	GONDLAMAU	Safe
6619	Uttar Pradesh	Sitapur	HARGAON	Safe
6620	Uttar Pradesh	Sitapur	KASMANDA	Safe
6621	Uttar Pradesh	Sitapur	KHAIRABAD	Safe
6622	Uttar Pradesh	Sitapur	LAHARPUR	Safe
6623	Uttar Pradesh	Sitapur	MACHHREHTA	Safe
6624	Uttar Pradesh	Sitapur	MAHMUDABAD	Safe
6625	Uttar Pradesh	Sitapur	MAHOLI	Safe
6626	Uttar Pradesh	Sitapur	MISRIKH	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6627	Uttar Pradesh	Sitapur	PAHALA	Safe
6628	Uttar Pradesh	Sitapur	PARSENDI	Safe
6629	Uttar Pradesh	Sitapur	PISAWAN	Safe
6630	Uttar Pradesh	Sitapur	RAMPUR MATHURA	Safe
6631	Uttar Pradesh	Sitapur	REWSA	Safe
6632	Uttar Pradesh	Sitapur	SAKRAN	Safe
6633	Uttar Pradesh	Sitapur	SIDHAULI	Safe
6634	Uttar Pradesh	Sonbhadra	BABHANI	Safe
6635	Uttar Pradesh	Sonbhadra	CHATRA	Safe
6636	Uttar Pradesh	Sonbhadra	CHOPAN	Safe
6637	Uttar Pradesh	Sonbhadra	DUDHI	Semi-Critical
6638	Uttar Pradesh	Sonbhadra	GHORAWAL	Safe
6639	Uttar Pradesh	Sonbhadra	MYORPUR	Safe
6640	Uttar Pradesh	Sonbhadra	NAGAWA	Semi-Critical
6641	Uttar Pradesh	Sonbhadra	ROBERTSGANJ	Safe
6642	Uttar Pradesh	Sultanpur	AKHAND NAGAR	Safe
6643	Uttar Pradesh	Sultanpur	BALDIRAI	Safe
6644	Uttar Pradesh	Sultanpur	BHADAIYAN	Safe
6645	Uttar Pradesh	Sultanpur	DHANPATGANJ	Safe
6646	Uttar Pradesh	Sultanpur	DOSTPUR	Safe
6647	Uttar Pradesh	Sultanpur	DUBEPUR	Safe
6648	Uttar Pradesh	Sultanpur	JAI SINGHPUR	Safe
6649	Uttar Pradesh	Sultanpur	KADIPUR	Safe
6650	Uttar Pradesh	Sultanpur	KUREBHAR	Safe
6651	Uttar Pradesh	Sultanpur	KURWAR	Safe
6652	Uttar Pradesh	Sultanpur	LAMBHUA	Safe
6653	Uttar Pradesh	Sultanpur	MOTIGARPUR	Safe
6654	Uttar Pradesh	Sultanpur	P.P. KANNAICHA	Safe
6655	Uttar Pradesh	Unnao	ASOHA	Safe
6656	Uttar Pradesh	Unnao	AURAS	Safe
6657	Uttar Pradesh	Unnao	BANGARMAU	Safe
6658	Uttar Pradesh	Unnao	BICHHIA	Safe
6659	Uttar Pradesh	Unnao	BIGHAPUR	Safe
6660	Uttar Pradesh	Unnao	FATEHPUR CHAURASI	Safe
6661	Uttar Pradesh	Unnao	GANG MURADABAD	Safe
6662	Uttar Pradesh	Unnao	HASANGANJ	Safe
6663	Uttar Pradesh	Unnao	HILAULI	Safe
6664	Uttar Pradesh	Unnao	MIANGANJ	Safe
6665	Uttar Pradesh	Unnao	NAWABGANJ	Safe
6666	Uttar Pradesh	Unnao	PURWA	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6667	Uttar Pradesh	Unnao	SAFIPUR	Safe
6668	Uttar Pradesh	Unnao	SIKANDAR SIRAUSI	Safe
6669	Uttar Pradesh	Unnao	SIKANDARPUR KARAN	Safe
6670	Uttar Pradesh	Unnao	SUMERPUR	Safe
6671	Uttar Pradesh	Varanasi	ARAZILINE	Over-Exploited
6672	Uttar Pradesh	Varanasi	BARAGAON	Semi-Critical
6673	Uttar Pradesh	Varanasi	CHIRAIGAON	Semi-Critical
6674	Uttar Pradesh	Varanasi	CHOLAPUR	Safe
6675	Uttar Pradesh	Varanasi	HARAHUA	Over-Exploited
6676	Uttar Pradesh	Varanasi	KASHI VIDYAPITH	Semi-Critical
6677	Uttar Pradesh	Varanasi	PINDRA	Semi-Critical
6678	Uttar Pradesh	Varanasi	SEVAPURI	Semi-Critical
6679	Uttar Pradesh	Varanasi	VARANASI CITY	Over-Exploited
6680	Uttarakhand	Dehradun	DOIWALA	Safe
6681	Uttarakhand	Dehradun	SAHASPUR	Safe
6682	Uttarakhand	Dehradun	VIKASHNAGAR	Safe
6683	Uttarakhand	Haridwar	BAHADRABAD	Semi-Critical
6684	Uttarakhand	Haridwar	BHAGWANPUR	Semi-Critical
6685	Uttarakhand	Haridwar	GURUKUL NARSEN	Safe
6686	Uttarakhand	Haridwar	KHANPUR	Safe
6687	Uttarakhand	Haridwar	LUKSAR	Safe
6688	Uttarakhand	Haridwar	ROORKEE	Safe
6689	Uttarakhand	Nainital	HALDWANI	Semi-Critical
6690	Uttarakhand	Nainital	RAMNAGAR	Safe
6691	Uttarakhand	Udham Singh Nagar	BAZPUR	Safe
6692	Uttarakhand	Udham Singh Nagar	GADARPUR	Safe
6693	Uttarakhand	Udham Singh Nagar	JASPUR	Safe
6694	Uttarakhand	Udham Singh Nagar	KASHIPUR	Semi-Critical
6695	Uttarakhand	Udham Singh Nagar	KHATIMA	Safe
6696	Uttarakhand	Udham Singh Nagar	RUDRAPUR	Safe
6697	Uttarakhand	Udham Singh Nagar	SITARGANJ	Safe
6698	West Bengal	Bankura	BANKURA- I	Safe
6699	West Bengal	Bankura	BANKURA- II	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6700	West Bengal	Bankura	BISHNUPUR	Semi-Critical
6701	West Bengal	Bankura	BORJORA	Safe
6702	West Bengal	Bankura	CHHATNA	Safe
6703	West Bengal	Bankura	GANGAJALGHATI	Safe
6704	West Bengal	Bankura	HIRBUNDH	Safe
6705	West Bengal	Bankura	INDAS	Safe
6706	West Bengal	Bankura	INDPUR	Safe
6707	West Bengal	Bankura	JOYPUR	Safe
6708	West Bengal	Bankura	KHATRA	Safe
6709	West Bengal	Bankura	KOTULPUR	Safe
6710	West Bengal	Bankura	MEJHIA	Safe
6711	West Bengal	Bankura	ONDA	Safe
6712	West Bengal	Bankura	PATRASAYER	Safe
6713	West Bengal	Bankura	RAIPUR	Safe
6714	West Bengal	Bankura	RANIBANDH	Safe
6715	West Bengal	Bankura	SALTORA	Safe
6716	West Bengal	Bankura	SARENGA	Safe
6717	West Bengal	Bankura	SIMLAPAL	Safe
6718	West Bengal	Bankura	SONAMUKHI	Safe
6719	West Bengal	Bankura	TALDANGRA	Safe
6720	West Bengal	Birbhum	BOLPUR-SRINIKETAN	Safe
6721	West Bengal	Birbhum	DUBRAJPUR	Safe
6722	West Bengal	Birbhum	ILLAMBAZAR	Safe
6723	West Bengal	Birbhum	KHAYRASOLE	Safe
6724	West Bengal	Birbhum	LABHPUR	Semi-Critical
6725	West Bengal	Birbhum	MAYURESWAR-I	Safe
6726	West Bengal	Birbhum	MAYURESWAR-II	Safe
6727	West Bengal	Birbhum	MOHAMMADBAZAR	Safe
6728	West Bengal	Birbhum	MURARAI-I	Safe
6729	West Bengal	Birbhum	MURARAI-II	Semi-Critical
6730	West Bengal	Birbhum	NALHATI-I	Safe
6731	West Bengal	Birbhum	NALHATI-II	Semi-Critical
6732	West Bengal	Birbhum	NANOOR	Semi-Critical
6733	West Bengal	Birbhum	RAJNAGAR	Safe
6734	West Bengal	Birbhum	RAMPURHAT-I	Safe
6735	West Bengal	Birbhum	RAMPURHAT-II	Semi-Critical
6736	West Bengal	Birbhum	SAINTHIA	Semi-Critical
6737	West Bengal	Birbhum	SURI-I	Safe
6738	West Bengal	Birbhum	SURI-II	Safe
6739	West Bengal	Burdwan	ANDAL - PANDAVESWAR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6740	West Bengal	Burdwan	ASANSOL MUNICIPAL COPORATION	Safe
6741	West Bengal	Burdwan	AUSGRAM-I	Safe
6742	West Bengal	Burdwan	AUSGRAM-II	Safe
6743	West Bengal	Burdwan	BARABANI	Safe
6744	West Bengal	Burdwan	BHATAR	Semi-Critical
6745	West Bengal	Burdwan	BURDWAN-I	Safe
6746	West Bengal	Burdwan	BURDWAN-II	Safe
6747	West Bengal	Burdwan	DURGAPUR-FARIDPUR	Safe
6748	West Bengal	Burdwan	GALSI-I	Safe
6749	West Bengal	Burdwan	GALSI-II	Safe
6750	West Bengal	Burdwan	JAMALPUR	Safe
6751	West Bengal	Burdwan	JAMURIA	Safe
6752	West Bengal	Burdwan	KALNA-I	Safe
6753	West Bengal	Burdwan	KALNA-II	Semi-Critical
6754	West Bengal	Burdwan	KANKSA	Safe
6755	West Bengal	Burdwan	KATWA-I	Semi-Critical
6756	West Bengal	Burdwan	KATWA-II	Semi-Critical
6757	West Bengal	Burdwan	KETUGRAM-I	Semi-Critical
6758	West Bengal	Burdwan	KETUGRAM-II	Semi-Critical
6759	West Bengal	Burdwan	KHANDAGHOSH	Safe
6760	West Bengal	Burdwan	KULTI MUNICIPALITY	Safe
6761	West Bengal	Burdwan	MEMARI-I	Safe
6762	West Bengal	Burdwan	MEMARI-II	Semi-Critical
6763	West Bengal	Burdwan	MONGALKOTE	Semi-Critical
6764	West Bengal	Burdwan	MONTESWAR	Semi-Critical
6765	West Bengal	Burdwan	PURBASTHALI-I	Safe
6766	West Bengal	Burdwan	PURBASTHALI-II	Safe
6767	West Bengal	Burdwan	RAINA-I	Semi-Critical
6768	West Bengal	Burdwan	RAINA-I I	Semi-Critical
6769	West Bengal	Burdwan	RANIGANJ	Safe
6770	West Bengal	Burdwan	SALANPUR	Safe
6771	West Bengal	Coochbehar	COOCHBEHAR-I	Safe
6772	West Bengal	Coochbehar	COOCHBEHAR-II	Safe
6773	West Bengal	Coochbehar	DINHATA-I	Safe
6774	West Bengal	Coochbehar	DINHATA-II	Safe
6775	West Bengal	Coochbehar	HALDIBARI	Safe
6776	West Bengal	Coochbehar	MATHABHANGA-I	Safe
6777	West Bengal	Coochbehar	MATHABHANGA-II	Safe
6778	West Bengal	Coochbehar	MEKHLIGANJ	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6779	West Bengal	Coochbehar	SITAI	Safe
6780	West Bengal	Coochbehar	SITALKUCHI	Safe
6781	West Bengal	Coochbehar	TUFANGANJ-I	Safe
6782	West Bengal	Coochbehar	TUFANGANJ-II	Safe
6783	West Bengal	Dakshin Dinajpur	BALURGHAT	Safe
6784	West Bengal	Dakshin Dinajpur	BANSIHARI	Safe
6785	West Bengal	Dakshin Dinajpur	GANGARAMPUR	Safe
6786	West Bengal	Dakshin Dinajpur	HARIRAMPUR	Safe
6787	West Bengal	Dakshin Dinajpur	HILLI	Safe
6788	West Bengal	Dakshin Dinajpur	KUMARGANJ	Safe
6789	West Bengal	Dakshin Dinajpur	KUSHMANDI	Safe
6790	West Bengal	Dakshin Dinajpur	TAPAN	Safe
6791	West Bengal	Darjeeling	KHARIBARI-PHANSIDEWA	Safe
6792	West Bengal	Darjeeling	SILIGURI-NAKSALBARI	Safe
6793	West Bengal	Hooghly	ARAMBAG	Semi-Critical
6794	West Bengal	Hooghly	BALAGARH	Safe
6795	West Bengal	Hooghly	CHANDITALA-I	Semi-Critical
6796	West Bengal	Hooghly	CHANDITALA-II	Semi-Critical
6797	West Bengal	Hooghly	CHINSURAH-MOGRAM	Safe
6798	West Bengal	Hooghly	DHANIAKHALI	Semi-Critical
6799	West Bengal	Hooghly	GOGHAT-I	Semi-Critical
6800	West Bengal	Hooghly	GOGHAT-II	Critical
6801	West Bengal	Hooghly	HARIPAL	Safe
6802	West Bengal	Hooghly	JANGIPARA	Semi-Critical
6803	West Bengal	Hooghly	KHANAKUL-I	Semi-Critical
6804	West Bengal	Hooghly	KHANAKUL-II	Safe
6805	West Bengal	Hooghly	PANDUA	Semi-Critical
6806	West Bengal	Hooghly	POLBA-DADPUR	Semi-Critical
6807	West Bengal	Hooghly	PURSHURA	Semi-Critical
6808	West Bengal	Hooghly	SERAMPUR-UTTARPARA	Safe
6809	West Bengal	Hooghly	SINGUR	Semi-Critical
6810	West Bengal	Hooghly	TARAKESWAR	Semi-Critical
6811	West Bengal	Howrah	AMTA-I	Safe
6812	West Bengal	Howrah	AMTA-II	Safe
6813	West Bengal	Howrah	DOMJUR	Safe
6814	West Bengal	Howrah	JAGATBALLAVPUR	Safe
6815	West Bengal	Howrah	UDAYNARAYANPUR	Safe
6816	West Bengal	Jalpaiguri	ALIPURDUAR-I	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6817	West Bengal	Jalpaiguri	ALIPURDUAR-II	Safe
6818	West Bengal	Jalpaiguri	DHUPGURUI	Safe
6819	West Bengal	Jalpaiguri	FALAKATA	Safe
6820	West Bengal	Jalpaiguri	JALPAIGURI SADAR	Safe
6821	West Bengal	Jalpaiguri	KUMARGRAM	Safe
6822	West Bengal	Jalpaiguri	MAYNAGURI	Safe
6823	West Bengal	Jalpaiguri	RAIGANJ	Safe
6824	West Bengal	Malda	BAMONGOLA	Safe
6825	West Bengal	Malda	CHANCHOL-I	Safe
6826	West Bengal	Malda	CHANCHOL-II	Safe
6827	West Bengal	Malda	ENGLISHBAZAR	Safe
6828	West Bengal	Malda	GAJOLE	Safe
6829	West Bengal	Malda	HABIBPUR	Semi-Critical
6830	West Bengal	Malda	HARISHCHANDRAPUR-I	Safe
6831	West Bengal	Malda	HARISHCHANDRAPUR-II	Safe
6832	West Bengal	Malda	KALIACHAK-I	Safe
6833	West Bengal	Malda	KALIACHAK-II	Safe
6834	West Bengal	Malda	KALIACHAK-III	Safe
6835	West Bengal	Malda	MANICKCHAK	Safe
6836	West Bengal	Malda	OLD MALDA	Safe
6837	West Bengal	Malda	RATUA-I	Safe
6838	West Bengal	Malda	RATUA-II	Safe
6839	West Bengal	Murshidabad	BARWAN	Semi-Critical
6840	West Bengal	Murshidabad	BELDANGA-I	Safe
6841	West Bengal	Murshidabad	BELDANGA-II	Safe
6842	West Bengal	Murshidabad	BERHAMPUR	Safe
6843	West Bengal	Murshidabad	BHAGABANGOLA-I	Semi-Critical
6844	West Bengal	Murshidabad	BHAGABANGOLA-II	Semi-Critical
6845	West Bengal	Murshidabad	BHARATPUR-I	Semi-Critical
6846	West Bengal	Murshidabad	BHARATPUR-II	Semi-Critical
6847	West Bengal	Murshidabad	DOMKAL	Semi-Critical
6848	West Bengal	Murshidabad	FARRAKA	Safe
6849	West Bengal	Murshidabad	HARIHARPARA	Safe
6850	West Bengal	Murshidabad	JALANGI	Semi-Critical
6851	West Bengal	Murshidabad	KANDI	Semi-Critical
6852	West Bengal	Murshidabad	KHARGRAM	Semi-Critical
6853	West Bengal	Murshidabad	LALGOLA	Semi-Critical
6854	West Bengal	Murshidabad	MUR-JIAGANJ	Semi-Critical
6855	West Bengal	Murshidabad	NABAGRAM	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6856	West Bengal	Murshidabad	NOWDA	Semi-Critical
6857	West Bengal	Murshidabad	RAGHUNATHGANJ-I	Safe
6858	West Bengal	Murshidabad	RAGHUNATHGANJ-II	Safe
6859	West Bengal	Murshidabad	RANINAGAR-I	Semi-Critical
6860	West Bengal	Murshidabad	RANINAGAR-II	Semi-Critical
6861	West Bengal	Murshidabad	SAGARDIGHI	Semi-Critical
6862	West Bengal	Murshidabad	SAMSERGANJ	Safe
6863	West Bengal	Murshidabad	SUTI-I	Safe
6864	West Bengal	Murshidabad	SUTI-II	Semi-Critical
6865	West Bengal	Nadia	CHAKDAHA	Safe
6866	West Bengal	Nadia	CHAPRA	Semi-Critical
6867	West Bengal	Nadia	HANSKHALI	Semi-Critical
6868	West Bengal	Nadia	HARINGHATA	Safe
6869	West Bengal	Nadia	KALIGUNJ	Semi-Critical
6870	West Bengal	Nadia	KARIMPUR-I	Semi-Critical
6871	West Bengal	Nadia	KARIMPUR-II	Semi-Critical
6872	West Bengal	Nadia	KRISHNAGANJ	Semi-Critical
6873	West Bengal	Nadia	KRISHNAGAR-I	Semi-Critical
6874	West Bengal	Nadia	KRISHNAGAR-II	Safe
6875	West Bengal	Nadia	NABADWIP	Safe
6876	West Bengal	Nadia	NAKASHIPARA	Semi-Critical
6877	West Bengal	Nadia	RANAGHAT-I	Safe
6878	West Bengal	Nadia	RANAGHAT-II	Semi-Critical
6879	West Bengal	Nadia	SHANTIPUR	Safe
6880	West Bengal	Nadia	TEHATTA-I	Semi-Critical
6881	West Bengal	Nadia	TEHATTA-II	Semi-Critical
6882	West Bengal	North 24-Parganas	AMDANGA	Safe
6883	West Bengal	North 24-Parganas	BADURIA	Safe
6884	West Bengal	North 24-Parganas	BAGDAH	Safe
6885	West Bengal	North 24-Parganas	BARASAT-I	Safe
6886	West Bengal	North 24-Parganas	BARASAT-II	Safe
6887	West Bengal	North 24-Parganas	BARRACKPORE-I	Safe
6888	West Bengal	North 24-Parganas	BARRACKPORE-II	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6889	West Bengal	North 24-Parganas	BASIRHAT-I	Safe
6890	West Bengal	North 24-Parganas	BASIRHAT-II	Safe
6891	West Bengal	North 24-Parganas	BONGAON	Safe
6892	West Bengal	North 24-Parganas	DEGANGA	Safe
6893	West Bengal	North 24-Parganas	GAIGHATA	Safe
6894	West Bengal	North 24-Parganas	HABRA-I	Safe
6895	West Bengal	North 24-Parganas	HABRA-II	Safe
6896	West Bengal	North 24-Parganas	HAROA	Safe
6897	West Bengal	North 24-Parganas	RAJARHAT	Safe
6898	West Bengal	North 24-Parganas	SWARUPNAGAR	Safe
6899	West Bengal	Paschim Medinipore	BINPUR-I	Safe
6900	West Bengal	Paschim Medinipore	BINPUR-II	Safe
6901	West Bengal	Paschim Medinipore	CHANDRAKONA-I	Safe
6902	West Bengal	Paschim Medinipore	CHANDRAKONA-II	Semi-Critical
6903	West Bengal	Paschim Medinipore	DANTAN-I	Safe
6904	West Bengal	Paschim Medinipore	DANTAN-II	Semi-Critical
6905	West Bengal	Paschim Medinipore	DASPUR-I	Safe
6906	West Bengal	Paschim Medinipore	DASPUR-II	Semi-Critical
6907	West Bengal	Paschim Medinipore	DEBRA	Semi-Critical
6908	West Bengal	Paschim Medinipore	GARBETA- I	Safe

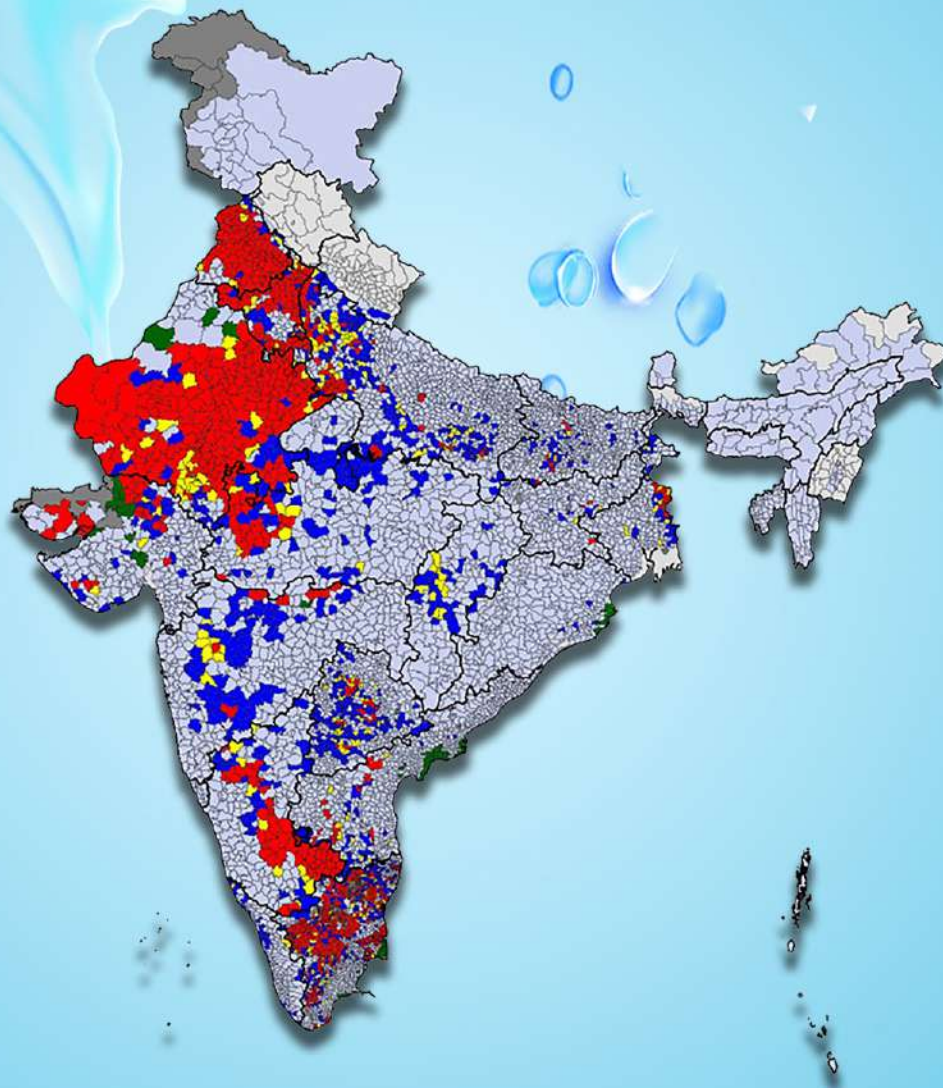
Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6909	West Bengal	Paschim Medinipore	GARBETA -II	Safe
6910	West Bengal	Paschim Medinipore	GARBETA -III	Safe
6911	West Bengal	Paschim Medinipore	GHATAL	Semi-Critical
6912	West Bengal	Paschim Medinipore	GOIBALLAVPUR-I	Safe
6913	West Bengal	Paschim Medinipore	GOIBALLAVPUR-II	Safe
6914	West Bengal	Paschim Medinipore	JAMBONI	Safe
6915	West Bengal	Paschim Medinipore	JHARGRAM	Safe
6916	West Bengal	Paschim Medinipore	KESHIARY	Safe
6917	West Bengal	Paschim Medinipore	KESHPUR	Safe
6918	West Bengal	Paschim Medinipore	KHARAGPUR-I	Safe
6919	West Bengal	Paschim Medinipore	KHARAGPUR-II	Safe
6920	West Bengal	Paschim Medinipore	MIDNAPORE SADAR	Safe
6921	West Bengal	Paschim Medinipore	MOHANPUR	Safe
6922	West Bengal	Paschim Medinipore	NARAYANAGARH	Safe
6923	West Bengal	Paschim Medinipore	NAYAGRAM	Safe
6924	West Bengal	Paschim Medinipore	PINGLA	Semi-Critical
6925	West Bengal	Paschim Medinipore	SABANG	Semi-Critical
6926	West Bengal	Paschim Medinipore	SALBONI	Safe
6927	West Bengal	Paschim Medinipore	SANKRAIL	Safe
6928	West Bengal	Purba Medinipore	BHAGAWANPUR-I	Semi-Critical

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6929	West Bengal	Purba Medinipore	BHAGAWANPUR-II	Semi-Critical
6930	West Bengal	Purba Medinipore	EGRA-I	Semi-Critical
6931	West Bengal	Purba Medinipore	EGRA-II	Semi-Critical
6932	West Bengal	Purba Medinipore	KOLAGHAT (PANSKURA-II)	Semi-Critical
6933	West Bengal	Purba Medinipore	MOYNA	Semi-Critical
6934	West Bengal	Purba Medinipore	PANSKURA (PANSKURA-I)	Semi-Critical
6935	West Bengal	Purba Medinipore	POTASHPUR-I	Semi-Critical
6936	West Bengal	Purba Medinipore	POTASHPUR-II	Semi-Critical
6937	West Bengal	Purulia	ARSHA	Safe
6938	West Bengal	Purulia	BAGHMUNDI	Safe
6939	West Bengal	Purulia	BALARAMPUR	Safe
6940	West Bengal	Purulia	BANDWAN	Safe
6941	West Bengal	Purulia	BARABAZAR	Safe
6942	West Bengal	Purulia	HURA	Safe
6943	West Bengal	Purulia	JHALDA-I	Safe
6944	West Bengal	Purulia	JHALDA-II	Safe
6945	West Bengal	Purulia	JOYPUR	Safe
6946	West Bengal	Purulia	KASHIPUR	Safe
6947	West Bengal	Purulia	MANBAZAR-I	Safe
6948	West Bengal	Purulia	MANBAZAR-II	Safe
6949	West Bengal	Purulia	NETURIA	Safe
6950	West Bengal	Purulia	PARA	Safe
6951	West Bengal	Purulia	PUNCHA	Safe
6952	West Bengal	Purulia	PURULIA-I	Safe
6953	West Bengal	Purulia	PURULIA-II	Safe
6954	West Bengal	Purulia	RAGHUNATHPUR-I	Safe
6955	West Bengal	Purulia	RAGHUNATHPUR-II	Safe
6956	West Bengal	Purulia	SANTURI	Safe
6957	West Bengal	Uttar Dinajpur	CHOPRA	Safe
6958	West Bengal	Uttar Dinajpur	GOALPOKHAR-I	Safe
6959	West Bengal	Uttar Dinajpur	GOALPUKUR-II	Safe
6960	West Bengal	Uttar Dinajpur	HEMTABAD	Safe
6961	West Bengal	Uttar Dinajpur	ISLAMPUR	Safe

Block wise Ground Water Resource Assessment-2020				
Sl. No	State	District	Assessment Unit Name	Categorization (Over-Exploited/ Critical/ SemiCritical/ Safe/Saline)
6962	West Bengal	Uttar Dinajpur	ITAHAR	Safe
6963	West Bengal	Uttar Dinajpur	KALIAGANJ	Safe
6964	West Bengal	Uttar Dinajpur	KARANDIGHI	Safe
6965	West Bengal	Uttar Dinajpur	RAIGANJ	Safe



**National Compilation on
DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020**



Central Ground Water Board
Department of Water Resources,
River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Government of India

**National Compilation on
DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020**



**Central Ground Water Board
Department of Water Resources,
River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Government of India**

**Faridabad
June, 2021**

गजेन्द्र सिंह शेखावत
Gajendra Singh Shekhawat



सत्यमेव जयते



जल शक्ति मंत्री
भारत सरकार
Minister for Jal Shakti
Government of India

MESSAGE

A scarce natural resource, water is fundamental to life, livelihood, food security and sustainable development. Ground water has emerged as the backbone of India's agriculture and drinking water security. Decline in water levels in response to ground water withdrawal exceeding its annual replenishment has emerged as a concern in parts of the country in the last few decades. This situation calls for effective management of the limited ground water resources of the country to ensure its long-term sustainability. It is crucial that pragmatic decisions for sustainable ground water management are based on realistic assessment of the resource availability. Periodic assessments of dynamic ground water resources ensure availability of information related to annual replenishment, utilization and availability of ground water for various stake-holders for all the assessment units in the country.

Dynamic ground water resources of India are being assessed once every three years, jointly by State Governments and the Central Ground Water Board. The assessment of ground water resources forms the basis for categorization of assessment units in the country as Safe, Semi-Critical, Critical or Over Exploited depending upon the extraction levels. The category of an assessment unit may be considered as an important parameter for developing policies for ground water sustainable management in the country.

I am hopeful that the 'National Compilation on Dynamic Ground Water Resources of India, 2020' by providing authentic information on ground water resources availability in the country, will guide policy makers and other stakeholders to arrive at decisions and strategies for sustainable management of this vital natural resource. I also believe that this will help enlighten the stakeholders about the present status of ground water availability and guide them to adopt measures for its optimal use to ensure a water secure future for the country.

(GAJENDRA SINGH SHEKHAWAT)



जल शक्ति
अभियान
संयुक्त जल, बेहतर कल

रतन लाल कटारिया
RATTAN LAL KATARIA



जल शक्ति
और सामाजिक न्याय एवं अधिकारिता राज्य मंत्री
भारत सरकार
नई दिल्ली-110001
MINISTER OF STATE FOR
JAL SHAKTI AND SOCIAL JUSTICE & EMPOWERMENT
GOVERNMENT OF INDIA
NEW DELHI - 110001

MESSAGE

India, with a geographical area of nearly 33 Lakh Sq KM is home to nearly 16 % of the world population but is endowed with only 4 % of its freshwater resources. Further, there is huge inequality in the distribution of water resources within the country. Ground water, which is one of the primary source of drinking water in the country is also an important source of water for irrigation and industrial uses. Nearly 70 % of the ground water resources available in the country are confined to the Indo-Ganga-Brahmaputra plains covering only 30 % of the geographical area. In this scenario, proper management and development of the limited ground water resources available in an area assumes utmost importance.

Management of ground water requires a structured approach, commencing with assessment of its availability and utilization, followed by periodic monitoring of water levels and its quality, analysis of hazards impacting the ground water regime and finally, developing management strategies for ensuring its long-term sustainability. Realistic assessment of dynamic ground water resources is a significant step in this direction. Central Ground Water Board (CGWB), jointly with State Ground water Departments, carry out periodic assessments of ground water resources of the entire country. These assessments form the basis for planning ground various ground water management interventions including managed aquifer recharge, regulation of ground water use etc. The 'National Compilation on Dynamic Ground Water Resources of India, 2020' is the compilation of the results of the latest such assessment.

I would like to congratulate Central Ground Water Board and the State/ UT Ground Water Departments for their efforts for bringing out the comprehensive report on such an important matter. I firmly believe that the report would serve as an excellent source material for all stakeholders involved in ground water management in the country.


(Rattan Lal Kataria)



215, श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली -110 001, 215, Shram Shakti Bhawan, Rafi Marg, New Delhi-110 001

दूरभाष : (011) 23708419, 23718759, फैक्स : 011-23354496, Tel. : (011) 23708419, 23718759, Fax : 011-23354496

Delhi Residence : 2, Tughlak Lane, New Delhi, Phone : 011-23018776

Residence : 352, Katariya Kunj, Mata Mansa Devi Complex, Sector-4, Panchkula, Haryana, Tel. : 0172-2555352,



॥ नमामि गंगे ॥
निर्दाल अविनाश नोबधाय ॥

पंकज कुमार
PANKAJ KUMAR
सचिव

SECRETARY

Tel. : 23710305, 23715919

Fax : 23731553

E-mail : secy-mowr@nic.in



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
श्रम शक्ति भवन
रफी मार्ग, नई दिल्ली-110 001

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
SHRAM SHAKTI BHAWAN
RAFI MARG, NEW DELHI-110 001
<http://www.mowr.gov.in>



MESSAGE

Groundwater is an integral part of the hydrological cycle and a valuable natural resource. It is the primary source of water for drinking and domestic use in the country. It is also an important source of fresh water for agriculture and industrial use. Withdrawal of groundwater in excess of its natural replenishment for meeting the increased demands of various sectors has resulted in its depletion in certain parts of the country. The result is declining groundwater levels, de-saturation of aquifers, deterioration of water quality etc. On the other hand, available dynamic groundwater resources are under-utilized in certain other parts of the country such as parts of eastern and north-eastern States.

Groundwater needs to be used and managed in a sustainable way to ensure its long-term sustainability. Availability of information on status of groundwater resources in the country is required to facilitate effective management decisions by the policy planners.

Assessment of dynamic groundwater resources of India, following the methodology recommended by the Groundwater Estimation Committee - 2015 is being undertaken currently once every three years. These assessments are being undertaken jointly by Central Ground Water Board and State/UT Ground Water Departments under the overall guidance of an Expert Group constituted by the Ministry. The report titled 'National Compilation on Dynamic Ground Water Resources of India, 2020' summarizes the results of the assessment, primarily in terms of resource availability, utilization, present status of utilization as a percent of available resources and categorization of the assessment unit, compiled from the State/UT wise assessments.

I appreciate the efforts of the Central Ground Water Board led by its Chairman, Shri G.C. Pati, and the guidance provided by the team led by Shri Subodh Yadav, Joint Secretary (A, GW & IC), DoWR, RD & GR in bringing out this publication. I have no doubt that this compilation will be of significant use to all administrators, planners and other stakeholders involved in formulation of strategies and interventions towards long term sustainability of groundwater.

(Pankaj Kumar)

जल संरक्षण - जीवन संरक्षण
Conserve Water - Save Life



G C Pati
Chairman



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केंद्रीय भूमि जल बोर्ड

Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga
Rejuvenation
Central Ground Water Board

FOREWORD

Water is crucial to life on Earth. It is vital for the growth of economy and a critical component of ecology. Owing to its universal availability, easy access and low capital cost for extraction, ground water has become the most preferred source of fresh water for various uses in India. The ever-increasing water demands have led to extraction of ground water in excess of its annual replenishment in several parts of the country. This has, consequently, resulted in adverse environmental impacts including declining ground water levels and deterioration of its quality. Ground water acts as a buffer in times of drought and is a resilient resource for mitigating the effects of climate change. It needs to be managed judiciously to ensure its long term sustainability. A proper understanding of the status of availability and utilization of ground water resources is essential for its management. It is in this context that periodic assessment of ground water resources assumes significance.

The report titled 'National Compilation on Dynamic Groundwater Resources of India, 2020' is a compilation of State/UT – wise assessments, carried out jointly by CGWB and State/UT Ground water Departments under the supervision of respective State/UT level Committees; under overall guidance of Central Level Expert Group. The dynamic groundwater resources of India are assessed following the Groundwater Estimation Methodology, 2015 (GEC-2015), which takes into account all the relevant parameters contributing to ground water recharge and extraction. For the first time, all computations for the assessment of ground water resources have been automated and done in a GIS environment through a web based application namely “INDIA-GROUNDWATER RESOURCE ESTIMATION SYSTEM (IN-GRES)” developed in collaboration with IIT-Hyderabad. This application provides a common and standardized platform for the assessment of dynamic Ground Water Resource for the entire country. This application will also help the States/UTs to visualize the results of assessment and take proper management decisions. The database thus generated will have a significant role in planning and scientific management of ground water.

I genuinely appreciate the work done by the officers of Central Ground Water Board and State Ground Water Departments for their efforts in completing the assessment by providing various input parameters required by the system. I am hopeful that this report will be very useful for the administrators, planners and ground water professionals and will be helpful in ensuring optimal utilization and sustainability of ground water resource.

(G. C. PATI)



डॉ. नन्दकुमारन पी.

सदस्य

Dr. Nandakumaran P.

Member



सत्यमेव जयते

**भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केंद्रीय भूमि जल बोर्ड**

**Government of India
Ministry of Jal Shakti
Department of Water
Resources,
River Development & Ganga
Rejuvenation
Central Ground Water Board**

PREFACE

Realistic assessment of the availability and utilization of a natural resource is vital for planning its sustainable development and judicious management. This is extremely important in the case of ground water in the country, which is under increasing stress owing to its extraction for various uses.

Assessment of Ground Water Resources of all the States and UTs in the country is being done jointly by State/UT Ground Water Department and Central Ground Water Board once every three years as per the methodology recommended by the Ground Water Resource Estimation Committee constituted by the Govt. of India. This is a very important exercise as it helps stakeholders take effective measures for optimal utilization and management of ground water resources based on its criticality. Selection of areas for implementation of various schemes of State/Central Governments is also broadly based on the outcome of such assessments. Atal Bhujal Yojana, PMKSY-HHGP-GW Irrigation and Mission Water Conservation etc. are examples of such schemes.

The report titled 'National Compilation on Dynamic Ground Water Resources of India, 2020' summarizes the results of the assessment, primarily in terms of resource availability, utilization and categorization of assessment units, compiled from the State/UT wise assessments, duly approved by the State level Committees (SLCs) constituted for the purpose. The report briefly describes salient features of previous assessments, ground water estimation methodology, rainfall distribution, hydrogeology, aquifer systems of India and ground water level scenario of the country in the first five chapters before describing various components of the ground water resource assessment, 2020 in some detail. This is followed by details of State/UT wise assessment of resources and conclusions drawn from the assessment. The report also has 12 Annexures having state-wise information related to various components of the assessment and comparisons with the previous assessment.

I wish to place on record my appreciation of the untiring efforts of Dr. Ratikanta Nayak, Scientist-D and the team of officers of Central Ground Water Board for completing the challenging task of compiling this informative report. The team led by Dr.K.B.V.N. Phanindra, Asst. Professor, IIT Hyderabad and the software professionals of M/s Vassar Labs IT Solutions, Hyderabad, deserve praise for developing & customising the IN-GRES web portal for the assessment as per requirements of Central Ground Water Board. We are thankful for the support extended by the State/U.T ground water organizations by providing necessary inputs and approvals in time. The guidance of Shri Subodh Yadav, Joint Secretary (A, GW & IC), DoWR, RD & GR has helped improve the quality of the report as well as fast-track the assessment and is gratefully acknowledged. I truly believe that stakeholders at various levels will find this report informative and helpful for managing our precious ground water resources judiciously and for ensuring their sustainability for years to come.

(Nandakumaran P)

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020

AT A GLANCE

1. Total Annual Ground Water Recharge	: 436.15 bcm
2. Annual Extractable Ground Water Resources	: 397.62 bcm
3. Annual Ground Water Extraction	: 244.92 bcm
4. Stage of Ground Water Extraction	: 61.6 %

CATEGORIZATION OF ASSESSMENT UNITS

(Blocks/ Mandals/ Firkas/ Taluks etc.)

S. No.	Category	Assessment Units		Recharge worthy Area		Annual Extractable Ground Water Resource	
		Number	%	in lakh sq. km.	%	(in bcm)	%
1	Safe	4427	64 %	15.67	64 %	280.26	70 %
2	Semi-Critical	1057	15 %	3.40	14 %	54.11	14 %
3	Critical	270	04 %	0.86	04 %	12.71	03 %
4	Over-Exploited	1114	16 %	4.09	17 %	50.54	13 %
5	Saline	97	01 %	0.3	01 %	NA	NA
Total		6965		24.33		397.62	

Dynamic Ground Water Resources Estimation of India-2020

CONTENTS

CHAPTER	TITLE	PAGE NO
	MESSAGES	i-vi
	FOREWORD	vii
	PREFACE	ix
	DYNAMIC GROUND WATER RESOURCE OF INDIA, 2020: AT A GLANCE	xi
	EXECUTIVE SUMMARY	xiii
	CHAPTER-1	
1.0	Introduction	1
1.1	Previous Assessments	1
1.2	Ground Water Assessment and Management Initiatives	3
1.3	Re-assessment of Ground Water Resources, 2020	4
	CHAPTER-2	
2.0	Ground Water Resources Estimation Methodology	5
2.1	Ground Water Assessment of Unconfined Aquifer	5
2.2	Ground Water Assessment of Confined Aquifer System	18
2.3	Ground Water Assessment of Semi-Confined Aquifer System	20
2.4	Total Ground Water Availability of an Area	20
2.5	Ground Water Assessment in Urban Areas	21
2.6	Ground Water Assessment in Coastal Areas	21
2.7	Ground Water Assessment in Water Level Depletion Zones	22
2.8	Micro Level Study for Notified Areas	22
2.9	Norms to be Used in the Assessment	23
2.10	INDIA -GROUNDWATER RESOURCE ESTIMATION SYSTEM (IN-GRES)	32
	CHAPTER-3	
3.0	Rainfall of India	33
	CHAPTER-4	
4.0	Hydrogeological Setup of India	39

CHAPTER	TITLE	PAGE NO
CHAPTER-5		
5.0	Ground Water Level Scenario in the Country	42
CHAPTER-6		
6.0	Ground Water Resources of India	48
6.1	Dynamic Fresh Ground Water Resources	48
6.2	Ground Water Extraction	52
6.3	Stage of Ground Water Extraction	52
6.4	Categorization of Assessment Units	52
6.5	Integration of Ground Water and Surface Water Data with a View to Facilitate Planning for Conjunctive Uses of Water Resources	55
CHAPTER-7		
7.0	State Wise Ground Water Resources Scenario	56
CHAPTER-8		
8.0	Conclusions	80
ANNEXURES		
I	State-wise ground water resources availability, utilization and stage of extraction (as in 2020)	85
II	District-wise ground water resources availability, utilization and stage of extraction (as in 2020)	89
III (A)	State-Wise Categorization of blocks/ mandals/ taluks in India (as in 2020)	131
III (B)	District Wise Categorization of blocks/ mandals/ taluks in INDIA (as in 2020)	135
III (C)	State-Wise Annual Extractable Ground Water Resource of Assessment Units under Different Category in India (as in 2020)	175
III (D)	District Wise Annual Extractable Ground Water Resource of Assessment Units under Different Category in India (as in 2020)	179
III (E)	State-Wise Recharge Worthy Area of Assessment unit under Different Category in India (as in 2020)	221
III (F)	District Wise Recharge Worthy Area of Assessment unit under Different Category in India (as in 2020)	225
IV (A)	State-wise categorization of blocks/ mandals/ taluks (as in 2020)	267
IV (B)	Quality problems in Assessment units (as in 2020)	307
V (A)	State-wise Summary of Assessment units improved or deteriorated from 2017 to 2020 assessment	335
V (B)	Comparison of categorization of assessment units (2017 to 2020)	339

CHAPTER	TITLE	PAGE NO
	References	377
	Abbreviations	378
	Contributors	379

LIST OF FIGURES

3.1	Annual Rainfall Map-2019	37
3.2	Winter Rainfall Map-2019	37
3.3	Pre-monsoon Rainfall Map-2019	37
3.4	South-West monsoon Rainfall Map-2019	38
3.5	Post monsoon Rainfall Map-2019	38
4.1	Principal Aquifer Systems of India	41
5.1	Pre-monsoon depth to water level map-2019	44
5.2	Post-monsoon depth to water level map-2019	45
5.3	Ground Water Level Fluctuation: Pre-monsoon 2019 compared to Pre-monsoon 2016	46
5.4	Ground Water Level Fluctuation: November 2019 compared to November 2016	47
6.1	Ground water resources and extraction scenario in India, 2020	49
6.2	State wise contribution of recharge components in Total Annual Ground Water Recharge of India, 2020	50
6.3	Spatial Variation in Annual ground water recharge (as in 2020)	51
6.4	State wise Irrigation draft vs Domestic & Industrial draft	53
6.5	Categorization of Assessment units (as in 2020)	54

APPENDICES (Separate Volume)

A	Government resolution on constitution of Central Level Expert Group (CLEG) for overall re-assessment of ground water resources of the country, 2020	1
B	Constitution of State Level Committee and approval of Ground Water Assessment Report (as in 2020)	7
C	INDIA- GROUNDWATER RESOURCE ESTIMATION SYSTEM (IN-GRES)	81
D	Approval of GW Resource assessment by the State Level Committees	111
E	Minutes of the meeting of the Central Level Expert Group for overall re- assessment of ground water resources of country, 2020	201

EXECUTIVE SUMMARY

Ground Water Resources Assessment is carried out at periodical intervals jointly by State Ground Water Departments and Central Ground Water Board under the guidance of the respective State Level Committee on Ground Water Assessment at State Levels and under the overall supervision of the Central Level Expert Group. Such joint exercises have been taken up earlier in 1980, 1995, 2004, 2009, 2011, 2013 and 2017.

The assessment involves computation of dynamic ground water resources or Annual Extractable Ground Water Resource, Total Current Annual Ground Water Extraction (utilization) and the percentage of utilization with respect to annual extractable resources (stage of Ground Water Extraction). The assessment units (Talukas/blocks/mandals/firkas) are categorized based on Stage of Ground Water Extraction, which are then validated with long-term water level trends. The assessment prior to that of year 2017 were carried out following Ground Water Estimation Committee (GEC) 97 Methodology, whereas 2017 as well as the present assessment are based on norms and guidelines of the GEC 2015 Methodology.

The main source of replenishable ground water resources is recharge from rainfall, which contributes to nearly 64 % of the total annual ground water recharge. India receives about 119 cm. of rain annually on average, with high spatial variation. A major part of the country receives rainfall mainly during SW Monsoon season spread over the months of June to September, except in Tamil Nadu, where the major contribution is from NE monsoon during the period October– December. There are also States such as Jammu and Kashmir, Himachal Pradesh and Uttarakhand which receive significant rainfall in all seasons.

Over 75 % of the annual rainfall is received in the four rainy months for June to September only thereby leading to large variations on temporal scale. The average annual rainfall is 119 cm, but it has great spatial variations. The areas on Western Ghats, Sub-Himalyan areas in North East and Meghalaya Hills receive heavy rainfall over 250 cm annually, whereas the areas of Northern parts of Kashmir and Western Rajasthan receive rainfall less than 40 cm. A major part of the country including Northern, Central and Eastern parts receives annual normal rainfall between 75 and 150 cm. In general, rainfall decreases westwards in the northern part of the country, whereas it decreases eastwards and then increases toward the coast in Peninsular India.

Type of rock formations and their storage and transmission characteristics have a significant influence on ground water recharge. Porous formations such as the alluvial formations in the Indo-Ganga-Brahmaputra basin generally have high specific yields and are good repositories of ground water. Ground water occurrence in the fissured formations occupying nearly two-thirds of the geographical area of the country, on the other hand, is mostly limited to the weathered, jointed and fractured portions of the rocks.

In the present assessment, the total annual ground water recharge has been assessed as 436 bcm. Keeping an allocation for natural discharge, the annual extractable ground water resource works out as 398 bcm. The total annual ground water extraction (as in 2020) has been assessed as 245 bcm. The average stage of ground water extraction for the country as a whole works out to be about 62 %. The extraction of ground water for various uses in different parts of the country is not uniform. Out of the total 6965 assessment units (Blocks/ Districts/ Mandals/ Talukas/Firkas) in the country, 1114 units in various States (16 %) have been categorized as 'Over-Exploited' indicating ground water extraction exceeding the annually replenishable ground water recharge. A total of 270 (4 %)

assessment units have been categorized as 'Critical', where the stage of ground water extraction is between 90-100 % of annual extractable resources available. There are 1057 'Semi-Critical' units (15 %), where the stage of ground water extraction is between 70 % and 90 % and 4427 (64 %) assessment units have been categorized as 'Safe' where the stage of Ground water extraction is less than 70 %. Apart from this, there are 97 assessment units (1 %), which have been categorized as 'Saline' as major part of the ground water in phreatic aquifers is brackish or saline. Similarly out of 24.33 lakh sq km recharge worthy area of the country, 4.09 lakh sq km (17 %) are under 'Over-Exploited', 0.86 lakh sq km (4 %) are under 'Critical', 3.4 lakh sq km (14 %) are under 'Semi-Critical', 15.67 lakh sq km (64 %) are under 'Safe' and 0.3 lakh sq km (1 %) are under 'Saline' category assessment units. Out of 397.62 bcm of Total Annual Extractable Resources of the country, 50.54 bcm (13 %) are under 'Over-Exploited', 12.71 bcm (3 %) are under 'Critical', 54.11 bcm (14 %) are under 'Semi-Critical', 280.26 bcm (70 %) are under 'Safe' category assessment units.

In comparison to 2017 assessment, the total numbers of assessment units in the country have increased from 6881 to 6965 with major contribution (in increase) from the State of Karnataka, Haryana and Punjab. The total annual ground water recharge has increased from 432 to 436 bcm, where major increase is noticed in the States of Uttar Pradesh, Andhra Pradesh, Karnataka, Telangana, Gujarat & Chhattisgarh. The changes are attributed mainly to changes in recharge from 'Other Sources'. Accordingly, the annual extractable resource of GW Resource Assessment, 2020 on comparison GW Resource Assessment, 2017 also shows a increase from 393 to 398 bcm. The ground water extraction has marginally decreased from 249 to 245 bcm. The overall stage of groundwater extraction has marginally decreased from 63 % to 62 %.

The over-exploited assessment units are mostly concentrated in :(i) the north western part of the country including parts of Punjab, Haryana, Delhi and Western Uttar Pradesh where even though the replenishable resources are abundant, there have been indiscriminate withdrawals of ground water leading to over-exploitation; (ii) the western part of the country, particularly in parts of Rajasthan and Gujarat, where due to arid climate, groundwater recharge itself is limited, leading to stress on the resource and (iii) the southern part of peninsular India including parts of Karnataka, Andhra Pradesh, Telangana and Tamil Nadu where due to inherent characteristics of crystalline aquifers, the ground water availability is low. In some areas of the country, good continuous rainfall and management practices like ground water augmentation and conservation measures through government and private initiatives have resulted in improvement in ground water situation. Ground water resources assessment, like other fields of science, requires continuous refinements.

CHAPTER 1

1.0 INTRODUCTION

Water is a fundamental resource for life. Sustainable development and efficient management of this scarce resource has become a challenge in India. Increasing population, growing urbanization and rapid industrialization combined with the need for raising agricultural production generates competing demands for water. Ground water has steadily emerged as the backbone of India's agriculture and drinking water security. Contribution of ground water is nearly 62% in irrigation, 85% in rural water supply and 50% in urban water supply. Ground water is an annually replenishable resource but its availability is non-uniform in space and time. Ground water available in the zone of water level fluctuation is replenished annually with rainfall being the dominant contributor. Hence, the sustainable utilization of ground water resources demands a realistic quantitative assessment of ground water availability in this zone based on reasonably valid scientific principles. National Water Policy, 2012 has laid emphasis on periodic assessment of ground water resources on scientific basis. The trends in water availability due to various factors including climate change must also be assessed and accounted for during water resources planning. To meet the increasing demands of water, it advocates direct use of rainfall, desalination and avoidance of inadvertent evapotranspiration for augmenting utilizable water resources. The National Water Policy 2012 also states that safe water for drinking and sanitation should be considered as pre-emptive needs followed by high priority allocation for other domestic needs (including needs of animals), achieving food security, supporting sustenance agriculture and minimum eco-system needs. Available water, after meeting the above needs should be allocated in a manner to promote its conservation and efficient use.

1.1 PREVIOUS ASSESSMENTS

Assessment of water resources of the country dates back to 1901 when the First Irrigation Commission assessed the Surface Water Resources as 144 million hectare meters (M.ham) (NABARD, 2006). In 1949, Dr. A. N. Khosla, based on empirical formulae, estimated the total average annual runoff of all the river systems of India including both surface and ground water resources as 167 M.ham (CGWB, 1995). Since then attempts have been made from time to time by various Working Groups/ Committees/Task Forces constituted by Govt. of India to estimate the ground water resources of the country based on available data and in response to developmental needs. In 1976, National Commission of Agriculture assessed the total ground water resources of the country as 67 M.ham and the utilizable ground water as 35 M.ham, out of which 26 M.ham was considered available for irrigation (CGWB, 1995).

The first systematic methodology to assess the ground water resources of the country was evolved by Ground Water Over-Exploitation Committee in 1979. The committee was constituted by Agriculture Refinance and Development Corporation (ARDC) and was headed by Chairman, CGWB with Members from State Ground Water Organizations and Financial Institutions. Based on the norms suggested by the committee, the country's Gross Ground Water Recharge was assessed as 47 M.ham and the Net Recharge as 32 M.ham (CGWB, 1995).

In 1982, Government of India constituted 'Ground Water Estimation Committee' (GEC) drawing Members from various States / Central organizations engaged in hydrogeological studies and groundwater development. The Committee submitted its recommendations in the year 1984 and suggested a methodology for assessment of dynamic groundwater resources, which is commonly referred to as GEC 1984. As per the recommendations of the GEC 1984, State Governments constituted Working Groups for assessment of ground water potential. The Working Groups were headed by Secretaries in-charge of Ground Water Developments and included Heads of Ground Water Departments, State Agriculture Departments, representatives from Agriculture Universities and NABARD as members. Director, CGWB was the convener of the group. The base year for the computation of the resource varied between 1991 and 1993 and a National report on Ground Water Resources of India was brought out in 1995 by compiling the data of all the States and Union Territories. As per the report, the Total Replenishable Ground Water in India was assessed as 432 billion cubic meter (bcm). The ground water resource available for irrigation purpose was about 361 bcm. The Net Ground Water Draft for Irrigation uses was about 115 bcm, thereby arriving at the level of ground water development as 32 %. Utilizable Irrigation Potential from ground water of the country was worked out to be 64 million hectare (CGWB, 1995).

Increasing thrust on ground water and improved techniques for data acquisition led the Government of India to form another Committee in 1995 to review the existing methodology for ground water resource assessment and to suggest revisions, if necessary. The Committee submitted its report in 1997 wherein a revised and elaborate methodology for resource assessment was suggested, which was referred as GEC 1997. In view of the limitations of ground water assessment in hard rock terrain, another Committee on Ground Water Estimation Methodology in Hard Rock Terrain was formed in 2001 to review the existing methodology for resource estimation in such formations. The Committee made certain suggestions on the criteria for categorization of blocks to be adopted for the entire country irrespective of the terrain conditions. Based on GEC 1997, the dynamic ground water resources of India have been estimated for the entire country considering 2004, 2009, 2011 and 2013 as base years. The methodology underwent comprehensive revisions again in 2015 and a revised methodology, namely GEC 2015 methodology has been prescribed for ground water assessment. This methodology is being followed for assessment carried out from 2017 onwards.

In the present assessment, the total annual groundwater recharge in the country has been assessed as 436.15 bcm. Keeping an allocation for natural discharge, the annual extractable ground water resource has been assessed as 397.62 bcm. The annual groundwater extraction (as in 2020) is 244.92 bcm. The average stage of groundwater extraction for the country as a whole works out to be about 61.6 %. Out of the total 6965 assessment units (Blocks/ Mandals/ Talukas/ Firkas) in the country, 1114 units in various States (16 %) have been categorized as 'Over-exploited' indicating ground water extraction exceeding the annually replenishable ground water recharge. In, 270 (4 %) assessment units the stage of groundwater extraction is between 90-100% and have been categorized as 'Critical'. There are 1057 (15 %) "Semi-critical" units, where the stage of ground water extraction is between 70 % and 90 % and 4427 (64 %) 'Safe' units where the stage of Ground water extraction is less than 70 %. Apart from these, there are 97 (1%) assessment units, which have been categorised as 'Saline' as major part of the ground water in phreatic aquifers in these units is brackish or saline. Salient details of status of ground water resources and categorization of assessment units in 2004, 2009, 2011, 2013, 2017 and 2020 are shown in Table 1.1 and Table 1.2 respectively.

Table 1.1: Ground water Resources assessment 2004 to 2020

S. No.	Ground Water Resources Assessment	2004	2009	2011	2013	2017	2020
1	Annual Ground Water Recharge	433 bcm	431 bcm	433 bcm	447 bcm	432 bcm	436 bcm
2	Annual Extractable Ground Water Resource	399 bcm	396 bcm	398 bcm	411 bcm	393 bcm	398 bcm
3	Annual Ground Water Extraction for Irrigation, Domestic & Industrial uses	231 bcm	243 bcm	245 bcm	253 bcm	249 bcm	245 bcm
4	Stage of Ground Water Extraction	58 %	61 %	62 %	62 %	63 %	62 %

Table 1.2: Categorization of assessment units from 2004 to 2020

S. No.	Categorization of Blocks/ Mandals/ Talukas	2004	2009	2011	2013	2017	2020
1	Total Assessed units	5723	5842	6607	6584	6881	6965
2	Safe	4078	4277	4503	4519	4310	4427
3	Semi-critical	550	523	697	681	972	1057
4	Critical	226	169	217	253	313	270
5	Over-Exploited	839	802	1071	1034	1186	1114
6	Saline	30	71	92	96	100	97

1.2 GROUND WATER ASSESSMENT AND MANAGEMENT INITIATIVES

The inferences drawn from the ground water resources assessment is utilized as an input to the planners and stakeholders for taking appropriate management measures for optimal utilization and sustainable development of the ground water resources. Several measures, primarily based on the findings of the resource assessment, have been taken up by the Government of India to replenish/augment ground water resources.

Initiatives by the Government of India in this regard includes constitution of Central Ground Water Authority for regulation of ground water development in the country and compilation of a conceptual document titled “Master Plan for Artificial Recharge to Ground water in India” by CGWB, which envisages implementation of nearly 11 million Rain Water Harvesting and Artificial Recharge structures to augment the ground water resources of the country. Ministry of Jal Shakti has also circulated a Model Bill to all States/UTs to enable them to enact suitable legislation for regulation of

ground water development, which includes provision of rainwater harvesting. CGWB has taken up National Aquifer Mapping & Management Programme (NAQUIM), for mapping of major aquifers, their characterization and formulation of Aquifer Management Plans to ensure sustainability of the resources, prioritising Over-exploited, Critical and Semi-critical assessment units. Several State Governments are implementing watershed development programmes, in which, ground water conservation forms an integral part. Water conservation measures are also taken up as a part of the MGNREGA. Ministry of Jal Shakti has launched 'Jal Kranti Abhiyan', aimed at consolidating water conservation and management initiatives in the country through a holistic and integrated approach involving all stakeholders. Atal Bhujal Yojana, being implemented from April 2020, envisages improving ground water management in identified water-stressed areas in parts of seven States in the country with emphasis on demand management and community participation. In addition, schemes of the Government of India such as Pradhan Mantri Krishi Sinchai Yojana (PMKSY)- Har Khet Ko Pani (HKKP)-Ground Water Irrigation (GWI) envisages creation of irrigation potential from groundwater in assessment units where there is sufficient scope for further future ground water development.

1.3 RE-ASSESSMENT OF GROUND WATER RESOURCES, 2020

The assessment of Ground water resources is carried out to determine the prevailing status of ground water resources in the country. It also helps assess the impact of the on-going ground water management practices on the groundwater resources. In 2020, Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti constituted a Central Level Expert Group (CLEG) for over-all supervision of the re-assessment of ground water resources in the entire country as in 2020. The terms of reference of the committee include supervision of assessment of annual replenishable ground water resources and the status of utilization for reference year 2020. A copy of the Government Resolution is in **Appendix A**.

Ground water resources assessment for reference year 2020 at the State/U.T Levels have been carried out jointly by State Ground Water Departments and Central Ground Water Board under the supervision of State Level Committees (**Appendix B**), with technical guidance from Central Level Expert Group. The assessment carried out was approved by the respective State Level Committee (**Appendix D**). For few States (Chhattisgarh, Jharkhand and Kerala) the assessments are yet to be approved in State Level Committee. Based on the assessments provided by the respective State Level Committees and joint assessment made in the aforesaid States, the National Level Report titled "Dynamic Ground Water Resources of India-2020" has been compiled. In respect of West Bengal, assessment for 2020 could not be completed and CLEG recommended that the results of previous assessment (2013) may be considered for 2020. The national compilation report provides summary and analysis of ground water resources in different States. The report was reviewed and deliberated upon during the meeting of CLEG held on 31.03.2021, and was approved as mentioned in **Appendix E**.

CHAPTER 2

2.0 GROUND WATER RESOURCES ESTIMATION METHODOLOGY

Ground water resource as in 2020 have been estimated following the guidelines mentioned in the GEC 2015 methodology using appropriate assumptions depending on data availability. The principal attributes of GEC 2015 methodology is given below:

The methodology recommends aquifer wise ground water resource assessment of both the Groundwater resources components, i.e., Replenishable ground water resources or Dynamic Ground Water Resources and In-storage Resources or Static Resources. Wherever the aquifer geometry has not been firmly established for the unconfined aquifer, the in-storage ground water resources have to be assessed in the alluvial areas down to the depth of bed rock or 300 m, whichever is less. In case of hard rock aquifers, the depth of assessment would be limited to 100 m. In case of confined aquifers, if it is known that groundwater extraction is being done from this aquifer, the dynamic as well as in-storage resources are to be estimated. If it is firmly established that there is no ground water extraction from this confined aquifer, then only in-storage resources of that aquifer has to be estimated. Until aquifer geometry is established on appropriate scale, the existing practice of using watershed in hard rock areas and blocks/mandals/ firkas in soft rock areas may be continued.

It is also pertinent to add that as it is advisable to restrict the groundwater development as far as possible to annual replenishable resources, the categorization also takes into account the relation between the annual replenishment and groundwater development. An area devoid of ground water potential may not be considered for development and may remain safe whereas an area with good groundwater potential may be developed and may become over exploited over a period of time. Thus, water augmentation efforts can be successful in such areas, where the groundwater potential is high and there is scope for augmentation.

2.1. GROUND WATER ASSESSMENT OF UNCONFINED AQUIFER

Though the assessment of ground water resources includes assessment of dynamic and in-storage resources, the development planning should mainly focus on dynamic resource as it gets replenished on an annual basis. Changes in static or in-storage resources normally reflect long-term impacts of ground water mining. Such resources may not be replenishable annually and may be allowed to be extracted only during exigencies with proper planning for augmentation in the succeeding excess rainfall years.

2.1.1. Assessment of Annually Replenishable or Dynamic Ground Water Resources

The methodology for ground water resources estimation is based on the principle of water balance as given below –

$$\text{Inflow} - \text{Outflow} = \text{Change in Storage (of an aquifer)} \dots \dots \dots (1)$$

Equation (1) can be further elaborated as –

$$\Delta S = R_{RF} + R_{STR} + R_C + R_{SWI} + R_{GWI} + R_{TP} + R_{WCS} \pm VF \pm LF - GE - T - E - B \dots \dots \dots (2)$$

Where,

- ΔS - Change in storage
- R_{RF} - Rainfall recharge
- R_{STR} - Recharge from stream channels
- R_C - Recharge from canals
- R_{SWI} - Recharge from surface water irrigation
- R_{GWI} - Recharge from ground water irrigation
- R_{TP} - Recharge from Tanks & Ponds
- R_{WCS} - Recharge from water conservation structures
- VF - Vertical flow across the aquifer system
- LF - Lateral flow along the aquifer system (through flow)
- GE - Ground Water Extraction
- T - Transpiration
- E - Evaporation
- B - Base flow

It is preferred that all the components of water balance equation should be estimated in an assessment unit. Due to lack of data for all the components in most of the assessment units, it is proposed that at present the water budget may be restricted to the major components only, taking into consideration certain reasonable assumptions. The estimation is to be carried out using lumped parameter estimation approach keeping in mind that data from many more sources if available may be used for refining the assessment.

2.1.1.1. Rainfall Recharge

It is recommended that ground water recharge should be estimated on ground water level fluctuation and specific yield approach since this method takes into account the response of ground water levels to ground water input and output components. This, however, requires adequately spaced representative water level measurement for a sufficiently long period. It is proposed that there should be at least three spatially well distributed observation wells in the assessment unit, or one observation well per 100 sq. Km. Water level data should also be available for a minimum period of 5 years (preferably 10 years), along with corresponding rainfall data. Regarding frequency of water level data, two water level readings, during pre and post monsoon seasons, are the minimum requirement. It would be ideal to have monthly water level measurements to record the peak rise and maximum fall in the ground water levels. In units or subareas where adequate data on ground water level fluctuations are not available as specified above, ground water recharge may be estimated using rainfall infiltration factor method only. The rainfall recharge during non-monsoon season may be estimated using rainfall infiltration factor method only.

2.1.1.1.1. Ground Water Level Fluctuation Method

The ground water level fluctuation method is to be used for assessment of rainfall recharge in the monsoon season. The ground water balance equation in non-command areas is given by

$$\Delta S = R_{RF} + R_{STR} + R_{SWI} + R_{GWI} + R_{TP} + R_{WCS} \pm VF \pm LF - GE - T - E - B \dots \dots \dots (3)$$

Where,

- ΔS - Change in storage
- R_{RF} - Rainfall recharge
- R_{STR} - Recharge from stream channels
- R_{SWI} - Recharge from surface water irrigation
- R_{GWI} - Recharge from ground water irrigation
- R_{TP} - Recharge from Tanks & Ponds
- R_{WCS} - Recharge from water conservation structures
- VF - Vertical flow across the aquifer system
- LF - Lateral flow along the aquifer system (through flow)
- GE - Ground water extraction
- T - Transpiration
- E - Evaporation
- B - Base flow

Whereas the water balance equation in command area will have another term i.e., Recharge due to canals (R_C) and the equation will be as follows:

$$\Delta S = R_{RF} + R_{STR} + R_C + R_{SWI} + R_{GWI} + R_{TP} + R_{WCS} \pm VF \pm LF - GE - T - E - B \dots \dots \dots (4)$$

A couple of important observations in the context of water level measurement must be followed. It is important to bear in mind that while estimating the quantum of ground water extraction, the depth from which ground water is being extracted should be considered. One should consider only the draft from the same aquifer for which the resource is being estimated.

The change in storage can be estimated using the following equation:

$$\Delta S = \Delta h \times A \times S_Y \dots \dots \dots (5)$$

Where,

- ΔS - Change in storage
- Δh - rise in water level in the monsoon season
- A - Area for computation of recharge
- S_Y - Specific Yield

Substituting the expression in equation (5) for storage increase ΔS in terms of water level fluctuation and specific yield, the equations (3) & (4) become (6) & (7) for non-command and command sub-units,

$$R_{RF} = \Delta h \times A \times S_Y - R_{STR} - R_{SWI} - R_{GWI} - R_{TP} - R_{WCS} \pm VF \pm LF + GE + T + E + B \dots \dots \dots (6)$$

$$R_{RF} = \Delta h \times A \times S_Y - R_{STR} - R_C - R_{SWI} - R_{GWI} - R_{TP} - R_{WCS} \pm VF \pm LF + GE + T + E + B \dots \dots \dots (7)$$

Where base flow/ recharge to/from streams have not been estimated, the same is assumed to be zero. The rainfall recharge obtained by using equation (6) and (7) provides the recharge in any particular monsoon season for the associated monsoon season rainfall. This estimate is to be normalized for the normal monsoon season rainfall as per the procedure indicated below.

Normalization of Rainfall Recharge

Let R_i be the rainfall recharge and r_i be the associated rainfall. The subscript “i” takes values 1 to N where N is the number of years for which data is available. This should be at least 5. The rainfall recharge, R_i is obtained as per equation (6) & equation (7) depending on the sub-unit for which the normalization is being done.

After the pairs of data on R_i and r_i have been obtained as described above, a normalisation procedure is to be carried out for obtaining the rainfall recharge corresponding to the normal monsoon season rainfall. Let $r(\text{normal})$ be the normal monsoon season rainfall obtained as the average of recent 30 to 50 years of monsoon season rainfall. Two methods are possible for the normalisation procedure. The first method is based on a linear relationship between recharge and rainfall of the form

$$R = ar \dots \dots \dots (8)$$

Where,

R = Rainfall recharge during monsoon season

r = Monsoon season rainfall

a = a constant

The computational procedure to be followed in the first method is as given below:

$$R_{RF}(\text{normal}) = \frac{\sum_{i=1}^N \left[R_i \frac{r(\text{normal})}{r_i} \right]}{N} \dots \dots \dots (9)$$

Where,

$R_{RF}(\text{normal})$ - Normalized Rainfall Recharge in the monsoon season

R_i - Rainfall Recharge in the monsoon season for the i^{th} year

$r(\text{normal})$ - Normal monsoon season rainfall

r_i - Rainfall in the monsoon season for the i^{th} year

N - No. of years for which data is available

The second method is also based on a linear relation between recharge and rainfall. However, this linear relationship is of the form,

$$R_{RF}(\text{normal}) = a \times r(\text{normal}) + b \dots \dots \dots (10)$$

Where,

$R_{RF}(\text{normal})$ - Normalized Rainfall Recharge in the monsoon season

$r(\text{normal})$ - Normal monsoon season rainfall

a and b - constants.

The two constants ‘a’ and ‘b’ in the above equation are obtained through a linear regression analysis. The computational procedure to be followed in the second method is as given below:

$$a = \frac{NS_4 - S_1S_2}{NS_3 - S_1^2} \dots \dots \dots (11)$$

$$b = \frac{S_2 - aS_1}{N} \dots \dots \dots (12)$$

Where,

$$S_1 = \sum_{i=1}^N r_i, \quad S_2 = \sum_{i=1}^N R_i, \quad S_3 = \sum_{i=1}^N r_i^2, \quad S_4 = \sum_{i=1}^N R_i r_i$$

2.1.1.1.2. Rainfall Infiltration Factor Method

The rainfall recharge estimation based on Water level fluctuation method reflects actual field conditions since it takes into account the response of ground water level. However the ground water extraction estimation included in the computation of rainfall recharge using water level fluctuation approach is often subject to uncertainties. Therefore, it is recommended to compare the rainfall recharge obtained from water level fluctuation approach with that estimated using rainfall infiltration factor method. Recharge from rainfall is estimated by using the following relationship –

$$R_{RF} = RFIF \times A \times \frac{(R - a)}{1000} \dots \dots \dots (13)$$

Where,

R_{RF} - Rainfall recharge in ham

A - Area in hectares

RFIF - Rainfall Infiltration Factor

R - Rainfall in mm

a - Minimum threshold value above which rainfall induces ground water recharge in mm

The threshold limit of minimum and maximum rainfall event which can induce recharge to the aquifer is to be considered while estimating ground water recharge using rainfall infiltration factor method. The minimum threshold limit is in accordance with the relation shown in equation (13) and the maximum threshold limit is based on the premise that after a certain limit, the rate of storm rain is too high to contribute to infiltration and they will only contribute to surface runoff. It is suggested that 10% of Normal annual rainfall may be taken as minimum rainfall threshold and 3000 mm as maximum rainfall limit. While computing the rainfall recharge, 10% of the normal annual rainfall is to be deducted from the monsoon rainfall and balance rainfall would be considered for computation of rainfall recharge. The same recharge factor may be used for both monsoon and non-monsoon rainfall, with the condition that the recharge due to non-monsoon rainfall may be taken as zero, if the normal rainfall during the non-monsoon season is less than 10% of normal annual rainfall. In using the method based on the specified norms, recharge due to both monsoon and non-monsoon rainfall may be estimated for normal rainfall, based on recent 30 to 50 years of data.

2.1.1.1.3. Percent Deviation

After computing the rainfall recharge for normal monsoon season rainfall using the ground water level fluctuation method and rainfall infiltration factor method these two estimates have to be compared with each other. A term, Percent Deviation (PD) which is the difference between the two expressed as a percentage of the later is computed as

$$PD = \frac{R_{RF}(\text{normal}, wtfm) - R_{RF}(\text{normal}, rfm)}{R_{RF}(\text{normal}, rfm)} \times 100 \dots \dots \dots (14)$$

Where,

$R_{RF}(\text{normal}, wtfm)$ = Rainfall recharge for normal monsoon season rainfall estimated by the ground water level fluctuation method

$R_{RF}(\text{normal}, rfm)$ = Rainfall recharge for normal monsoon season rainfall estimated by the rainfall infiltration factor method

The rainfall recharge for normal monsoon season rainfall is finally adopted as per the criteria given below:

- If PD is greater than or equal to -20%, and less than or equal to +20%, $R_{RF}(\text{normal})$ is taken as the value estimated by the ground water level fluctuation method.
- If PD is less than -20%, $R_{RF}(\text{normal})$ is taken as equal to 0.8 times the value estimated by the rainfall infiltration factor method.
- If PD is greater than +20%, $R_{RF}(\text{normal})$ is taken as equal to 1.2 times the value estimated by the rainfall infiltration factor method.

2.1.1.2. Recharge from Other Sources

Recharge from other sources constitutes recharges from canals, surface water irrigation, ground water irrigation, tanks & ponds and water conservation structures in command areas where as in non-command areas it constitutes the recharge due to surface water irrigation, ground water irrigation, tanks & ponds and water conservation structures. The methods of estimation of recharge from different sources are as follows.

Sl. No.	Source	Estimation Formula	Parameters
1	Recharge from Canals	$R_C = WA \times SF \times Days$	R_C = Recharge from Canals WA = Wetted Area SF = Seepage Factor Days = Number of Canal Running Days
2	Recharge from Surface Water Irrigation	$R_{SWI} = AD \times Days \times RFF$	R_{SWI} = Recharge due to applied surface water irrigation AD = Average Discharge Days = Number of days water is discharged to the Fields RFF = Return Flow Factor
3	Recharge from Ground Water Irrigation	$R_{GWI} = GE_{IRR} \times RFF$	R_{GWI} = Recharge due to applied ground water irrigation GE_{IRR} = Ground Water Extraction for Irrigation RFF = Return Flow Factor

Sl. No.	Source	Estimation Formula	Parameters
4	Recharge due to Tanks & Ponds	$R_{TP} = AWSA \times N \times RF$	R_{TP} = Recharge due to Tanks & Ponds $AWSA$ = Average Water Spread Area N = Number of days Water is available in the Tank/Pond RF = Recharge Factor
5	Recharge due to Water Conservation Structures	$R_{WCS} = GS \times RF$	R_{WCS} = Recharge due to Water Conservation Structures GS = Gross Storage = Storage Capacity multiplied by number of fillings. RF = Recharge Factor

2.1.1.3. Lateral Flow Along the Aquifer System (Through Flow)

In equations 6 & 7, if the area under consideration is a watershed, the lateral flow across boundaries can be considered as zero in case such estimates are not available. If there is inflow and outflow across the boundary, theoretically, the net inflow may be calculated using Darcy law, by delineating the inflow and outflow sections of the boundary. Besides such delineation, the calculation also requires estimate of transmissivity and hydraulic gradient across the inflow and outflow sections. These calculations are most conveniently done in a computer model. It is recommended to initiate regional scale modelling with well-defined flow boundaries. Once the modelling is complete, the lateral throughflows (LF) across boundaries for any assessment unit can be obtained from the model. In case Lateral Flow is calculated using computer model, the same should be included in the water balance equation.

2.1.1.4. Base Flow and Stream Recharge

If stream gauge stations are located in the assessment unit, the base flow and recharge from streams can be computed using Stream Hydrograph Separation method, Numerical Modelling and Analytical solutions. If the assessment unit is a watershed, a single stream monitoring station at the mouth of the watershed can provide the required data for the calculation of base flow. Any other information on local-level base flows such as those collected by research centres, educational institutes or NGOs may also be used to improve the estimates on base flows.

Base flow separation methods can be divided into two main types: non-tracer-based and tracer-based separation methods. Non-tracer methods include Stream hydrograph analysis, water balance method and numerical ground water modelling techniques. Digital filters are available for separating base flow component of the stream hydrograph.

Hydro-chemical tracers and environmental isotope methods also use hydrograph separation techniques based on mass balance approach. Stream recharge can be computed either using modelling techniques or simply by applying the Darcy Law.

Base flow assessment and Stream recharge should be carried out in consultation with Central Water Commission in order to avoid any duplicity in the estimation of total water availability in a river basin.

2.1.1.5. Vertical Inter Aquifer Flow

This can be estimated provided aquifer geometry and aquifer parameters are known. This can be calculated using the Darcy's law if the hydraulic heads in both aquifers and the hydraulic conductivity and thickness of the aquitard separating both the aquifers are known. Ground water flow modelling is an important tool to estimate such flows. As envisaged in this report regional scale modelling studies will help in refining vertical inter aquifer flow estimates.

2.1.1.6. Evaporation and Transpiration

Evaporation can be estimated for the aquifer in the assessment unit if water levels in the aquifer are within the capillary zone. It is recommended to compute the evaporation through field studies. If field studies are not possible, for areas with water levels within 1.0mbgl, evaporation can be estimated using the evaporation rates available for other adjoining areas. If depth to water level is more than 1.0mbgl, the evaporation losses from the aquifer should be taken as zero.

Transpiration through vegetation can be estimated if water levels in the aquifer are within the maximum root zone of the local vegetation. It is recommended to compute the transpiration through field studies. Even though it varies from place to place depending on type of soil & vegetation, in the absence of field studies the following estimation can be followed. If water levels are within 3.5m bgl, transpiration can be estimated using the transpiration rates available for other areas. If it is greater than 3.5m bgl, the transpiration should be taken as zero.

For estimating evapotranspiration, field tools like Lysimeters can be used to estimate actual evapotranspiration. Usually agricultural universities and IMD carry out lysimeter experiments and archive the evapotranspiration data. Remote sensing based techniques like SEBAL (Surface Energy Balance Algorithm for Land) can be used for estimation of actual evapotranspiration. Assessing offices may apply available lysimeter data or other techniques for estimation of evapotranspiration. In case where such data is not available, evapotranspiration losses can be empirically estimated from PET data provided by IMD.

2.1.1.7. Recharge During Monsoon Season

The sum of normalized monsoon rainfall recharge and the recharge from other sources and lateral and vertical flows into & out of the sub unit and stream inflows & outflows during monsoon season is the total recharge/ accumulation during monsoon season for the sub unit. Similarly, this is to be computed for all the sub units available in the assessment unit.

2.1.1.8. Recharge During Non-Monsoon Season

The rainfall recharge during non-monsoon season is estimated using rainfall infiltration factor Method only when the non-monsoon season rainfall is more than 10% of normal annual rainfall. The sum of non-monsoon rainfall recharge and the recharge from other sources and lateral and vertical flows into & out of the sub unit and stream inflows & outflows during non-monsoon season is the total recharge/ accumulation during non-monsoon season for the sub unit. Similarly, this is to be computed for all the sub units available in the assessment unit.

2.1.1.9. Total Annual Ground Water Recharge

The sum of the recharge/ accumulations during monsoon and non-monsoon seasons is the total annual ground water recharge/ accumulations for the sub unit. Similarly, this is to be computed for all the sub units available in the assessment unit.

2.1.1.10. Annual Extractable Ground Water Resource (EGR)

The Annual Extractable Ground Water Resource (EGR) is computed by deducting the Total Annual Natural Discharge from Total Annual Ground Water Recharge.

The ground water base flow contribution limited to the ecological flow of the river should be determined which will be deducted from Annual Ground Water Recharge to determine Annual Extractable Ground Water Resources (EGR). The ecological flows of the rivers are to be determined in consultation with Central Water Commission and other concerned river basin agencies. In case base flow contribution to the ecological flow of rivers is not determined then following assumption is to be followed.

In the water level fluctuation method, a significant portion of base flow is already accounted for by taking the post monsoon water level one month after the end of rainfall. The base flow in the remaining non-monsoon period is likely to be small, especially in hard rock areas. In the assessment units, where river stage data are not available and neither the detailed data for quantitative assessment of the natural discharge are available, present practice (GEC 1997) of allocation of unaccountable natural discharges to 5% or 10% of annual recharge may be retained. If the rainfall recharge is assessed using water level fluctuation method this will be 5% of the annual recharge and if it is assessed using rainfall infiltration factor method, it will be 10% of the annual recharge. The balance will account for Annual Extractable Ground Water Resources (EGR).

2.1.1.11. Estimation of Ground Water Extraction

Ground water draft or extraction is to be assessed as follows.

$$GE_{ALL} = GE_{IRR} + GE_{DOM} + GE_{IND} \dots \dots \dots (15)$$

Where,

GE_{ALL} = Ground water extraction for all uses

GE_{IRR} = Ground water extraction for irrigation

GE_{DOM} = Ground water extraction for domestic uses

GE_{IND} = Ground water extraction for industrial uses

2.1.1.11.1. Ground Water Extraction for Irrigation (GE_{IRR})

The methods for estimation of ground water extraction are as follows.

Unit Draft Method: – In this method, season-wise unit draft of each type of well in an assessment unit is estimated. The unit draft of different types (eg. Dug well, Dug cum bore well, shallow tube well, deep tube well, bore well etc.) is multiplied with the number of wells of that particular type to obtain season-wise ground water extraction by that particular structure.

Crop Water Requirement Method: – For each crop, the season-wise net irrigation water requirement is determined. This is then multiplied with the area irrigated by ground water abstraction structures. The database on crop area is obtained from Revenue records in Tehsil office, Agriculture Census and also by using Remote Sensing techniques.

Power Consumption Method: –Ground water extraction for unit power consumption (electric) is determined. Extraction per unit power consumption is then multiplied with number of units of power consumed for agricultural pump sets to obtain total ground water extraction for irrigation.

2.1.1.11.2. Ground Water Extraction for Domestic Use (GE_{DOM})

There are several methods for estimation of extraction for domestic use(GE_{DOM}). Some of the commonly adopted methods are described here.

Unit Draft Method: – In this method, unit draft of each type of well is multiplied by the number of wells used for domestic purpose to obtain the domestic ground water extraction.

Consumptive Use Method: – In this method, population is multiplied with per capita consumption usually expressed in litre per capita per day (lpcd). It can be expressed using following equation.

$$GE_{DOM} = Population \times Consumptive Requirement \times L_g \dots \dots \dots (16)$$

Where,

L_g = Fractional Load on Ground Water for Domestic Water Supply.

The Load on Ground water can be obtained from the Information based on Civic water supply agencies in urban areas.

2.1.1.11.3. Ground Water Extraction for Industrial Use (GE_{IND})

The commonly adopted methods for estimating the extraction for industrial use are as below:

Unit Draft Method: - In this method, unit draft of each type of well is multiplied by the number of wells used for industrial purpose to obtain the industrial ground water extraction.

Consumptive Use Pattern Method: – In this method, water consumption of different industrial units is determined. Numbers of Industrial units which are dependent on ground water are multiplied with unit water consumption to obtain ground water extraction for industrial use.

$$GE_{IND} = Number\ of\ Industrial\ Units \times Unit\ Water\ Consumption \times L_g \dots \dots \dots (17)$$

Where,

L_g = Fractional load on ground water for industrial water supply.

The load on ground water for industrial water supply can be obtained from water supply agencies in the Industrial belt.

Ground water extraction obtained from different methods need to be compared and based on field checks, the seemingly best value may be adopted. At times, ground water extraction obtained by different methods may vary widely. In such cases, the value matching the field situation should be

considered. The storage depletion during a season, where other recharges are negligible can be taken as ground water extraction during that particular period.

2.1.1.12. Stage of Ground Water Extraction

The stage of ground water extraction is defined by,

$$\text{Stage of GW Extraction} = \frac{\text{Existing Gross GW Extraction for all Uses}}{\text{Annual Extractable GW Resources}} \times 100 \dots \dots \dots (18)$$

The existing gross ground water extraction for all uses refers to the total of existing gross ground water extraction for irrigation and all other purposes. The stage of ground water extraction should be obtained separately for command areas, non-command areas and poor ground water quality areas.

2.1.1.13. Validation of Stage of Ground Water Extraction

The assessment based on the stage of ground water extraction has inherent uncertainties. In view of this, it is desirable to validate the 'Stage of Ground Water Extraction' with long term trend of ground water levels.

Long term Water Level trends are prepared for a minimum period of 10 years for both pre-monsoon and post-monsoon period. If the ground water resource assessment and the trend of long term water levels contradict each other, this anomalous situation requires a review of the ground water resource computation, as well as the reliability of water level data. The mismatch conditions are enumerated below.

SOGWE	Ground Water Level Trend	Remarks
≤ 70%	Significant decline in trend in both pre-monsoon and post-monsoon	Not acceptable and needs reassessment
> 100%	No significant decline in both pre-monsoon and post-monsoon long term trend	Not acceptable and needs reassessment

2.1.1.14. Categorisation of Assessment Unit

As emphasised in the National Water Policy, 2012, a convergence of Quantity and Quality of ground water resources is required while assessing the ground water status in an assessment unit. Therefore, it is recommended to separate estimation of resources where water quality is beyond permissible limits for the parameter salinity.

2.1.1.14.1. Categorisation of Assessment Unit Based on Quantity

The categorisation based on status of ground water quantity is defined by Stage of Ground Water Extraction as given below:

Stage of Ground Water Extraction	Category
≤ 70%	Safe
> 70% and ≤ 90%	Semi-critical
> 90% and ≤ 100%	Critical
> 100%	Over Exploited

2.1.1.14.2. Categorisation of Assessment Unit Based on Quality

As it is not possible to categorize the assessment units in terms of the extent of quality hazard, based on the available water quality monitoring mechanism and database on ground water quality, the Committee recommends that each assessment unit, in addition to the Quantity based categorization (safe, semi-critical, critical and over-exploited) should bear a quality hazard identifier. If any of the three quality hazards in terms of Arsenic, Fluoride and Salinity are encountered in the assessment sub unit in mappable units, the assessment sub unit may be tagged with the particular Quality hazard.

2.1.1.15. Allocation of Ground Water Resource for Utilisation

The Annual Extractable Ground Water Resources are to be apportioned between domestic, industrial and irrigation uses. Among these, as per the National Water Policy, requirement for domestic water supply is to be accorded priority. This requirement has to be based on population as projected to the year 2025, per capita requirement of water for domestic use, and relative load on ground water for urban and rural water supply. In situations where adequate data is not available to make this estimate, the following empirical relation is recommended.

$$Alloc = 22 \times N \times L_g \text{ mm per year} \dots \dots \dots (19)$$

Where,

Alloc = Allocation for domestic water requirement

N = population density in the unit in thousands per sq. km.

L_g = fractional load on ground water for domestic water supply (≤ 1.0)

In deriving equation (19), it is assumed that the requirement of water for domestic use is 60 lpd per head. The equation can be suitably modified in case per capita requirement is different. If by chance, the estimation of projected allocation for future domestic needs is less than the current domestic extraction due to any reason, the allocation must be equal to the present day extraction. It can never be less than the present day extraction as it is unrealistic.

2.1.1.16. Net Annual Ground Water Availability for Future Use

The water available for future use is obtained by deducting the allocation for domestic use and current extraction for Irrigation and Industrial uses from the Annual Extractable Ground Water Recharge. The resulting ground water potential is termed as the net annual ground water availability for future use. The Net annual ground water availability for future use should be calculated separately for non-command areas and command areas. As per the recommendations of the R&D Advisory committee, the ground water available for future use can never be negative. If it becomes negative, the future allocation of Domestic needs can be reduced to current extraction for domestic use. Even then if it is still negative, then the ground water available for future uses will be zero.

2.1.1.17. Additional Potential Resources under Specific Conditions**2.1.1.17.1. Potential Resource Due to Spring Discharge**

Spring discharge occurs at the places where ground water level cuts the surface topography. The spring discharge is equal to the ground water recharge minus the outflow through evaporation and

evapotranspiration and vertical and lateral sub-surface flow. Thus, Spring Discharge is a form of 'Annual Extractable Ground Water Recharge'. It is a renewable resource, though not to be used for Categorisation. Spring discharge measurement is to be carried out by volumetric measurement of discharge of the springs. Spring discharges multiplied with time in days of each season will give the quantum of spring resources available during that season. The committee recommends that in hilly areas with substantial potential of spring discharges, the discharge measurement should be made at least 4 times a year in parity with the existing water level monitoring schedule.

$$\text{Potential ground water resource due to springs} = Q \times \text{No. of days} \dots \dots \dots (20)$$

Where,

Q = Spring Discharge

No of days = No of days spring yields.

2.1.1.17.2. Potential Resource in Waterlogged and Shallow Water Table Areas

In the area where the ground water level is less than 5m below ground level or in waterlogged areas, the resources up to 5m below ground level are potential and would be available for development in addition to the annual recharge in the area. The computation of potential resource to ground water reservoir in shallow water table areas can be done by adopting the following equation:

$$\text{Potential ground water resource in shallow water table areas} = (5 - D) \times A \times S_y \dots \dots \dots (21)$$

Where,

D = Depth to water table below ground surface in pre-monsoon period in shallow aquifers.

A = Area of shallow water table zone.

S_y = Specific Yield

2.1.1.17.3. Potential Resource in Flood Prone Areas

Ground water recharge from a flood plain is mainly the function of the following parameters-

- Areal extent of flood plain
- Retention period of flood
- Type of sub-soil strata and silt charge in the river water which gets deposited and controls seepage

Since collection of data on all these factors is time taking and difficult, in the meantime, the potential resource from flood plain may be estimated on the same norms as for ponds, tanks and lakes. This has to be calculated over the water spread area and only for the retention period using the following formula.

$$\text{Potential ground water resource in Flood Prone Areas} = 1.4 \times N \times \frac{A}{1000} \dots \dots \dots (22)$$

Where,

N = No. of Days Water is Retained in the Area

A = Flood Prone Area

2.1.1.18. Apportioning of Ground Water Assessment from Watershed to Development Unit

Where the assessment unit is a watershed, there is a need to convert the ground water assessment in terms of an administrative unit such as block/ taluka/ mandal/ firka. This may be done as follows.

A block may comprise of one or more watersheds, in part or full. First, the ground water assessment in the subareas, command, non-command and poor ground water quality areas of the watershed may be converted into depth unit (mm), by dividing the annual recharge by the respective area. The contribution of this subarea of the watershed to the block, is now calculated by multiplying this depth with the area in the block occupied by this sub-area. This procedure must be followed to calculate the contribution from the sub-areas of all watersheds occurring in the block, to work out the total ground water resource of the block.

The total ground water resource of the block should be presented separately for each type of sub-area, namely for command areas, non-command areas and poor ground water quality areas, as in the case of the individual watersheds.

2.1.2. Assessment of In-Storage Ground Water Resources or Static Ground Water Resources

The computation of the static or in-storage ground water resources may be done after delineating the aquifer thickness and specific yield of the aquifer material. The computations can be done as follows: -

$$SGWR = A \times (Z_2 - Z_1) \times S_Y \dots \dots \dots (23)$$

Where,

SGWR = Static or in-storage ground water resources

A = Area of the assessment unit

Z_2 = Bottom of unconfined aquifer

Z_1 = Pre-monsoon water level

S_Y = Specific yield in the in-storage zone

2.1.3. Assessment of Total Ground Water Availability in Unconfined Aquifer

The sum of Annual Exploitable Ground Water Resource and the In-storage Ground Water Resources of an unconfined aquifer is the Total Ground Water Availability of that aquifer.

2.2. GROUND WATER ASSESSMENT OF CONFINED AQUIFER SYSTEM

The assessment of the ground water resources of the confined aquifers is done by following ground water storage approach. If the areal extent of the confined aquifer is "A" then the total quantity of water added to or released from the entire aquifer is

$$Q = S \times A \times \Delta h \dots \dots \dots (24)$$

Where,

Q = Quantity of water confined aquifer can release (m^3)

S = Storativity

A = Areal extent of the confined aquifer (m^2)

Δh = Change in Piezometric head (m)

Once the piezometric head reaches below the top confining bed, it behaves like an unconfined aquifer and directly dewater the aquifer and there is a possibility of damage to the aquifer as well as topography. The quantity of water released in confined aquifer due to change in pressure can be computed between piezometric head (h_t) at any given time 't' and the bottom of the top confining layer (h_0) by using the following equation.

$$Q_p = S \times A \times \Delta h = S \times A \times (h_t - h_0) \dots \dots \dots (25)$$

Where,

Q_p = Ground Water Potential of Confined Aquifer

S = Storativity

A = Areal extent of the confined aquifer

Δh = Change in Piezometric head

h_t = Piezometric head at any particular time

h_0 = Bottom of the top Confining Layer

If any development activity is started in the confined aquifer, the assessment is done for both the dynamic as well as in-storage resources of the confined aquifer.

2.2.1. Dynamic Ground Water Resources of Confined Aquifer

To assess the dynamic ground water resources of the confined aquifer the following equation can be used with the pre and post monsoon piezometric heads of the particular aquifer.

$$Q_D = S \times A \times \Delta h = S \times A \times (h_{POST} - h_{PRE}) \dots \dots \dots (26)$$

Where,

Q_D = Dynamic Ground Water Resource of Confined Aquifer (m^3)

S = Storativity

A = Areal extent of the confined aquifer (m^2)

Δh = Change in piezometric head (m)

h_{POST} = Piezometric head during post-monsoon period (m amsl)

h_{PRE} = Piezometric head during pre-monsoon period (m amsl)

2.2.2. In-storage Ground Water Resources of Confined Aquifer

For assessing the in- storage ground water potential of a confined aquifer, one has to compute the resources between the pre-monsoon piezometric head and bottom of the top confining layer. That can be assessed using the following formula:

$$Q_I = S \times A \times \Delta h = S \times A \times (h_{PRE} - h_0) \dots \dots \dots (27)$$

Where,

Q_I = In-storage Ground Water Resource of Confined Aquifer (m^3)

S = Storativity

A = Areal extent of the confined aquifer (m^2)

Δh = Change in piezometric head (m)

h_0 = Bottom level of the top confining layer (m amsl)

h_{PRE} = Piezometric head during pre-monsoon period (m amsl)

If the confined aquifer is not being exploited for any purpose, the dynamic and static resources of the confined aquifer need not be estimated separately. Instead the in-storage ground water resource of the aquifer can be computed using the following formula.

$$Q_p = S \times A \times \Delta h = S \times A \times (h_{POST} - h_0) \dots \dots \dots (28)$$

Where,

Q_p = In-storage Ground Water Resource of Confined Aquifer or the quantity of water under pressure (m^3)

S = Storativity

A = Areal extent of the confined aquifer (m^2)

Δh = Change in piezometric head (m)

h_0 = Bottom level of the top confining layer (m amsl)

h_{POST} = Piezometric head during post-monsoon period (m amsl)

The calculated resource includes small amount of dynamic resource of the confined aquifer also, which replenishes every year. But to make it simpler this was also computed as part of the static or in-storage resource of the confined aquifer.

2.2.3. Assessment of Total Ground Water Availability of Confined Aquifer

If the confined aquifer is being exploited, the Total Ground Water Availability of the confined aquifer is the sum of Dynamic Ground Water Resources and the In-storage Ground Water Resources of that confined aquifer whereas if it is not being exploited, the Total Ground Water Availability of the confined aquifer comprises of only one component i.e. the In-storage Ground Water Resources of that confined aquifer.

2.3. GROUND WATER ASSESSMENT OF SEMI-CONFINED AQUIFER SYSTEM

The Assessment of Ground Water Resources of a semi-confined aquifer has some more complications. Unless and until, it is well studied that the recharge to this is not computed either in the over lying unconfined aquifer or underlying/overlying semi confined aquifers, it should not be assessed separately. If it is assessed separately, there is a possibility of duplication of estimating the same resource by direct computation in one aquifer and as leakage in the other aquifer. As it is advisable to under estimate rather than to overestimate the resources, it is recommended not to assess these resources separately as long as there is no study indicating its non-estimation. If it is found through field studies that the resources are not assessed in any of the aquifers in the area, these resources are to be assessed following the methodology similar to that used in assessing the resources of Confined aquifers.

2.4. TOTAL GROUND WATER AVAILABILITY OF AN AREA

The Total Ground Water Availability in any area is the sum of dynamic and static/in-storage ground water resources in the unconfined aquifer and the dynamic and In-storage ground water resources of the Confined aquifers and semi confined aquifers in the area.

2.5. GROUND WATER ASSESSMENT IN URBAN AREAS

The Assessment of Ground Water Resources in urban areas is similar to that of rural areas. Because of the availability of draft data and slightly different infiltration process and recharge due to other sources, the following few points are to be considered.

- Even though the data on existing ground water abstraction structures are available, accuracy is somewhat doubtful and individuals cannot even enumerate the well census in urban areas. Hence it is recommended to use the difference of the actual demand and the supply by surface water sources as the withdrawal from the ground water resources.
- The urban areas are sometimes concrete jungles and rainfall infiltration is not equal to that of rural areas unless and until special measures are taken in the construction of roads and pavements. Hence, it is proposed to use 30% of the rainfall infiltration factor proposed for urban areas as an adhoc arrangement till field studies in these areas are done and documented field studies are available.
- Because of the water supply schemes, there are many pipelines available in the urban areas and the seepages from these channels or pipes are huge in some areas. Hence this component is also to be included in the other resources and the recharge may be estimated. The percent losses may be collected from the individual water supply agencies, 50% of which can be taken as recharge to the ground water system.
- In the urban areas in India, normally, there is no separate channels either open or sub surface for the drainage and flash floods. These channels also recharge to some extent the ground water reservoir. As on today, there is no documented field study to assess the recharge. The seepages from the sewerages, which normally contaminate the ground water resources with nitrate also contribute to the quantity of resources and hence same percent as in the case of water supply pipes may be taken as norm for the recharge on the quantity of sewerage when there is sub surface drainage system. If estimated flash flood data is available the same percent can be used on the quantum of flash floods to estimate the recharge from the flash floods. Even when the drainage system is open channels, till further documented field studies are done same procedure may be followed.
- It is proposed to have a separate ground water assessment for urban areas with population more than 10 lakhs.

2.6. GROUND WATER ASSESSMENT IN COASTAL AREAS

The assessment of ground water resources in coastal areas is similar to that of other areas. Because of the nature of hydraulic equilibrium of ground water with sea water, care should be taken in assessing the ground water resources of this area. While assessing the resources in these areas, following few points are to be considered.

- The ground water resources assessment in coastal areas includes the areas where the influence of sea water has an effect on the existence of fresh water in the area. It can be demarcated from the Coastal Regulatory zone or the Geomorphological maps or from the maps where sea water influences are demarcated.

- Wherever, the pre monsoon and post monsoon water levels are above mean sea level the dynamic component of the estimation will be same as other areas.
- If both these water levels are below sea level, the dynamic component should be taken as zero.
- Wherever, the post monsoon water table is above sea level and pre monsoon water table is below sea level the pre monsoon water table should be taken as at sea level and fluctuation is to be computed.
- The static or in storage resources are to be restricted to the minimum of 40 times the pre monsoon water table or the bottom of the aquifer.

2.7. GROUND WATER ASSESSMENT IN WATER LEVEL DEPLETION ZONES

There may be areas where ground water level shows a decline even in the monsoon season. The reasons for this may be any one of the following : (a) There is a genuine depletion in the ground water regime, with ground water extraction and natural ground water discharge in the monsoon season(outflow from the region and base flow) exceeding the recharge. (b) There may be an error in water level data due to inadequacy of observation wells.

If it is concluded that the water level data is erroneous, recharge assessment may be made based on rainfall infiltration factor method. If, on the other hand, water level data is assessed as reliable, the ground water level fluctuation method may be applied for recharge estimation. As ΔS in equation 3& 4 is negative, the estimated recharge will be less than the gross ground water extraction in the monsoon season. It must be noted that this recharge is the gross recharge minus the natural discharges in the monsoon season. The immediate conclusion from such an assessment in water depletion zones will be that the area falls under the over-exploited category which requires micro level study.

2.8. MICRO LEVEL STUDY FOR NOTIFIED AREAS

In all areas which are 'Notified' for ground water regulation by the Central and/ or State Ground Water Authorities, it is necessary to increase the density of observation wells for carrying out micro-level studies to reassess the ground water recharge and draft. Following approach may be adopted:

1. The area may be sub-divided into different hydrogeological sub-areas and into recharge area, discharge area and transition zone and also on quality terms.
2. The number of observation wells should be increased to represent each such sub-areas with at least one observation well with continuous monitoring of water levels.
3. Hydrological and hydrogeological parameters particularly the specific yield should be collected for different formations in each sub-area.
4. Details regarding other parameters like seepage factor from canals and other surface water projects should be collected after field studies, instead of adopting recommended norms. Base flow should be estimated based on stream gauge measurement.

5. The data of number of existing structures and unit draft should be reassessed after fresh surveys and should match with the actual irrigation pattern in the sub-area.
6. All data available with Central Ground Water Board, State Ground Water Departments and other agencies including research institutions and universities etc. should be collected for the watershed/sub-areas and utilised for reassessment.
7. Ground water assessment for each sub-area may be computed adopting the recommended methodology and freshly collected values of different parameters. The assessment may be made separately for monsoon and non-monsoon period as well as for command, non-command and poor ground water quality areas.
8. The ground water potential so worked out may be cross-checked with behaviour of ground water levels in the observation wells and both should match. If it does not, the factor that causes such an anomaly should be identified and the revised assessment should be re-examined.
9. Based on the micro-level studies, the sub-areas within the unit and the unit as a whole may be classified adopting norms for categorisation as recommended elsewhere in the methodology.

2.9. NORMS TO BE USED IN THE ASSESSMENT

The committee recommends that the state agencies should be encouraged to conduct field studies and use these computed norms in the assessment. For conducting field studies, it is recommended to follow the field-tested procedures for computing the norms. There is the possibility of error creeping in at various levels in the field study and hence the committee is of the opinion to give a maximum and minimum values for all the norms used in the estimation. The committee can foresee the handicap of the state agencies which are not able to compute the norms by their own field study. In such cases, it suggests an average of the range of norms to be used as the recommended value for the norm.

2.9.1. Specific Yield

Recently under Aquifer Mapping Project, Central Ground Water Board has classified all the aquifers into 16 Principal Aquifers which in turn were divided into 42 Major Aquifers. Hence, it is required to assign Specific Yield values to all these aquifer units. The values recommended in the **Table 2.1** may be followed in the future assessments. The Major aquifer map can be obtained from Regional offices of Central Ground Water Board.

The recommended Specific Yield values are to be used for assessment, unless sufficient data based on field studies are available to justify the minimum, maximum or other intermediate values. The Norms suggested below are nothing but the redistribution of norms suggested by GEC-1997 methodology and hence people are encouraged to conduct field studies and strengthen the Norms database.

Table 2.1: Norms Recommended for Specific Yield

Sl. No.	Principal Aquifer	Major Aquifers		Age	Recommended (%)	Minimum (%)	Maximum (%)
		Code	Name				
1	Alluvium	AL01	Younger Alluvium (Clay/Silt/Sand/ Calcareous concretions)	Quaternary	10	8	12
2	Alluvium	AL02	Pebble / Gravel/ Bazada/ Kandi	Quaternary	16	12	20
3	Alluvium	AL03	Older Alluvium (Silt/Sand/Gravel/Lithomargic clay)	Quaternary	6	4	8
4	Alluvium	AL04	Aeolian Alluvium (Silt/ Sand)	Quaternary	16	12	20
5	Alluvium	AL05	Coastal Alluvium (Sand/Silt/Clay)	Quaternary	10	8	12
6	Alluvium	AL06	Valley Fills	Quaternary	16	12	20
7	Alluvium	AL07	Glacial Deposits	Quaternary	16	12	20
8	Laterite	LT01	Laterite / Ferruginous concretions	Quaternary	2.5	2	3
9	Basalt	BS01	Basic Rocks (Basalt) - Weathered, Vesicular or Jointed	Mesozoic to Cenozoic	2	1	3
10	Basalt	BS01	Basic Rocks (Basalt) - Massive Poorly Jointed	Mesozoic to Cenozoic	0.35	0.2	0.5
11	Basalt	BS02	Ultra Basic - Weathered, Vesicular or Jointed	Mesozoic to Cenozoic	2	1	3
12	Basalt	BS02	Ultra Basic - Massive Poorly Jointed	Mesozoic to Cenozoic	0.35	0.2	0.5
13	Sandstone	ST01	Sandstone/Conglomerate	Upper Palaeozoic to Cenozoic	3	1	5
14	Sandstone	ST02	Sandstone with Shale	Upper Palaeozoic to Cenozoic	3	1	5
15	Sandstone	ST03	Sandstone with shale/ coal beds	Upper Palaeozoic to Cenozoic	3	1	5
16	Sandstone	ST04	Sandstone with Clay	Upper Palaeozoic to Cenozoic	3	1	5
17	Sandstone	ST05	Sandstone/Conglomerate	Proterozoic to Cenozoic	3	1	5
18	Sandstone	ST06	Sandstone with Shale	Proterozoic to Cenozoic	3	1	5
19	Shale	SH01	Shale with limestone	Upper Palaeozoic to Cenozoic	1.5	1	2
20	Shale	SH02	Shale with Sandstone	Upper Palaeozoic to Cenozoic	1.5	1	2
21	Shale	SH03	Shale, limestone and sandstone	Upper Palaeozoic to Cenozoic	1.5	1	2
22	Shale	SH04	Shale	Upper Palaeozoic to Cenozoic	1.5	1	2
23	Shale	SH05	Shale/Shale with Sandstone	Proterozoic to	1.5	1	2

Dynamic Ground Water Resources Assessment of India - 2020

Sl. No.	Principal Aquifer	Major Aquifers		Age	Recommended (%)	Minimum (%)	Maximum (%)
		Code	Name				
				Cenozoic			
24	Shale	SH06	Shale with Limestone	Proterozoic to Cenozoic	1.5	1	2
25	Limestone	LS01	Miliolitic Limestone	Quaternary	2	1	3
26	Limestone	LS01	Karstified Miliolitic Limestone	Quaternary	10	5	15
27	Limestone	LS02	Limestone / Dolomite	Upper Palaeozoic to Cenozoic	2	1	3
28	Limestone	LS02	Karstified Limestone / Dolomite	Upper Palaeozoic to Cenozoic	10	5	15
29	Limestone	LS03	Limestone/Dolomite	Proterozoic	2	1	3
30	Limestone	LS03	Karstified Limestone/Dolomite	Proterozoic	10	5	15
31	Limestone	LS04	Limestone with Shale	Proterozoic	2	1	3
32	Limestone	LS04	Karstified Limestone with Shale	Proterozoic	10	5	15
33	Limestone	LS05	Marble	Azoic to Proterozoic	2	1	3
34	Limestone	LS05	Karstified Marble	Azoic to Proterozoic	10	5	15
35	Granite	GR01	Acidic Rocks (Granite, Syenite, Rhyolite etc.) - Weathered, Jointed	Mesozoic to Cenozoic	1.5	1	2
36	Granite	GR01	Acidic Rocks (Granite, Syenite, Rhyolite etc.) - Massive or Poorly Fractured	Mesozoic to Cenozoic	0.35	0.2	0.5
37	Granite	GR02	Acidic Rocks (Pegmatite, Granite, Syenite, Rhyolite etc.) - Weathered, Jointed	Proterozoic to Cenozoic	3	2	4
38	Granite	GR02	Acidic Rocks (Pegmatite, Granite, Syenite, Rhyolite etc.) - Massive, Poorly Fractured	Proterozoic to Cenozoic	0.35	0.2	0.5
39	Schist	SC01	Schist - Weathered, Jointed	Azoic to Proterozoic	1.5	1	2
40	Schist	SC01	Schist - Massive, Poorly Fractured	Azoic to Proterozoic	0.35	0.2	0.5
41	Schist	SC02	Phyllite	Azoic to Proterozoic	1.5	1	2
42	Schist	SC03	Slate	Azoic to Proterozoic	1.5	1	2
43	Quartzite	QZ01	Quartzite - Weathered, Jointed	Proterozoic to Cenozoic	1.5	1	2
44	Quartzite	QZ01	Quartzite - Massive, Poorly Fractured	Proterozoic to Cenozoic	0.3	0.2	0.4
45	Quartzite	QZ02	Quartzite - Weathered, Jointed	Azoic to Proterozoic	1.5	1	2
46	Quartzite	QZ02	Quartzite - Massive, Poorly Fractured	Azoic to Proterozoic	0.3	0.2	0.4
47	Charnockite	CK01	Charnockite - Weathered, Jointed	Azoic	3	2	4
48	Charnockite	CK01	Charnockite - Massive, Poorly Fractured	Azoic	0.3	0.2	0.4
49	Khondalite	KH01	Khondalites, Granulites -	Azoic	1.5	1	2

Sl. No.	Principal Aquifer	Major Aquifers		Age	Recommended (%)	Minimum (%)	Maximum (%)
		Code	Name				
			Weathered, Jointed				
50	Khondalite	KH01	Khondalites, Granulites - Massive, Poorly Fractured	Azoic	0.3	0.2	0.4
51	Banded Gneissic Complex	BG01	Banded Gneissic Complex - Weathered, Jointed	Azoic	1.5	1	2
52	Banded Gneissic Complex	BG01	Banded Gneissic Complex - Massive, Poorly Fractured	Azoic	0.3	0.2	0.4
53	Gneiss	GN01	Undifferentiated metasedimentaries/ Undifferentiated metamorphic - Weathered, Jointed	Azoic to Proterozoic	1.5	1	2
54	Gneiss	GN01	Undifferentiated metasedimentaries/ Undifferentiated metamorphic - Massive, Poorly Fractured	Azoic to Proterozoic	0.3	0.2	0.4
55	Gneiss	GN02	Gneiss -Weathered, Jointed	Azoic to Proterozoic	3	2	4
56	Gneiss	GN02	Gneiss-Massive, Poorly Fractured	Azoic to Proterozoic	0.3	0.2	0.4
57	Gneiss	GN03	Migmatitic Gneiss - Weathered, Jointed	Azoic	1.5	1	2
58	Gneiss	GN03	Migmatitic Gneiss - Massive, Poorly Fractured	Azoic	0.3	0.2	0.4
59	Intrusive	IN01	Basic Rocks (Dolerite, Anorthosite etc.) - Weathered, Jointed	Proterozoic to Cenozoic	2	1	3
60	Intrusive	IN01	Basic Rocks (Dolerite, Anorthosite etc.) - Massive, Poorly Fractured	Proterozoic to Cenozoic	0.35	0.2	0.5
61	Intrusive	IN02	Ultrabasics (Epidiorite, Granophyre etc.) - Weathered, Jointed	Proterozoic to Cenozoic	2	1	3
62	Intrusive	IN02	Ultrabasics (Epidiorite, Granophyre etc.) - Massive, Poorly Fractured	Proterozoic to Cenozoic	0.35	0.2	0.5

2.9.2. Rainfall Infiltration Factor

It is recommended that to assign Rainfall Infiltration Factor values to all the aquifer units recently classified by the Central Ground Water Board. The values recommended in **Table 2.2** may be followed in the future assessments. The recommended Rainfall Infiltration Factor values are to be used for assessment, unless sufficient data based on field studies are available to justify the minimum, maximum or other intermediate values.

An additional 2% of rainfall recharge factor may be used in such areas or parts of the areas where watershed development with associated soil conservation measures are implemented. This additional factor is subjective and is separate from the contribution due to the water conservation structures such as check dams, nalla bunds, percolation tanks etc. The norms for the estimation of

recharge due to these structures are provided separately. This additional factor of 2% is at this stage, only provisional, and will need revision based on pilot studies.

The Norms suggested below are nothing but the redistribution of norms suggested by GEC-1997 methodology and hence people are encouraged to conduct field studies and strengthen the Norms database.

Table 2.2: Norms Recommended for Rainfall Infiltration Factor

Sl. No.	Principal Aquifer	Major Aquifers		Age	Recommended (%)	Minimum (%)	Maximum (%)
		Code	Name				
1	Alluvium	AL01	Younger Alluvium (Clay/Silt/Sand/ Calcareous concretions)	Quaternary	22	20	24
2	Alluvium	AL02	Pebble / Gravel/ Bazada/ Kandi	Quaternary	22	20	24
3	Alluvium	AL03	Older Alluvium (Silt/Sand/Gravel/Lithomargic clay)	Quaternary	22	20	24
4	Alluvium	AL04	Aeolian Alluvium (Silt/ Sand)	Quaternary	22	20	24
5	Alluvium	AL05	Coastal Alluvium (Sand/Silt/Clay) -East Coast	Quaternary	16	14	18
5	Alluvium	AL05	Coastal Alluvium (Sand/Silt/Clay) - West Coast	Quaternary	10	8	12
6	Alluvium	AL06	Valley Fills	Quaternary	22	20	24
7	Alluvium	AL07	Glacial Deposits	Quaternary	22	20	24
8	Laterite	LT01	Laterite / Ferruginous concretions	Quaternary	7	6	8
9	Basalt	BS01	Basic Rocks (Basalt) - Vesicular or Jointed	Mesozoic to Cenozoic	13	12	14
9	Basalt	BS01	Basic Rocks (Basalt) - Weathered	Mesozoic to Cenozoic	7	6	8
10	Basalt	BS01	Basic Rocks (Basalt) - Massive Poorly Jointed	Mesozoic to Cenozoic	2	1	3
11	Basalt	BS02	Ultra Basic - Vesicular or Jointed	Mesozoic to Cenozoic	13	12	14
11	Basalt	BS02	Ultra Basic - Weathered	Mesozoic to Cenozoic	7	6	8
12	Basalt	BS02	Ultra Basic - Massive Poorly Jointed	Mesozoic to Cenozoic	2	1	3
13	Sandstone	ST01	Sandstone/Conglomerate	Upper Palaeozoic to Cenozoic	12	10	14
14	Sandstone	ST02	Sandstone with Shale	Upper Palaeozoic to Cenozoic	12	10	14
15	Sandstone	ST03	Sandstone with shale/ coal beds	Upper Palaeozoic to Cenozoic	12	10	14
16	Sandstone	ST04	Sandstone with Clay	Upper Palaeozoic to Cenozoic	12	10	14
17	Sandstone	ST05	Sandstone/Conglomerate	Proterozoic to Cenozoic	6	5	7
18	Sandstone	ST06	Sandstone with Shale	Proterozoic to Cenozoic	6	5	7
19	Shale	SH01	Shale with limestone	Upper Palaeozoic to Cenozoic	4	3	5
20	Shale	SH02	Shale with Sandstone	Upper Palaeozoic to Cenozoic	4	3	5

Dynamic Ground Water Resources Assessment of India - 2020

Sl. No.	Principal Aquifer	Major Aquifers		Age	Recommended (%)	Minimum (%)	Maximum (%)
		Code	Name				
21	Shale	SH03	Shale, limestone and sandstone	Upper Palaeozoic to Cenozoic	4	3	5
22	Shale	SH04	Shale	Upper Palaeozoic to Cenozoic	4	3	5
23	Shale	SH05	Shale/Shale with Sandstone	Proterozoic to Cenozoic	4	3	5
24	Shale	SH06	Shale with Limestone	Proterozoic to Cenozoic	4	3	5
25	Limestone	LS01	Miliolitic Limestone	Quaternary	6	5	7
27	Limestone	LS02	Limestone / Dolomite	Upper Palaeozoic to Cenozoic	6	5	7
29	Limestone	LS03	Limestone/Dolomite	Proterozoic	6	5	7
31	Limestone	LS04	Limestone with Shale	Proterozoic	6	5	7
33	Limestone	LS05	Marble	Azoic to Proterozoic	6	5	7
35	Granite	GR01	Acidic Rocks (Granite, Syenite, Rhyolite etc.) - Weathered, Jointed	Mesozoic to Cenozoic	7	5	9
36	Granite	GR01	Acidic Rocks (Granite, Syenite, Rhyolite etc.) - Massive or Poorly Fractured	Mesozoic to Cenozoic	2	1	3
37	Granite	GR02	Acidic Rocks (Pegmatite, Granite, Syenite, Rhyolite etc.) - Weathered, Jointed	Proterozoic to Cenozoic	11	10	12
38	Granite	GR02	Acidic Rocks (Pegmatite, Granite, Syenite, Rhyolite etc.) - Massive, Poorly Fractured	Proterozoic to Cenozoic	2	1	3
39	Schist	SC01	Schist - Weathered, Jointed	Azoic to Proterozoic	7	5	9
40	Schist	SC01	Schist - Massive, Poorly Fractured	Azoic to Proterozoic	2	1	3
41	Schist	SC02	Phyllite	Azoic to Proterozoic	4	3	5
42	Schist	SC03	Slate	Azoic to Proterozoic	4	3	5
43	Quartzite	QZ01	Quartzite - Weathered, Jointed	Proterozoic to Cenozoic	6	5	7
44	Quartzite	QZ01	Quartzite - Massive, Poorly Fractured	Proterozoic to Cenozoic	2	1	3
45	Quartzite	QZ02	Quartzite - Weathered, Jointed	Azoic to Proterozoic	6	5	7
46	Quartzite	QZ02	Quartzite - Massive, Poorly Fractured	Azoic to Proterozoic	2	1	3
47	Charnockite	CK01	Charnockite - Weathered, Jointed	Azoic	5	4	6
48	Charnockite	CK01	Charnockite - Massive, Poorly Fractured	Azoic	2	1	3
49	Khondalite	KH01	Khondalites, Granulites - Weathered, Jointed	Azoic	7	5	9
50	Khondalite	KH01	Khondalites, Granulites - Massive, Poorly Fractured	Azoic	2	1	3
51	Banded Gneissic Complex	BG01	Banded Gneissic Complex - Weathered, Jointed	Azoic	7	5	9

Sl. No.	Principal Aquifer	Major Aquifers		Age	Recommended (%)	Minimum (%)	Maximum (%)
		Code	Name				
52	Banded Gneissic Complex	BG01	Banded Gneissic Complex - Massive, Poorly Fractured	Azoic	2	1	3
53	Gneiss	GN01	Undifferentiated metasedimentaries/ Undifferentiated metamorphic - Weathered, Jointed	Azoic to Proterozoic	7	5	9
54	Gneiss	GN01	Undifferentiated metasedimentaries/ Undifferentiated metamorphic - Massive, Poorly Fractured	Azoic to Proterozoic	2	1	3
55	Gneiss	GN02	Gneiss -Weathered, Jointed	Azoic to Proterozoic	11	10	12
56	Gneiss	GN02	Gneiss-Massive, Poorly Fractured	Azoic to Proterozoic	2	1	3
57	Gneiss	GN03	Migmatitic Gneiss - Weathered, Jointed	Azoic	7	5	9
58	Gneiss	GN03	Migmatitic Gneiss - Massive, Poorly Fractured	Azoic	2	1	3
59	Intrusive	IN01	Basic Rocks (Dolerite, Anorthosite etc.) - Weathered, Jointed	Proterozoic to Cenozoic	7	6	8
60	Intrusive	IN01	Basic Rocks (Dolerite, Anorthosite etc.) - Massive, Poorly Fractured	Proterozoic to Cenozoic	2	1	3
61	Intrusive	IN02	Ulrra Basics (Epidiorite, Granophyre etc.) - Weathered, Jointed	Proterozoic to Cenozoic	7	6	8
62	Intrusive	IN02	Ulrra Basics (Epidiorite, Granophyre etc.) - Massive, Poorly Fractured	Proterozoic to Cenozoic	2	1	3

2.9.3. Norms for Canal Recharge

Unlike other norms, the Recharge factor for calculating recharge due to canals is given in two units viz. ham/million m² of wetted area/day and cumecs per million m² of wetted area. As all other norms are in ham, the committee recommends the norm in ham/million m² of wetted area for computing the recharge due to canals.

There is a wide variation in the values of the recharge norms proposed by GEC 1997. The Canal seepage norm is approximately 150 times the other recharge norms. In the absence of any field studies to refine the norms it is decided by the committee to continue with the same norms. The committee strongly recommends that each state agency must conduct one field study at least one in each district before completing the first assessment using this methodology. The committee also suggests a recommended value and minimum and maximum values as in the case of other norms. Where specific results are available from case studies in some states, the adhoc norms are to be replaced by norms evolved from these results.

The Norms suggested in **Table 2.3** below are nothing but the rationalization and redistribution of norms suggested by GEC-1997 methodology and hence people are encouraged to conduct field studies and strengthen the Norms database.

Table 2.3: Norms Recommended for Recharge due to Canals

Formation	Canal Seepage factor ham/day/million square meters of wetted area		
	Recommended	Minimum	Maximum
Unlined canals in normal soils with some clay content along with sand	17.5	15	20
Unlined canals in sandy soil with some silt content	27.5	25	30
Lined canals in normal soils with some clay content along with sand	3.5	3	4
Lined canals in sandy soil with some silt content	5.5	5	6
All canals in hard rock area	3.5	3	4

2.9.4. Norms for Recharge Due to Irrigation

The Norms Suggested by GEC-1997 gives for only three ranges of water levels and it creates a problem in the boundary conditions. For instance, as a result of the variation in water level from 24.9 to 25.1m bgl in the adjoining blocks, change occurs in the return flow from irrigation in the range of 10% to 15%. Hence to reduce the discrepancy it is recommended to have linear relationship of the norms in between 10m bgl water level and 25m bgl water level. It is proposed to have the same norm of 10m bgl zone for all the water levels less than 10m. Similarly, the norm recommended for 25m may be used for the water levels more than 25m as well. The Recommended Norms are presented in **Table 2.4**.

For surface water, the recharge is to be estimated based on water released at the outlet. For ground water, the recharge is to be estimated based on gross draft. Where continuous supply is used instead of rotational supply, an additional recharge of 5% of application may be used. Where specific results are available from case studies in some states, the adhoc norms are to be replaced by norms evolved from these results.

Table 2.4: Norms Recommended for Recharge from Irrigation

DTW m bgl	Ground Water		Surface Water	
	Paddy	Non-paddy	Paddy	Non-paddy
≤ 10	45.0	25.0	50.0	30.0
11	43.3	23.7	48.3	28.7
12	40.4	22.1	45.1	26.8
13	37.7	20.6	42.1	25.0
14	35.2	19.2	39.3	23.3

DTW m bgl	Ground Water		Surface Water	
	Paddy	Non-paddy	Paddy	Non-paddy
15	32.9	17.9	36.7	21.7
16	30.7	16.7	34.3	20.3
17	28.7	15.6	32.0	18.9
18	26.8	14.6	29.9	17.6
19	25.0	13.6	27.9	16.4
20	23.3	12.7	26.0	15.3
21	21.7	11.9	24.3	14.3
22	20.3	11.1	22.7	13.3
23	18.9	10.4	21.2	12.4
24	17.6	9.7	19.8	11.6
≥ 25	20.0	5.0	25.0	10.0

2.9.5. Norms for Recharge due to Tanks & Ponds

As the data on the field studies for computing recharge from Tanks & Ponds are very limited, it is recommended to follow the same norm as followed in GEC 1997 in future assessments also. Hence the norm recommended by GEC-2015 for Seepage from Tanks & Ponds is 1.4 mm / day.

2.9.6. Norms for Recharge due to Water Conservation Structures

Even though the data on the field studies for computing recharge from Water Conservation Structures are very limited, it is recommended that the Recharge from the water conservation structures is 40% of the Gross Storage based on the field studies by Non-Government Organizations. Hence, the norm recommended by GEC-2015 for the seepage from Water Conservation Structures is 40% of gross storage during a year which means 20% during monsoon season and 20% during non-monsoon Season.

2.9.7. Norm for Per Capita Requirement

As the option is given to use the actual requirement for domestic needs, the Requirement Norm recommended by the committee is 60 lpcd for domestic needs. This can be modified if the actual requirement is known.

2.9.8. Norm for Natural Discharges

The Discharge Norm used in computing Unaccounted Natural Discharge is 5% if water table fluctuation method is used or 10% if rainfall infiltration factor method is used for assessing the Rainfall recharge. This committee recommends to compute the base flow for each assessment unit. Wherever, there is no assessment of base flow, earlier norms recommended by GEC 1997 i.e. 5% or 10% of the Total Annual Ground Water Recharge as the Natural Discharges may be continued.

2.9.9. Unit Draft

GEC-1997 methodology recommends to use well census method for computing the ground water draft. The norm used for computing ground water draft is the unit draft. The unit draft can be computed by field studies. This method involves selecting representative abstraction structure and

calculating the discharge from that particular type of structure and collecting the information on how many hours of pumping is being done in various seasons and number of such days during each season. The Unit Draft during a particular season can be computed using the following equation:

$$\text{Unit Draft} = \text{Discharge in m}^3/\text{hr} \times \text{No. of pumping hours in a day} \times \text{No. of days} \dots \dots \dots (29)$$

One basic drawback in the methodology of computing unit draft is that there is no normalization procedure for the same. As per GEC-1997 guidelines, the recharge from rainfall is normalized for a normal rainfall. It means that even though the resources are estimated in a surplus rainfall year or in a deficit rainfall year, the assessment is normalised for a normal rainfall which is required for planning. For recharge from other sources, average figures/ values are taken. If the average figures are not available for any reason, 60% of the design figures are taken. This procedure is very much essential as the planning should be for average resources rather than for the recharge due to excess rainfall or deficit rainfall. But the procedure that is being followed for computing unit draft does not have any normalization procedure. Normally, if the year in which one collects the draft data in the field is an excess rainfall year, the abstraction from ground water will be less. Similarly, if the year of the computation of unit draft is a drought year the unit draft will be high. Hence, there is a requirement to devise a methodology that can be used for the normalization of unit draft figures. The following are the two simple techniques, which can be followed. If the unit draft values for one rainfall cycle are available for at least 10 years second method shown in equation 31 is to be followed or else the first method shown in equation 30 may be used.

$$\text{Normalised Unit Draft} = \frac{\text{Unit Draft} \times \text{Rainfall for the year}}{\text{Normal Rainfall}} \dots \dots \dots (30)$$

$$\text{Normalised Unit Draft} = \frac{\sum_{i=1}^n \text{Unit Draft}_i}{\text{Number of Years}} \dots \dots \dots (31)$$

Although GEC-1997 methodology recommends a default value for the unit drafts, each State is using its own values, generally after conducting field studies, even though without a documentation. Hence, it is felt that this norm may be computed by the state agency, which is going to assess the norms before commencement of the assessment. But it is strongly recommended that the field studies should be documented and submitted along with the results of the assessment.

2.10. INDIA -GROUNDWATER RESOURCE ESTIMATION SYSTEM (IN-GRES)

“INDIA-GROUNDWATER RESOURCE ESTIMATION SYSTEM (IN-GRES) is a Software/Web-based Application developed by CGWB in collaboration with IIT-Hyderabad. It will provide common and standardized platform for Ground Water Resource Estimation for the entire country and its pan-India operationalization (Central and State Governments). The system will take ‘Data Input’ through Excel as well as Forms, compute various ground water components (recharge, extraction etc.) and classify assessment units into appropriate categories (safe, semi-critical, critical and over-exploited). The Software uses GEC 2015 Methodology for estimation and calculation of Groundwater resources. It allows for unique and homogeneous representation of groundwater fluxes as well as categories for all the assessment units (AU) of the country.

URL of IN-GRES → <http://ingres.iith.ac.in>

The detailed description about IN-GRES Software is given in **Appendix-C**.

CHAPTER 3

3.0 RAINFALL OF INDIA

Rainfall is the main source of ground water recharge in the country. However, distribution of rainfall has a wide variation both in space and time. Rain gauge stations are established and maintained by different departments and Undertakings of Central and State governments and also by private parties as per their specific data requirements. Though the period of seasons varies from place to place, for climatological purposes especially for rainfall, a year is divided into 4 seasons: Winter (January and February), Pre monsoon (March to May), South West Monsoon (June to September) and Post Monsoon (October to December). Most part of India receives rainfall mainly during SW Monsoon season. However, main Rainfall season in Tamil Nadu is October–December. Jammu and Kashmir, Himachal Pradesh and Uttarakhand receive significant rainfall in all four seasons.

Over 75% of the annual rainfall is received in the four rainy months for June to September only there by leading to large variations on temporal scale. The average annual rainfall is 119 cm, but it has great spatial variations. The areas on the Western Ghats and the Sub-Himalayan areas in North East and Meghalaya Hills receive heavy rainfall of over 250 cm annually, whereas the Areas of Northern parts of Kashmir and Western Rajasthan receive rainfall less than 40 cm. Rainfall Normals have been computed using rainfall records of 50 years (1961-2010) of a network of 3800 Stations all over the India. The two significant features of India's rainfall are that, in the north India, rainfall decreases westwards and in the Peninsular India, it decreases eastwards and then increases in the coastal region.

In 2019, the country received actual annual rainfall of 1288.8 mm which was 110% of its long period average (LPA). The country received actual SW Monsoon season (June to September) rainfall of 971.8 mm which was 110% of its long period average (LPA). The rainfall for the country as whole during Pre-monsoon, Postmonsoon and Winter season was **102.1mm**, **161.1 mm** & **51.5 mm** which was **-22%**, **30%** & **26%** of LPA respectively. The seasonal rainfall for the country as a whole was more than the normal value for the all the seasons except Premonsoon. The rainfall deficiency for the country as a whole was maximum (22%) during pre-Monsoon season. Annually, Met sub-division-wise ,Konkan & Goa received highest rainfall of 4830.8 mm and Haryana; Chadigarh & Delhi received lowest annual rainfall Of 356.8 mm. [Source: Rainfall Statistics of India 2019 of India Meteorological Department(Ministry of Earth Sciences), Report No.-MoES/IMD/HS/ Rainfall Report/01(2021)/57]

State wise seasonal and annual observed rainfall, and its percentage departure from normal rainfall for the states have been given in Table 1. It may be observed that during 2019, annual highest area weighted rainfall of 4489.5 mm was received at Goa and the lowest rainfall of 351.8 mm was received at Haryana. However, on comparing with Normal rainfall, it may be seen that, Dadra & Nagar Haveli (UT) was with the highest positive departure of 70% from its normal where as Manipur remained with highest negative departure (-54%) from normal.

Statewise monthly observed rainfall (mm) for the states have been given in Table 2. During SW Monsoon season, monthly highest rainfall occurred 1513.2 mm over the state of Dadra & Nagar Haveli (UT) in the month of July and minimum rainfall occurred 58.7 mm over the state Tamilnadu in the month of July.

Table 1 : State Wise Seasonal and Annual Rainfall (mm)-Year 2019					
STATES	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
EAST & NORTH EAST INDIA					
ARUNACHAL PRADESH	95.7	573.4	1541.4	151.3	2433.3
ASSAM	28.7	604.9	1333.8	161.2	2084.7
MEGHALAYA	29.8	919.9	2432.8	365.6	3844.4
NAGALAND	27.0	314.2	1003.4	241.5	1593.0
MANIPUR	14.3	159.3	642.1	151.2	928.6
MIZORAM	28.8	224.7	1526.9	166.6	2178.5
TRIPURA	48.1	572.9	1389.0	242.8	2252.8
SIKKIM	90.3	714.6	1825.1	110.0	2740.0
WEST BENGAL	73.8	250.4	1186.1	223.2	1733.4
JHARKHAND	25.6	110.3	858.9	143.0	1137.8
BIHAR	30.8	69.3	1049.4	42.2	1194.7
NORTH WEST INDIA					
UTTAR PRADESH	37.5	13.1	719.9	49.5	814.5
UTTARAKHAND	201.8	101.1	961.8	114.2	1378.9
HARYANA	31.8	36.9	255.2	27.9	351.8
CHANDIGARH (UT)	76.8	80.0	716.4	65.5	938.7
DELHI	58.0	26.5	380.1	41.6	546.9
PUNJAB	101.2	54.2	434.5	63.3	653.2
HIMACHAL PRADESH	279.3	134.5	683.0	120.9	1217.7
JAMMU & KASHMIR	356.9	219.3	486.5	254.6	1324.1
RAJASTHAN	7.6	29.9	583.7	43.9	665.1
CENTRAL INDIA					
ODISHA	24.2	148.6	1232.5	188.6	1593.9
MADHYA PRADESH	12.6	18.2	1351.1	64.8	1446.7
GUJARAT	0.8	0.7	993.3	72.9	1067.8
DADRA & NAGAR HAVELI (UT)	0.0	0.0	3622.8	150.9	3773.7
DAMAN & DIU (UT)	0.0	0.0	2161.6	108.6	2270.3
GOA	0.0	3.4	3917.6	568.5	4489.5
MAHARASHTRA	4.3	6.9	1329.8	186.1	1555.8
CHHATISGARH	25.8	32.6	1255.7	106.2	1420.3
SOUTH PENINSULA					
A & N ISLAND (UT)	179.6	282.0	2331.3	293.0	3086.0
ANDHRA PRADESH	12.8	52.2	565.2	269.0	899.2
TELANGANA	24.6	27.6	806.9	172.6	1031.7
TAMILNADU	4.8	51.6	401.6	452.1	910.1
PUDUCHERRY (UT)	5.0	15.0	553.2	775.1	1317.0
KARNATAKA	4.5	77.9	1032.1	307.9	1422.3
KERALA	13.1	169.6	2309.8	626.8	3119.2
LAKSHADWEEP (UT)	28.1	37.9	1227.0	850.0	2143.0

Table 2 : State-wise Monthly Rainfall (mm) - Year 2019												
STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA												
ARUNACHAL PRADESH	10.8	87.2	127.6	116.8	325.5	323.1	719.9	150.9	347.5	116.7	13.9	17.0
ASSAM	2.6	26.0	50.7	179.3	374.1	313.9	550.6	188.7	280.5	147.7	10.8	2.8
MEGHALAYA	1.2	28.6	18.6	344.1	489.6	632.5	1033.4	271.7	495.3	339.6	24.6	1.5
NAGALAND	9.6	17.5	55.5	130.2	128.5	214.6	265.7	243.5	285.8	199.3	38.7	3.4
MANIPUR	1.6	12.8	35.8	61.4	62.7	168.8	179.3	109.6	184.5	108.4	33.2	9.6
MIZORAM	0.5	28.4	18.5	53.0	181.3	296.1	722.0	263.2	245.6	121.9	41.6	3.1
TRIPURA	0.0	48.1	34.3	209.9	328.7	329.1	639.6	196.2	224.1	193.0	46.1	3.7
SIKKIM	16.8	73.5	168.7	170.2	375.8	415.8	597.1	327.4	484.8	81.9	6.5	21.7
WEST BENGAL	0.1	73.7	38.7	75.8	135.9	167.1	363.3	313.7	341.9	167.0	48.2	8.0
JHARKHAND	0.9	24.6	19.0	43.9	47.4	89.3	243.1	260.5	265.9	129.8	0.0	13.2
BIHAR	5.1	25.7	3.1	32.4	33.4	97.8	418.5	140.4	392.7	25.5	0.0	16.6
NORTH WEST INDIA												
UTTAR PRADESH	13.5	23.9	5.1	4.8	3.2	40.2	296.9	169.1	213.8	18.7	4.7	25.7
UTTARAKHAND	76.3	125.4	33.8	39.5	27.8	84.3	288.8	360.1	228.6	32.0	24.0	58.2
HARYANA	14.6	17.1	7.8	11.4	17.7	18.9	131.0	83.6	21.7	5.0	13.1	9.7
CHANDIGARH (UT)	20.0	56.8	24.4	35.2	20.4	24.8	321.4	230.2	140.1	0.3	35.8	29.4
DELHI	34.8	23.1	5.1	7.9	13.5	6.6	167.4	149.2	57.4	13.5	4.5	22.6
PUNJAB	28.1	73.1	9.4	23.9	20.9	24.9	183.6	156.4	69.6	9.1	25.8	28.3
HIMACHAL PRADESH	84.7	194.7	60.7	32.5	41.3	55.5	213.9	320.6	93.1	21.8	49.0	50.2
JAMMU & KASHMIR	140.0	216.9	84.6	57.4	76.4	84.3	194.1	163.7	43.1	30.7	158.9	65.0
RAJASTHAN	5.4	2.2	1.3	11.6	17.0	46.3	173.4	248.2	115.8	22.3	17.7	3.8
CENTRAL INDIA												
ODISHA	1.3	22.9	24.9	38.9	84.9	146.6	300.7	445.2	339.9	176.1	10.7	1.8
MADHYA PRADESH	5.8	6.9	6.8	9.5	1.9	70.4	360.5	482.6	437.6	47.9	5.0	11.9
GUJARAT	0.5	0.3	0.0	0.6	0.1	84.8	188.1	401.8	318.7	52.4	19.1	1.5
DADRA & NAGAR HAVELI (UT)	0.0	0.0	0.0	0.0	0.0	364.7	1513.2	941.3	803.7	106.1	44.8	0.0

STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DAMAN & DIU (UT)	0.0	0.0	0.0	0.0	0.0	236.8	701.7	600.8	622.3	43.4	64.9	0.3
GOA	0.0	0.0	0.0	1.7	1.7	781.7	1302.7	1143.4	689.8	547.7	20.7	0.1
MAHARASHTRA	3.7	0.5	2.0	3.8	0.8	155.6	448.1	381.2	345.1	162.8	21.5	1.8
CHHATISGARH	14.9	10.9	12.2	8.2	12.3	129.4	369.1	409.1	348.1	100.3	0.7	5.2
SOUTH PENINSULA												
A & N ISLAND (UT)	173.8	5.8	15.8	35.3	230.9	662.2	212.0	860.4	596.8	136.6	131.9	24.5
ANDHRA PRADESH	11.5	1.2	4.1	17.7	30.3	61.4	125.4	149.4	229.1	217.4	20.4	31.2
TELANGANA	23.2	1.5	2.1	13.9	11.6	85.8	219.9	260.0	241.2	160.3	9.4	3.0
TAMILNADU	2.1	2.7	3.1	18.6	29.9	33.6	58.7	133.3	176.0	224.5	124.5	103.1
PUDUCHERRY (UT)	0.0	5.0	0.0	3.1	13.7	30.5	125.7	176.0	221.0	295.3	218.4	261.4
KARNATAKA	0.8	3.7	3.3	26.4	48.2	151.2	252.3	395.8	232.8	268.7	28.8	10.3
KERALA	0.7	12.4	13.9	93.5	62.1	359.0	574.3	950.5	426.0	471.4	119.2	36.2
LAKSHADWEEP (UT)	0.0	28.1	4.1	22.4	11.4	242.5	489.4	338.4	156.7	503.4	40.0	306.7
Country as a whole	18.5	33.1	18.7	31.5	51.3	113.5	298.8	299.9	259.5	110.1	31.6	19.2

3.1 METEOROLOGICAL SUBDIVISION-WISE ANNUAL & SEASONAL RAINFALL MAPS

The rainfall statistics is computed based on the receipt of rainfall data from about 3500 stations spread over the entire country. Based on daily rainfall data of these stations, the rainfall of all the districts is computed and using the rainfall of the districts, rainfall statistics for the Meteorological (Met.) Subdivisions, states, the four broad regions and for the whole country have been computed. The present publication includes the updated rainfall statistics for the country as a whole, for all the four broad regions of India, 36 Met.Subdivisions, all States and UTs and 681 Districts of India. The statistics is provided on monthly, 4 seasons i.e. Winter (Jan-Feb), Pre-Monsoon (Mar-May), Southwest (SW) Monsoon (Jun-Sep) and Post-Monsoon (Oct-Dec), and on annual basis. The Rainfall Normals used in this report are based on the rainfall records for the period from 1961-2010. Percentage departure of rainfall from Rainfall Normals, besides these statistics, have been color coded as per their categories. The list of categories, their corresponding ranges and color codes is given in Table 3.

Met.Subdivision-wise rainfall maps for the year 2019 and for the four seasons depicting the observed and normal rainfall values along with their percentage departure from normals with defined colors for different categories are given below at Figure 3.1 to Figure 3.5. The normal rainfall values are shown in Bold figures on the map where as the actual rainfall are shown in small figures. Percentage departures of rainfall are shown within the brackets.

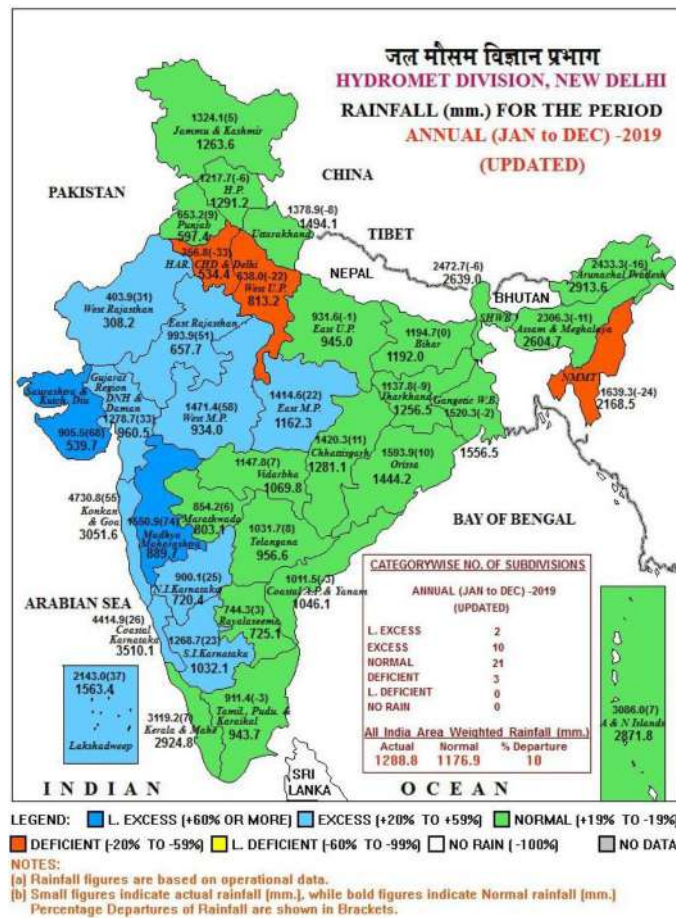


Fig. 3.1: Annual Rainfall Map-2019

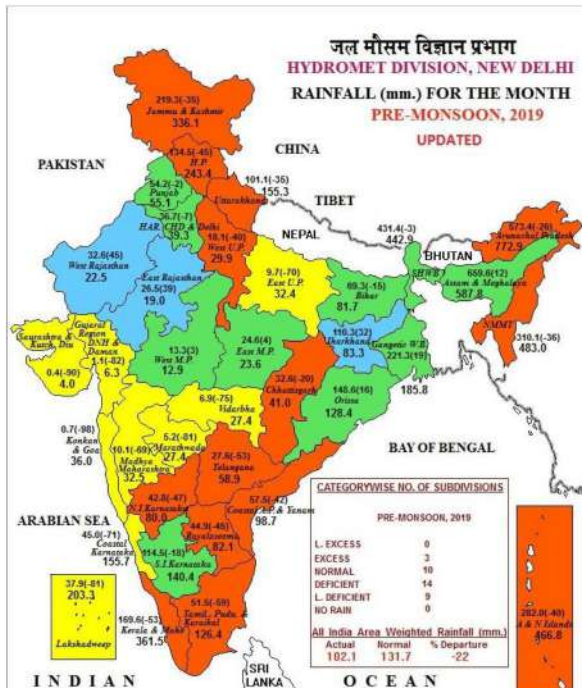


Fig. 3.2: Pre-Monsoon Rainfall Map-2019

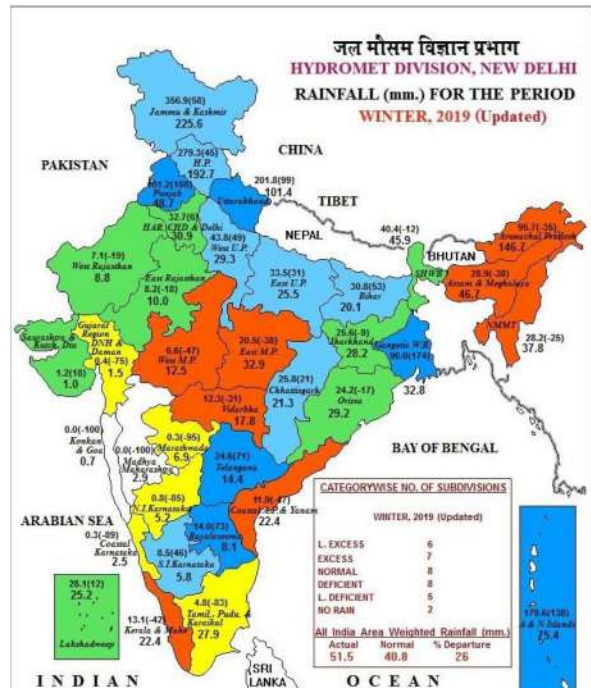


Fig. 3.3: Winter Rainfall Map-2019

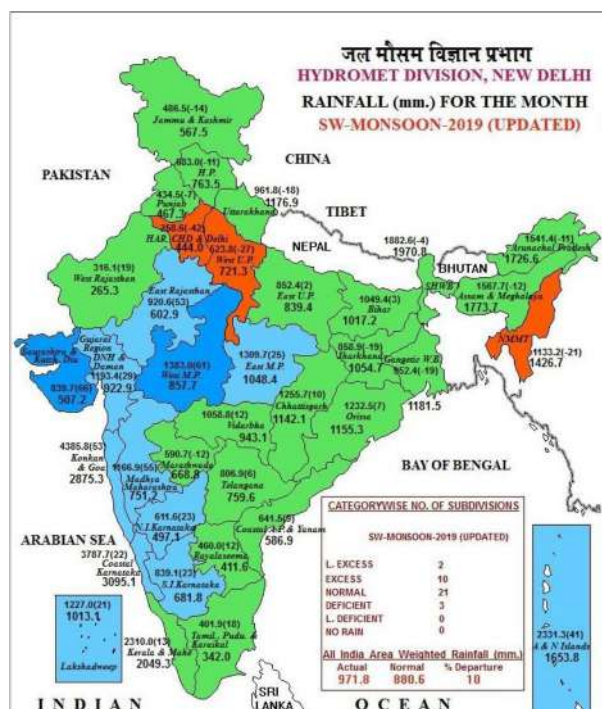


Fig. 3.4: SW Monsoon Rainfall Map-2019

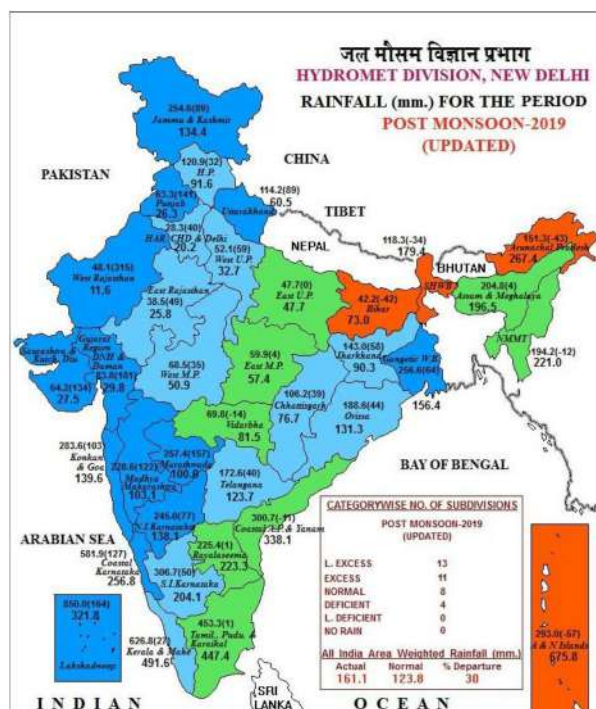


Fig. 3.5: Post-Monsoon Rainfall Map-2019

Table 3: The list of categories, their corresponding ranges and color codes

Category	Departure from Normals	Colour Code
Large Excess (LE)	60% or more	
Excess (E)	20% to 59%	
Normal (N)	-19% to +19%	
Deficient (D)	-20% to -59%	
Large Deficient (LD)	-60% to -99%	
No Rain	-100%	
No Data	Data Not Available	

CHAPTER 4

4.0 HYDROGEOLOGICAL SETUP OF INDIA

India is occupied by a variety of hard and fissured formations, including crystalline, trappean basalt and consolidated sedimentaries (including carbonate rocks), with patches of semi- consolidated sediments in narrow intra-cratonic basins. Apart from this, the northern part of the country and south of Himalayan terrain is occupied by alluvial formation stretching from Rajasthan in the west to Brahmaputra valley in the east. Rugged topography, compact and fissured nature of the rock formations combine to give rise to discontinuous aquifers, with moderate to poor yield potentials. The near surface weathered mantle coupled with deeper fractures form an important aquifer in case of hard rocks. In hard rock terrains, deep weathered pediments, lowlands, valley fills and abandoned river channels, generally have adequate thickness of porous material, to act as repositories of groundwater.

4.1 AQUIFER SYSTEMS OF INDIA

Various rock formations with different hydrogeological characteristics act as distinct aquifer systems of varying dimensions. The aquifer systems of India can be broadly categorized in to 14 Principal Groups. A brief description of the Principal Aquifer Systems (Fig. 4.1), as identified by CGWB (CGWB 2012) is given below.

4.1.1 Alluvial Aquifers

The Quaternary sediments comprising Recent Alluvium, Older Alluvium, Aeolian Alluvium (Silt/ Sand) and Coastal Alluvium of Bay of Bengal are by and large important unconsolidated formations constituting major alluvial aquifers. These sediments are essentially composed of clays, silts, sands, pebbles, Kankar etc. These are by far the most significant ground water reservoirs for large scale and extensive development. The hydrogeological environment and ground water regime in the Indo-Ganga-Brahmaputra basin indicate the existence of potential aquifers having enormous fresh ground water reserves. Bestowed with high incidence of rainfall and covered by a thick pile of porous sediments, these ground water reservoirs get replenished every year and are being used heavily. In these areas, in addition to the Annual Replenishable Ground Water Resources available in the zone of Water Level Fluctuation (Dynamic Ground Water Resource), there exists a huge ground water reserve in the deeper part below the zone of fluctuation as well as in the deeper confined aquifers. The coastal aquifers show wide variation in water quality, both laterally and vertically, thus imposing quality constraints for groundwater development.

4.1.2 Laterite

Laterites are formed from the leaching (chemical weathering) of parent sedimentary rocks (sandstones, clays, limestones); metamorphic rocks (schists, gneisses, migmatites) and igneous rocks (granites, basalts, gabbros, peridotites). It is rich in iron and aluminium, formed in hot and wet tropical areas. Laterites are the most wide spread and extensively developed aquifer especially in the peninsular states of India. Laterite forms potential aquifers along valleys and topographic lows where the thickness of the saturated zone is more and can sustain large diameter open wells for domestic and irrigation use.

4.1.3 Sandstone, Shale Aquifers

The sandstone and shale aquifers generally belong to the group of rocks ranging in age from Carboniferous to Mio-Pliocene. The terrestrial freshwater deposits belonging to Gondwana System and the Tertiary deposits along the west and east coast of the peninsular region are included under this category. The Gondwana sandstones form highly potential aquifers, locally. Elsewhere, they have moderate potential and in places they yield meagre supplies. The Gondwanas, Lathis, Tipams, Cuddalore sandstones and their equivalents are the most extensive productive aquifers in this category.

4.1.4 Limestone Aquifers

The consolidated sedimentary rocks include carbonate rocks such as limestones, dolomite and marble. Among the carbonate rocks, limestones occupy the largest area. In the carbonate rocks, the principal water bearing zones are the fractures and solution cavities. Consolidated sedimentary rocks of Cuddapah and Vindhyan subgroups and their equivalents consist of limestones/dolomites apart from other major litho-units such as conglomerates, sandstones, shales, slates and quartzites.

4.1.5 Basalt Aquifers

Basalt is a basic volcanic rock which forms alternate layers of compact and vesicular beds of lava flows as seen in the Deccan trap area. The ground water occurrence in basalts are controlled by nature and extent of weathering, presence of vesicles and lava tubes, thickness of flows, number of flows and the nature of inter-trappean layers. Basaltic aquifers have usually medium to low permeability. Ground water occurrence in the Deccan Traps is controlled by the contrasting water bearing properties of different flow units, thus, resulting in multiple aquifer system, at places. The water bearing zones are the weathered and fractured zones.

4.1.6 Crystalline Aquifers

The crystalline hard rock aquifers such as granite, gneisses and high grade metamorphic rocks such as charnockites and khondalites constitute good repository of ground water. Most of the results of groundwater exploration projects have proven that hard rocks neither receive nor transmit water, unless they are weathered and/or fractured. The aquifers are the weathered zone or the fracture system. The fracture system includes fractures, joints, bedding planes, and solution holes. These openings do not have an even distribution and are rather localized. The weathered zone is underlain by semi-weathered rock, fractured rock followed by bedrock. The depth of the bed rock varies from 30-100 m.

In hard rock terrains, ground water occurs under phreatic condition in the mantle of weathered rock, overlying the hard rock, while within the fissures, fractures, cracks, joints within the hard rock, ground water is mostly under semi-confined or in the confined state. Compared to the volume of water stored under semi-confined condition within the body of the hardrock, the storage in the overlying phreatic aquifer is often much greater. In such cases, the network of fissures and fractures serves as a permeable conduit feeding this water to the well. Ground water flow rarely occurs across the topographical water divides and each basin or sub-basin can be treated as a separate hydrogeological unit for planning the development of ground water resources.

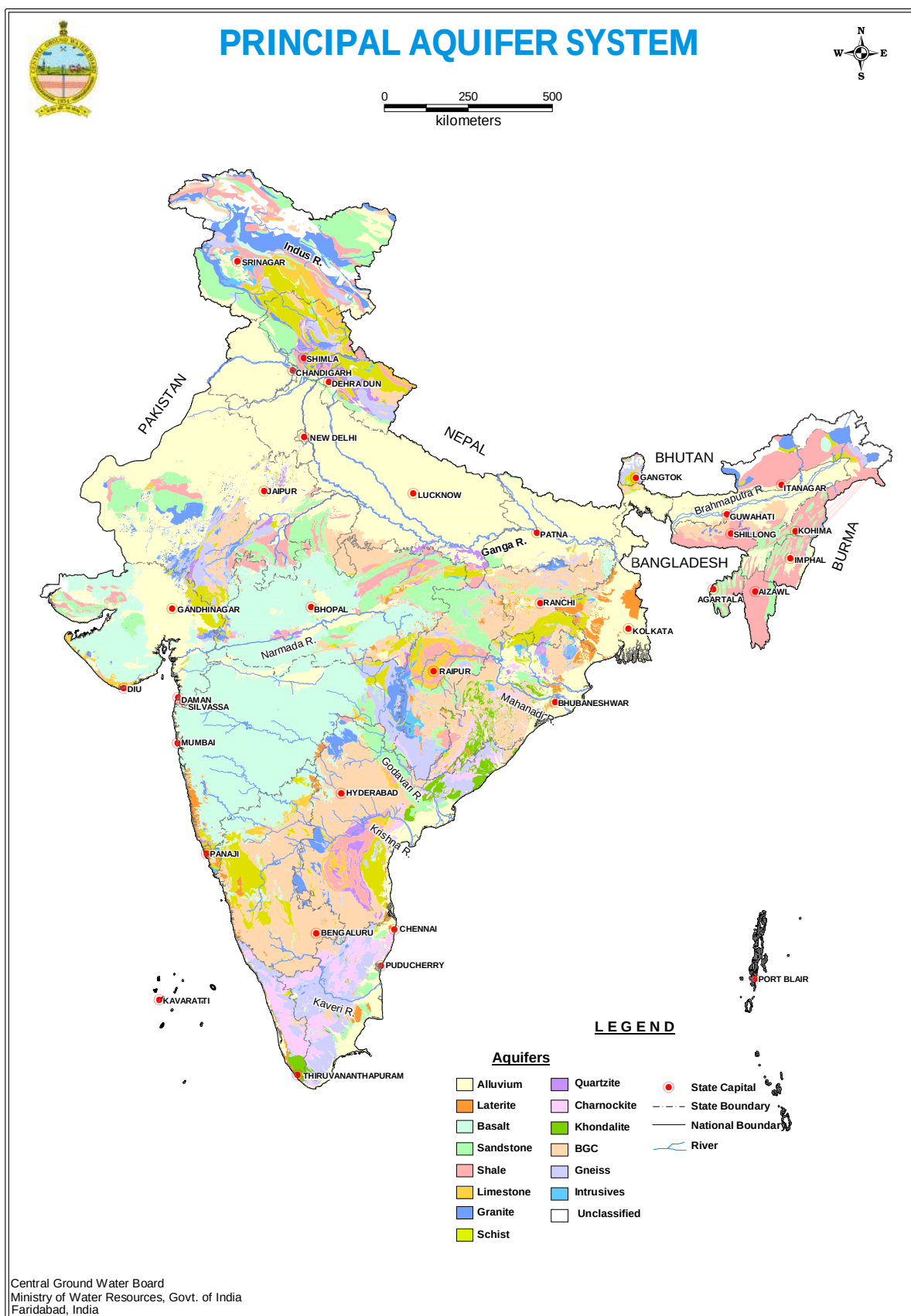


Fig. 4.1: Principal Aquifer Systems of India

CHAPTER-5

5.0 GROUND WATER LEVEL SCENARIO IN THE COUNTRY

Ground water level is one of the basic data elements, which reflects the ground water regime in an area. Central Ground Water Board (CGWB) monitors ground water levels four times a year during January, April/ May, August and November through a network of 22730 observation wells spreading throughout the country. The periodicity of ground water level monitoring by the State Governments varies from State to State. The primary objective of monitoring the ground water level is to record the response of ground water regime to the natural and anthropogenic stresses on recharge and discharge components which are governed by geology, climate, physiography, land use pattern and hydrologic characteristics. Natural conditions affecting the regime include climatic parameters like rainfall, evapotranspiration etc. Anthropogenic influences include pumpage from the aquifer, recharge due to irrigation systems and other practices like waste disposal etc. Water level data generated and archived by CGWB along with data from State Government departments have been used for assessment of ground water resources. An outline of groundwater scenario during the period of assessment is given below.

5.1 GROUND WATER LEVEL SCENARIO (2019)

Ground water level data of **Pre-monsoon 2019** for the country (Fig. 5.1) reveals that the general depth to water level of the country ranges from 5 to 10 m bgl. Very shallow water level of less than 2 m bgl is observed in few states, such as Assam, Jharkhand, Odisha and Tripura in small patches. Ground Water level in the range of 2-5 m bgl is seen in Assam, northern parts of Uttar Pradesh and Bihar, Coastal parts of Odisha, few pockets in Andhra Pradesh, Gujarat and Maharashtra. Major part of the country shows water level in the range 5-10 m bgl, especially in the states of Madhya Pradesh, Uttar Pradesh, Bihar, Jharkhand, West Bengal, Odisha, Chhattisgarh, Maharashtra, Gujarat, Tamil Nadu, Telangana and Karnataka. In major parts of north-western and western states, especially in the states of Delhi, Haryana, Punjab and Rajasthan, depth to water level is generally deeper and ranges from about 20 to more than 40 m bgl. The peninsular part of country recorded a water level in the range of 5 to 20 m bgl. The maximum depth to water level of 128.15 m bgl is observed in Bikaner district of Rajasthan whereas the minimum is less than 1 m bgl.

The ground water level data for **November (Post-monsoon) 2019** (Fig. 5.2) for the country reveals that the general depth to water level of the country ranges from 0 to 10 m bgl. Very shallow water level of less than 2 m bgl is observed in the states of Assam, Odisha, Andhra Pradesh, Maharashtra, Madhya Pradesh, Gujarat, Uttar Pradesh, West Bengal, Telangana, Tamil Nadu in small patches. Majority of the wells monitored (approx. 39 %) shows water level in the range of 2- 5 m bgl, covering almost the whole country, except the north western, western and parts of northern India. In major parts of north-western and western states, depth to water level is generally deeper and ranges from about 10- 40 m bgl. In parts Delhi, Haryana and Rajasthan, water level of more than 40 m bgl is also recorded. The southern states, namely Kerala, Tamil Nadu, Karnataka and Telangana recorded a water level in the range of 5 to 20 m bgl, in patches. The maximum depth to water level of 121.28 m bgl is observed in Bikaner district of Rajasthan whereas the minimum is less than 1 m bgl.

5.1.1 Fluctuation of Ground Water level: Pre-monsoon 2019 compared to Pre-monsoon 2016

A comparison of depth to water level of Premonsoon 2019 with Premonsoon 2016 (Fig. 5.3) indicates that 51% of the analysed wells show decline in water level whereas almost 47% wells show rise in water level. 2.5% wells show no change. Rise and decline in water level is primarily in the 0-2 m range. Decline of water level is quite prominent in the states/ UTs of Andhra Pradesh, Bihar, Chandigarh, Dadra Nagar Haveli, Goa, Gujarat, Haryana, Jammu & Kashmir, Jharkhand, Karnataka, Maharashtra, Meghalaya, Pondicherry, Punjab, Rajasthan, Tamil Nadu and Uttarakhand. Decline of more than 4 m water level is observed in small pockets in the states of Andhra Pradesh, Chandigarh, Dadra Nagar Haveli, Gujarat, Haryana, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Telangana and Uttarakhand.

5.1.2 Fluctuation of Ground Water level: November 2019 compared to November 2016

A comparison of depth to water level of November 2019 with November 2016 (Fig. 5.4) indicates that 69% of the analysed wells show rise in water level whereas 30% wells show decline in water level. 1% wells show no change. Rise and decline in water level is primarily in the 0-2 m range. Rise in water level is prominently seen in the states/ UTs of Andhra Pradesh, Assam, Bihar, Chhattisgarh, Dadra Nagar Haveli, Daman & Diu, Goa, Gujarat, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Pondicherry, Tamil Nadu, Telangana, Uttar Pradesh, Uttarakhand and West Bengal.

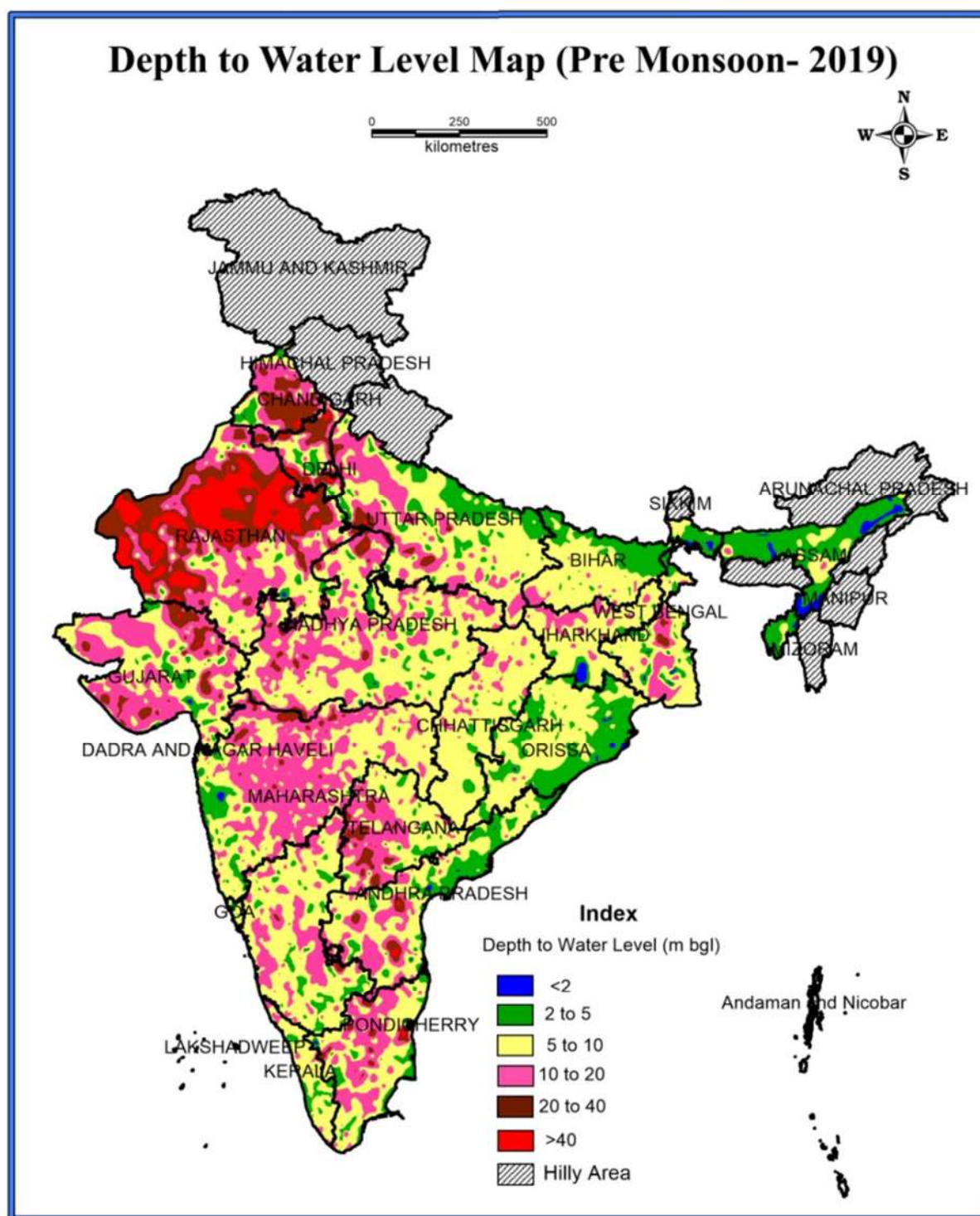


Fig. 5.1: Pre-monsoon Depth to Water Level Map (2019)

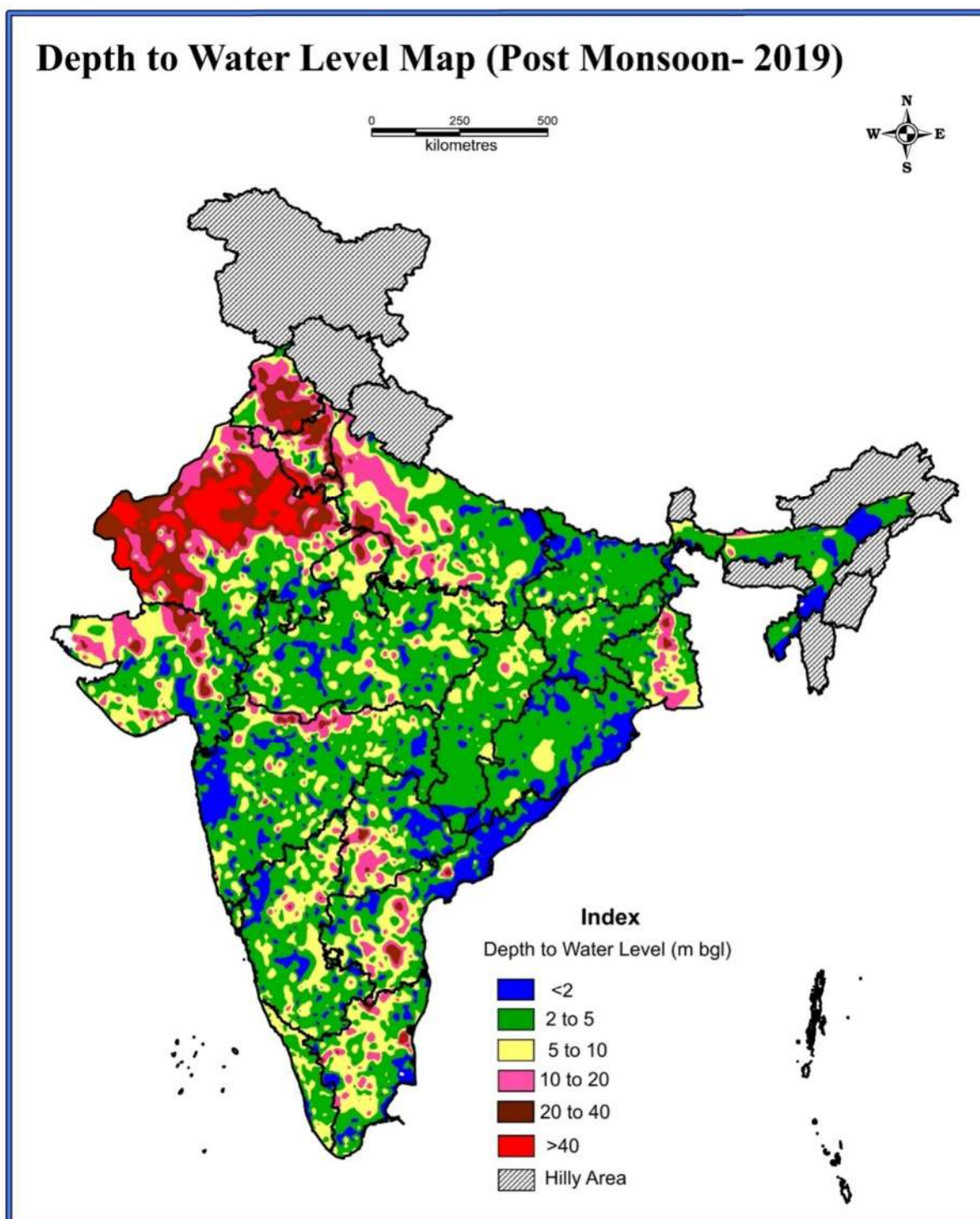


Fig. 5.2: Post-monsoon Depth to Water Level Map (2019)

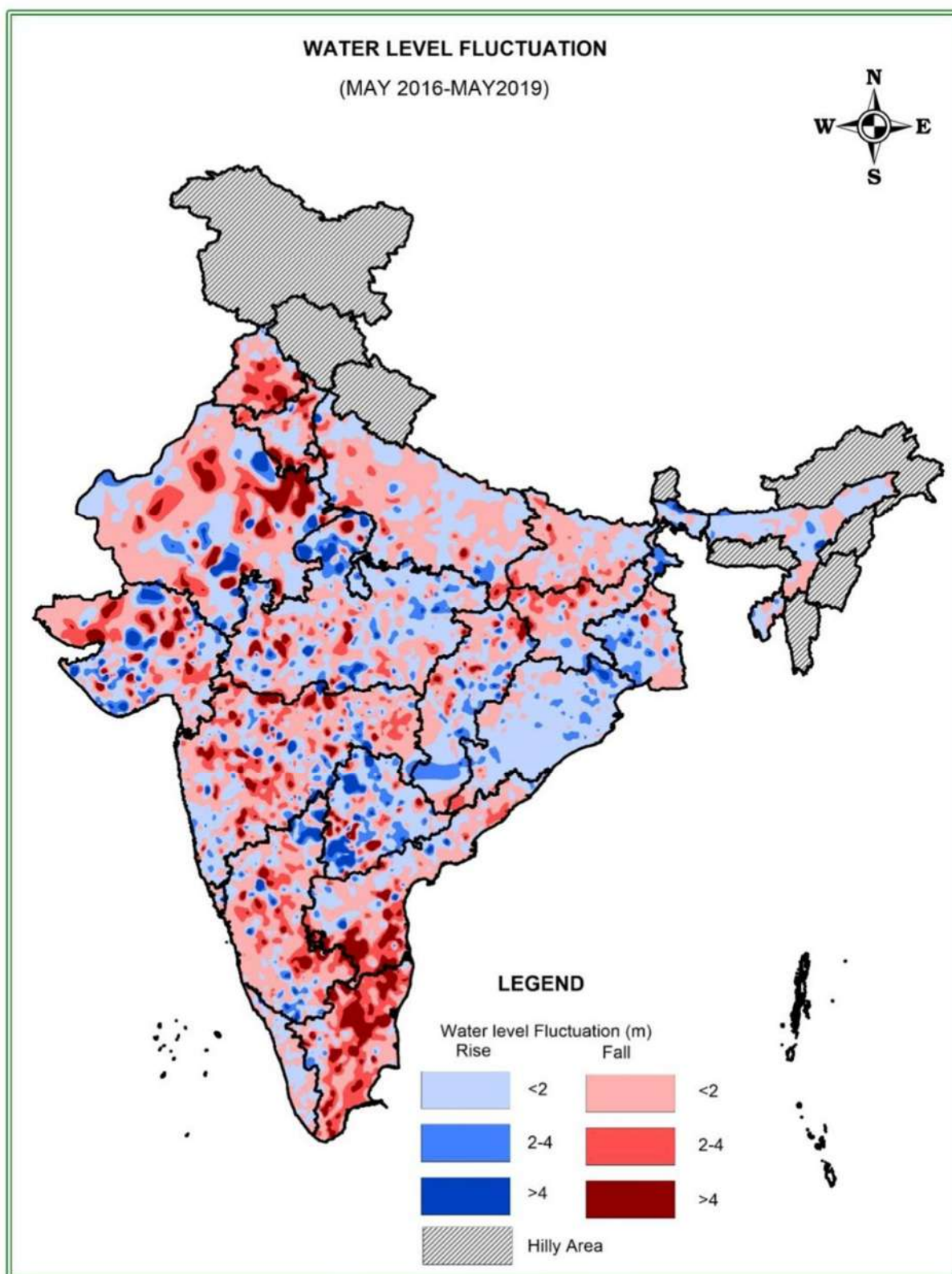


Fig. 5.3: Ground Water Level Fluctuation: Pre-monsoon 2019 compared to Pre-monsoon 2016

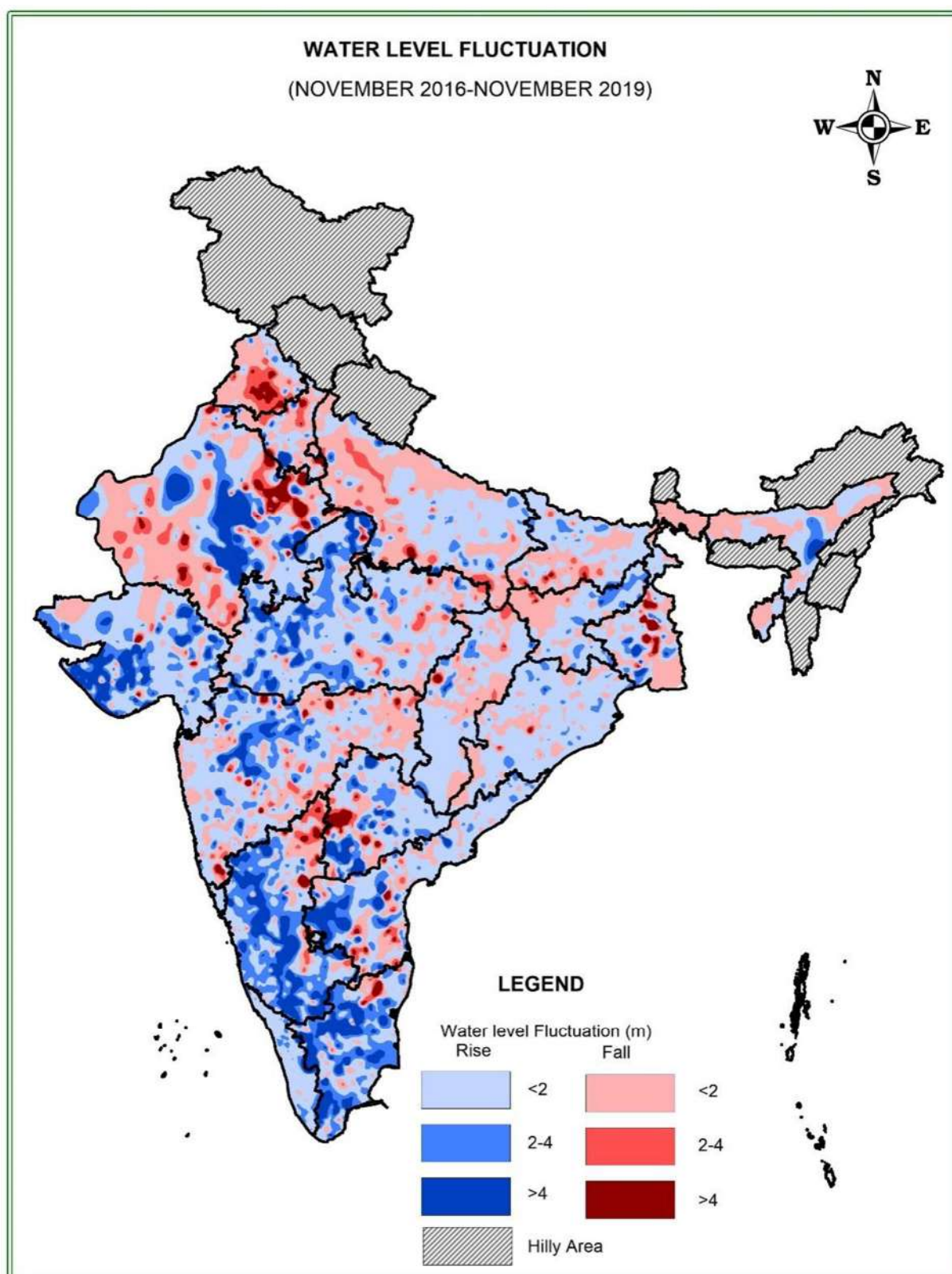


Fig. 5.4: Ground Water Level Fluctuation: November 2019 compared to November 2016

CHAPTER 6

6.0 GROUND WATER RESOURCES OF INDIA

The Dynamic ground water resources (as in 2020) of the entire country have been assessed jointly by CGWB and State Ground Water Departments under the supervision of the State level Committees. The dynamic ground water resources are also known as Annual Ground Water Recharge, since it gets recharged every year from rainfall and other sources (secondary sources) such as applied irrigation water, surface water bodies, water conservation structures, etc. Methodology adopted for the assessment has been outlined in Chapter 2 of this report. This section provides a summary of the Ground water Resources Assessment 2020 (GWRA-2020) made for the country.

6.1 DYNAMIC FRESH GROUND WATER RESOURCES

As per the 2020 assessment of Dynamic Ground Water Resources, the Total Annual Ground Water Recharge for the entire country has been assessed as 436.15 billion cubic meter (bcm) and Total natural discharges works out to be 38.51 bcm. Hence, Annual Extractable Ground Water Resources for the entire country is 397.62 bcm.

Major source of ground water recharge is the monsoon rainfall, which is 249.65 bcm and about 57 % of the total annual ground water recharge (Fig.6.1). The contribution in Annual Ground Water Recharge from rainfall during monsoon season is more than 70% in the states/UT of Bihar, Goa, Gujarat, Jharkhand, Kerala, Madhya Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Andaman & Nicobar, Dadra & Nagar Haveli Daman & Diu and Lakshadweep. (Fig 6.2). The overall contribution of rainfall (both monsoon & non-monsoon) recharge to country's total annual ground water recharge is 64 % and the share of recharge from 'Other sources' viz. canal seepage, return flow from irrigation, recharge from tanks, ponds and water conservation structures taken together is 36 %.

State-wise Ground Water Resources of India (as in 2020) are given in **Annexure-I** and the district-wise figures for each State are given in **Annexure-II**. The over-all scenario of ground water resource and extraction in the country is given in **Fig. 6.1, 6.2, 6.3, 6.4 & 6.5**.

Volumetric estimates are dependent on the areal extent of the assessment units. In order to compare the ground water resource of different assessment units, the volumetric estimates of annual ground water recharge have been converted to depth units (m) by dividing the annual ground water recharge by the area of the respective assessment units (km²). Spatial variation in annual ground water recharge (m) is shown in **Fig 6.3**. Annual Ground Water Recharge is significantly high in the Indus-Ganga-Brahmaputra alluvial belt in the North, East and North East India covering the states of Punjab, Haryana, Uttar Pradesh, Bihar, West Bengal and valley areas of North Eastern States, where rainfall is plenty and thick piles of unconsolidated alluvial formations are conducive for recharge. Annual Ground Water Recharge in these regions varies from 0.25 to more than 0.5 m. The coastal alluvial belt particularly Eastern Coast also has relatively high annual ground water recharge, in the range 0.25 to more than 0.5 m. In western India, particularly Rajasthan and parts of northern Gujarat that have arid climate, the annual ground water recharge is scanty, mostly up to 0.025 m. Similarly, in major parts of the southern peninsula covered with hardrock terrains, annual ground

water recharge mostly ranges from 0.10 to 0.15 m. This is primarily because of comparatively low infiltration and storage capacity of the rock formations prevailing in the region. The remaining part of Central India is mostly characterized by moderate recharge in the range of 0.10 to 0.25 m.

The overall estimate of Annual Ground Water Recharge for the entire country shows a increase of 4 bcm in the present assessment as compared to the last assessment i.e. 2017. The Annual Extractable Ground Water Resources shows a increase of 5 bcm. The Annual Ground Water Extraction for irrigation, domestic and Industrial uses has also decreased by 4 bcm. The main reasons for these variations is attributed to refinement of parameters, refinement in well census data and changing ground water regime.

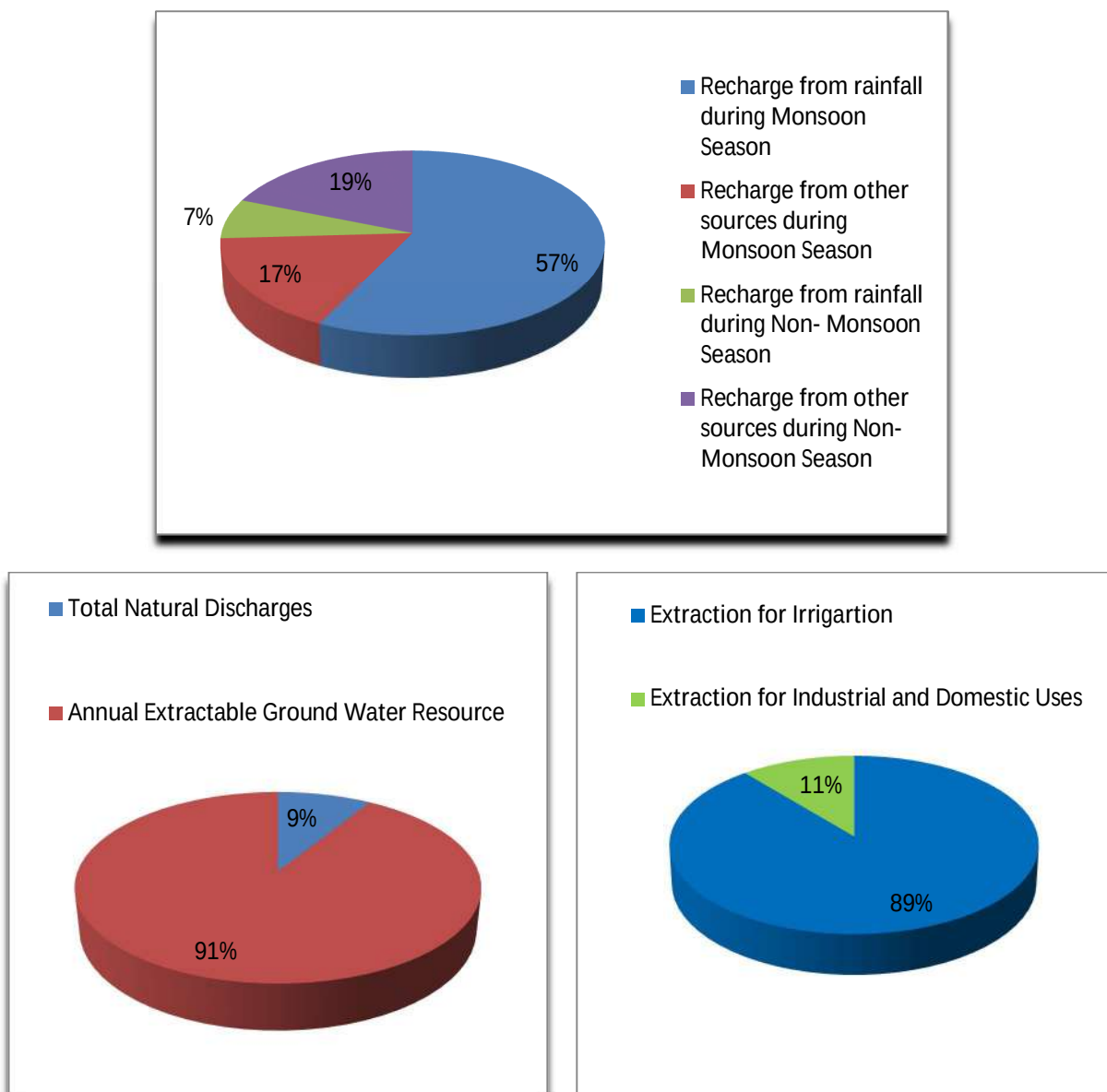


Fig. 6.1: Ground Water Resources and Extraction Scenario in India, 2020

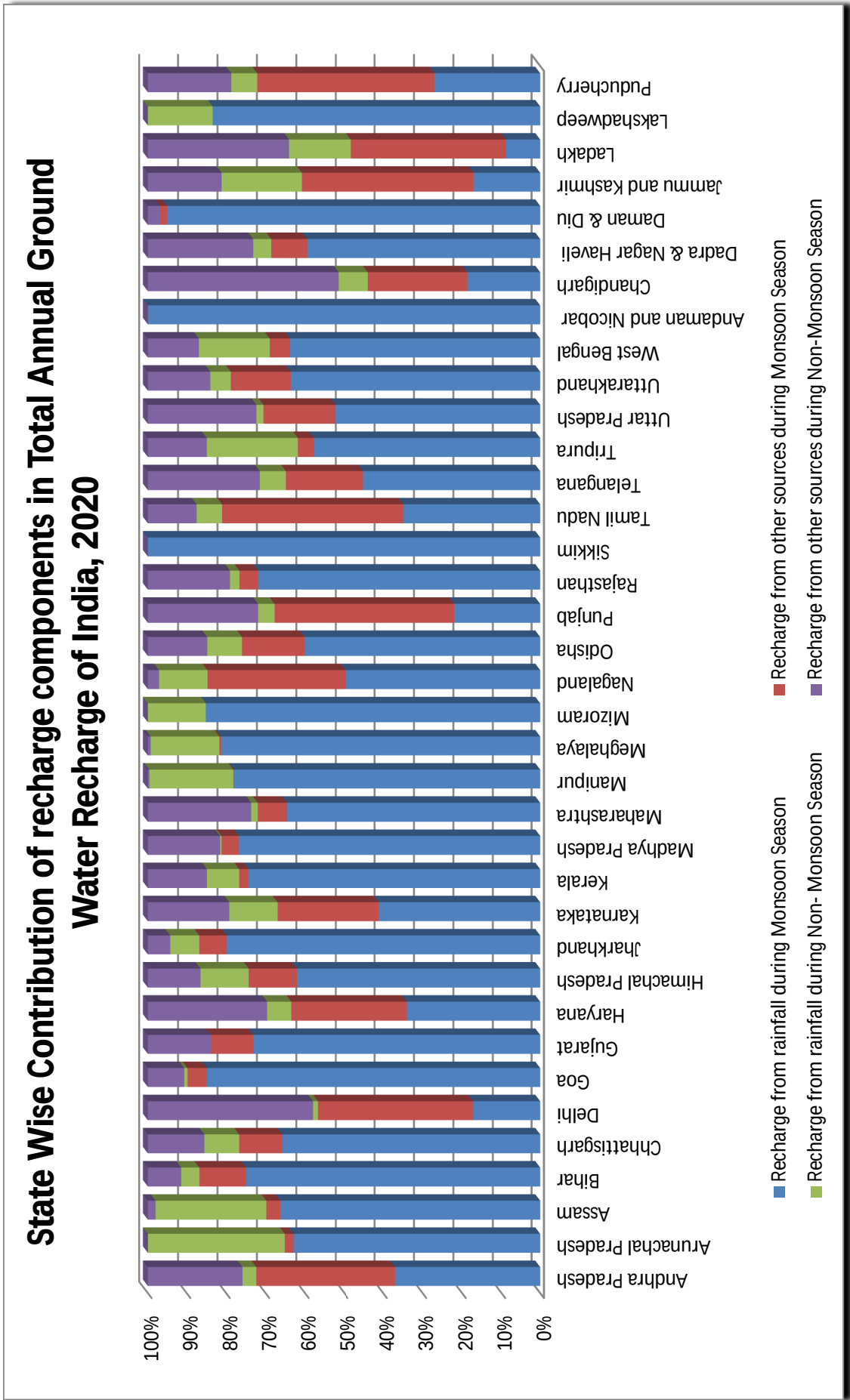


Fig.6.2: State wise contribution of recharge components in Total Annual Ground Water Recharge of India, 2020

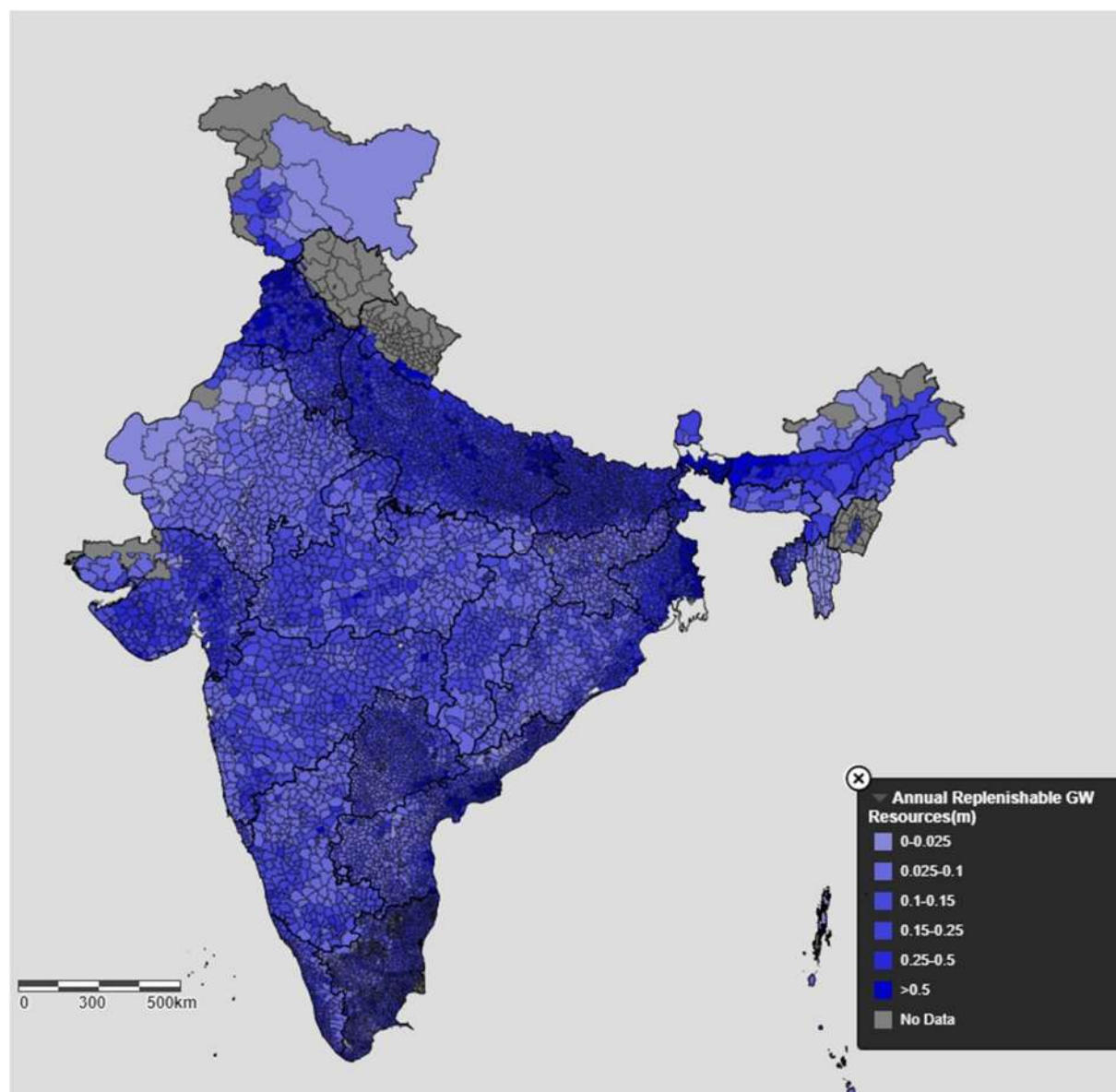


Fig. 6.3: Spatial variation in annual ground water recharge, 2020

6.2 GROUND WATER EXTRACTION

The assessment of ground water extraction is carried out considering the Minor Irrigation Census data and sample surveys carried out by the State Ground Water Departments. The Total Annual Ground Water Extraction of the entire country for the year 2020 has been estimated as 244.92bcm. Agriculture sector is the predominant consumer of ground water resources. About 89 % of total annual ground water extraction i.e. 217.61 bcm is for irrigation use. Only 27.3 bcm is for Domestic & Industrial use, which is about 11 % of the total extraction. In the states of Arunachal Pradesh, Delhi, Goa, Kerala, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Andaman & Nicobar Island, Chandigarh, Dadra & Nagar Haveli, Jammu & Kashmir, Ladakh and Lakshadweep the ground water extraction for domestic uses is more than 40 % (**Fig 6.4**).

6.3 STAGE OF GROUND WATER EXTRACTION

The overall stage of groundwater development in the country is 61.6 %.The stage of ground water Extraction is very high in the states of Delhi, Haryana, Punjab and Rajasthan, where it is more than 100%, which implies that in these states the annual ground water consumption is more than annual extractable ground water resources. In the states of Tamil Nadu, Uttar Pradesh, Karnataka and UTs of Chandigarh and Puducherry, the stage of ground water Extraction is between 60-100%. In rest of the states, the stage of ground water extraction is below 60 %.

6.4 CATEGORIZATION OF ASSESSMENT UNITS

Out of the total 6965 assessment units (Blocks/ Taluks/ Mandals/ Districts/Firkas/Valleys), 1114 has been categorized as 'Over-exploited', 270 as 'Critical', 1057 as 'Semi-critical', and 4427 units as 'Safe'. There are 97 assessment units, which are completely saline. The State-wise and District-wise numbers of assessment units under different categories are given in **Annexure III (A) and Annexure III (B)** respectively. The percentage of Over-exploited and Critical administrative units more than 25% of the total units are in Delhi, Haryana, Karnataka, Punjab, Rajasthan, Tamil Nadu (**Fig. 6.5**). The State-wise name of the assessment units under Over-exploited, Critical and Semi-critical categories and Quality problems in assessment units are given in **Annexure IV (A) and Annexure IV (B)** respectively. Similarly out of 24.33 lakh sq km recharge worthy area of the country, 4.09 lakh sq km (17 %) are under 'Over-Exploited', 0.86 lakh sq km (4 %) are under 'Critical', 3.4 lakh sq km (14 %) are under 'Semi-Critical', 15.67 lakh sq km (64 %) are under 'Safe' and 0.3 lakh sq km (1 %) are under 'Saline' category assessment units. State-wise and District-wise details are given in **Annexure III (E) and Annexure III (F)** respectively. Out of 397.62 bcm of Total Annual Extractable Resources of the country, 50.54 bcm (13 %) are under 'Over-Exploited', 12.71 bcm (3 %) are under 'Critical', 54.11 bcm (14 %) are under 'Semi-Critical', 280.26 bcm (70 %) are under 'Safe' category assessment units. State-wise and District-wise details are given in **Annexure III (C) and Annexure III (D)** respectively.

The state wise summary of assessment units improved or deteriorated from 2017 to 2020 assessment and detailed comparison of categorization of assessment units from 2017 and 2020 are given in **Annexure V (A) and Annexure V(B)** respectively.

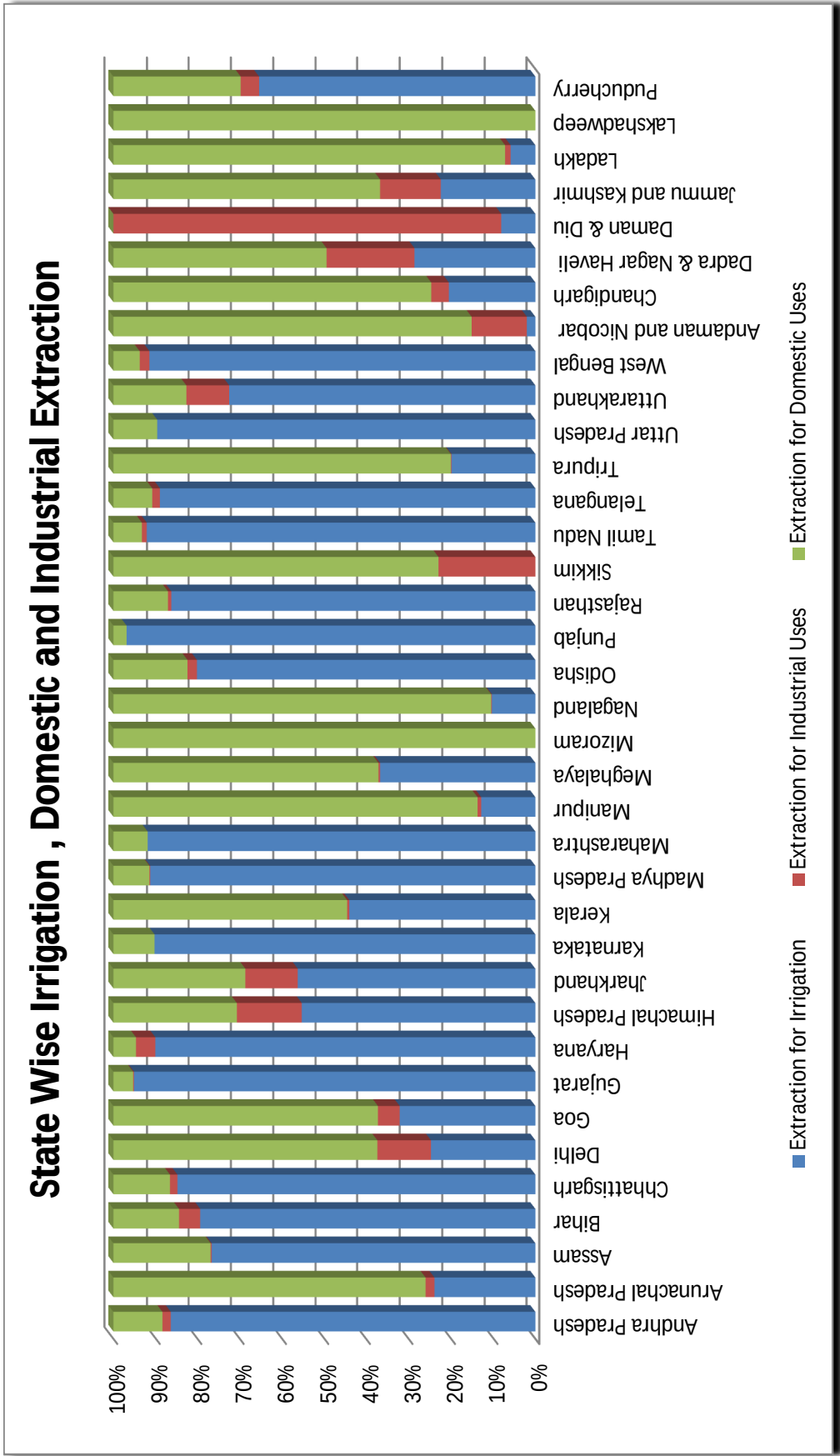


Fig. 6.4: State wise Irrigation Draft Vs Domestic & Industrial

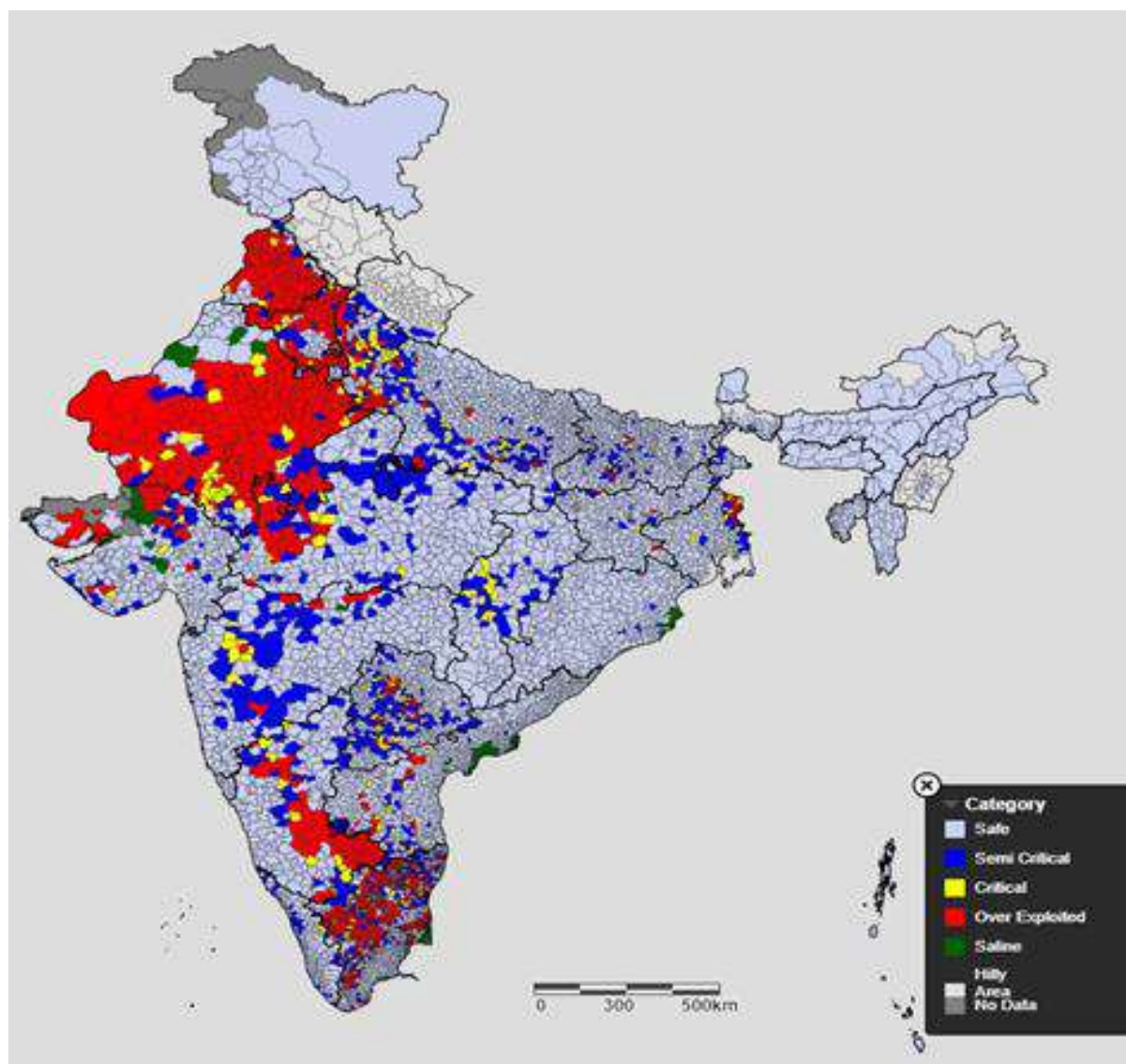


Fig. 6.5: Categorization of Assessment Units

6.5 INTEGRATION OF GROUND WATER AND SURFACE WATER DATA WITH A VIEW TO FACILITATE PLANNING FOR CONJUNCTIVE USE OF WATER RESOURCES

Assessment of ground water resources is based on the principle of water balance using the equation 'Inflow – Outflow = Change in Storage (of an aquifer)'. Major inflow components include recharge due to rainfall and recharge from other sources. Major outflow component is ground water extraction for domestic, irrigation and industrial uses. Vertical flow across the aquifer system, lateral flow along the aquifer system (throughflow), transpiration, evaporation and base flow are other important components.

The area of each assessment unit (block/taluk/mandal/tehsil/firka etc.) is divided into command area and non-command area for the purpose of assessment. If an assessment unit is having more than 100 ha area under major and medium irrigation projects then that much area will be considered as command area. For the command area, along with other data/information pertaining to ground water resource assessment, data/information related to canal flows is collected from the relevant agencies for assessing the recharge from canal seepage. Similarly, data related to irrigation water applied in the assessment area from surface and ground water sources in different seasons are estimated for assessing the return flow from irrigation (return flow factor depends upon depth to water level, paddy/non-paddy crops etc.). Recharge from water bodies/tanks/lakes are assessed in the area based on average water spread area and recharge factor. Recharge from water conservation structures in the area are assessed based on the storage capacity, number fillings and recharge factor. All these data/information are collected/compiled for assessment of ground water resource of the assessment units. Based on the ground water resources and surface water sources availability assessed, integrated water resource management plan and planning for conjunctive management of surface and ground water can be devised at block/assessment level by the planners. This data/information collected/compiled for assessment will be very useful for local administrators for managing water resources in a holistic and sustainable manner.

CHAPTER 7

7.0 STATE WISE GROUND WATER RESOURCE SCENARIO

The ground water conditions, its availability and utilization scenario and categorization of assessment units in different states are given in Annexure I, II, III & IV. State wise summaries are given below.

7.1 ANDHRA PRADESH

The State is divided into 667 assessment units (Mandals) as the State is predominantly covered by hardrocks. The Ground water resources of these watersheds were estimated separately for Command, Non Command and Poor ground Water Quality areas for the reference year 2020. The state is underlain by diverse rock types of different geological ages from Pre-Cambrian to Recent. As much as 80% of the State is underlain by hard rock formations like Archaeans, Pre- Cambrians, Cuddapahs, Kurnools and Deccan traps. The remaining 20% is underlain by soft rocks including Gondwanas, Rajahmundry sandstone and Recent Alluvium.

The Ground water resources have been assessed watershed wise and are apportioned to mandals. The Total Annual Ground Water Recharge of the State has been estimated as 24.15 bcm and Annual Extractable Resource is 22.94 bcm. The current Annual Ground Water Extraction for all uses is 7.63 bcm and Stage of Ground Water Extraction is 33.26 %.

Out of 667 assessment units (mandals), 23 (3.45 %) units have been categorized, as 'Over-exploited', 15 units (2.25 %) as 'Critical', 40 units (6 %) as 'Semi-Critical', 551 units (82.61 %) as 'Safe' and 38 units (5.7 %) have been categorized as 'Saline'. Similarly out of 137393.11 sq km recharge worthy area of the State, 5560.45 sq km (4.05 %) area are under 'Over-Exploited', 2625.82 sq km (1.91 %) under 'Critical', 7179.98 sq km (5.23 %) under 'Semi-critical', 116145.2 sq km (84.53 %) under 'Safe' and 5881.65 sq km (4.28 %) area under 'Saline' categories of assessment units. Out of total 22943.54mcm annual extractable ground water resources of the State, 438.21 mcm (1.91 %) are under 'Over-exploited', 279.23 mcm (1.22 %) under 'Critical', 733.38 mcm (3.2 %) under 'Semi-critical' and 21492.71 mcm (93.68 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, the Total Annual Ground Water Recharge for the State has increased from 21.22 bcm to 24.15 bcm, which is attributed to government interventions, e.g. water conservation activities like Neeru-Chettu and emphasis on Micro Irrigation. The number of over-exploited mandals has also decreased from 45 to 23 due to the above reasons.

7.2 ARUNACHAL PRADESH

The state of Arunachal Pradesh is underlain by diverse rock types of different geological ages from Pre-Cambrian to Recent. Major part of the state is covered with consolidated crystalline rocks and meta-sediments of Precambrian and Palaeozoic age, while Tertiary sediments consisting of semi-consolidated argillaceous assemblage, represented by the Disang, Barail, Tipam, Siwalik and Dihing groups of rock, occupy periphery areas bordering Assam and behave as run-off and in select patches functions as infiltration zone. In consolidated formations, ground water potential appears to be limited. Semi-consolidated Tertiary formations are likely to give moderate or poor yield and expected to be controlled by aquifer geometry and structural features. Ground water in both

consolidated and semi-consolidated formations also manifests as springs and in all geological formations springs occur as both seasonal and perennial in nature.

Unconsolidated Quaternary sediments comprising the terrace deposits of Pleistocene (Bhabar zone) and also the terrace and alluvial fan deposits of Holocene age prevail in the fringe valley areas and as thin carpet in isolated structural valley sand with considerable thickness in open and wide valleys joining Brahmaputra Alluvial plains. The unconsolidated alluvial sediments in the valley areas act as good repositories for ground water development. Valleys adjoining Assam are most promising where good thickness of granular zones is distributed. Discharge of the deep tube wells, tapping mostly unconsolidated Quaternary sediments & at places Upper Tertiary formations, varies from 1.4m³/hr to 54m³/hr, while transmissivity ranges from 1 to 661m²/day. Storativity ranges from 0.35x10⁻³ to 6.65x10⁻³.

The ground water resource estimation of the state has been done district-wise. Ground water resources of five districts namely Upper Siang, Anjaw, Dibang Valley, Kurung Kumey and Tawang could not be estimated as they are hilly areas. The Annual Ground Water Recharge of the State has been estimated as 3.19 bcm and Annual Extractable Annual Ground Water Resources is 2.92 bcm. The Current Annual Ground Water Extraction is 0.011 bcm and Stage of Ground Water Extraction is 0.36 %. All the districts have been categorized as 'Safe' and there is no saline area in the State. As compared to 2017 assessment, the Total Annual Ground Water Recharge has marginally increased from 3.025 bcm to 3.19 bcm. There is no significant change in the current annual ground water extraction.

7.3 ASSAM

The State is underlain mainly by unconsolidated Quaternary formation in Brahmaputra valley and potential aquifers lie at shallow as well as deeper zone. The semi-consolidated Tertiary formations are found to occur in the southern part of Karbi Anglong, Cachar, Karimganj and Hailakandi districts and in Upper Assam covering southern fringe of Dibrugarh, Tinsukia, Sibsagar, Jorhat, Golaghat districts. The consolidated Precambrian rocks occur mainly in N.C. Hills, Karbi-Anglong, Kamrup, Goalpara, Dhubri, and Nagaon.

Ground water resources have been assessed district-wise due to paucity of block wise data. The Total Annual Groundwater Recharge of the State has been estimated as 27.05 bcm and Annual Extractable Groundwater Resources is 21.97 bcm. The Current Annual Ground Water Extraction for all uses is 2.58 bcm and Stage of Ground Water Extraction is 11.73 %. All the 28 assessment units have been categorized as 'Safe' and there is no saline area in the state.

As compared to 2017 assessment, the Total Annual Ground Water Recharge for the State has decreased from 28.67 bcm in 2017 to 27.05 bcm in 2020, Annual Extractable Ground Water Resources decreased from 24.26 bcm in 2017 to 21.97 bcm in 2020 and Total Ground Water Extraction decreased from 2.73 bcm in 2017 to 2.58 bcm in 2020. These changes can be attributed due to refinement of data. Stage of Ground Water Extraction increases from 11.25 % to 11.73 % due to decrease in annual extractable resource.

7.4 BIHAR

The State is covered with Gangetic alluvium in more than 89 % of its geographical area. The consolidated formations occupy fringes in the southern parts of the state. Dug wells and shallow tube wells tapping the phreatic zone are the common ground water abstraction structures. The assessment of dynamic ground water resources has been carried out in 534 blocks of the State. The Total Annual Ground Water Recharge has been worked out as 28.05 bcm with the Annual Extractable Ground Water Resources as 25.46 bcm. The Current Annual Ground Water Extraction for all uses has been estimated as 13.02 bcm and the Stage of Ground Water Extraction of the State is 51.14 %.

Out of the total 534 assessment units (blocks), 7 units (1.31 %) are 'Over-exploited', 5 units (0.94 %) are 'Critical', 51 units (9.55 %) are 'Semi-Critical', 471 units (88.2 %) units are 'Safe' category. There is no 'Saline' block in the State. Similarly out of 90348.70 sq km recharge worthy area of the State, 1086.47 sq km (1.2 %) area are under 'Over-Exploited', 613.97 sq km (0.68 %) under 'Critical', 7108.13 sq km (7.87 %) under 'Semi-critical', 81540.12 sq km (90.25 %) under 'Safe' categories of assessment units. Out of total 25455.91 mcm annual extractable ground water resources of the State, 306.51 mcm (1.2 %) are under 'Over-exploited', 171.72 mcm (0.67 %) under 'Critical', 2206.13 mcm (8.67 %) under 'Semi-critical' and 22771.55 mcm (89.45 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, the Total Annual Ground Water Recharge and Annual Extractable Ground Water Resources for the State have decreased from 31.41 to 28.05 bcm and 28.99 to 25.46 bcm respectively. The Annual Ground Water Extraction has decreased from 13.26 to 13.02 bcm. The changes in the parameters are due to reduction in rainfall recharge. Recharge from surface water bodies and applied surface water irrigation increased due to Jal Jeevan Hariyali Mission (By Govt. of Bihar) in which tanks & water bodies have been revived and renovated.

7.5 CHHATTISGARH

The State is underlain by diverse rock types of different geological ages from Pre-Cambrian to Recent. 87% area of the State is underlain by hard rock and the ground water in these areas is being tapped mostly by dug wells constructed in the weathered zone and bore wells tapping the deeper aquifers. The yield of open (dug) wells varies from 1 to 2 lps and the yield of the bore wells ranges from < 1 to 5 lps. About 13 % area of the State is occupied by Semi-consolidated sedimentary rocks where Dug wells & tube wells have yield range of 1 to 10 lps.

The assessment of ground water resources has been carried out block-wise. The Total Annual Ground Water Recharge of the State has been assessed as 12.65 bcm and Annual Extractable Ground Water Resource is 11.55 bcm. The Total Current Annual Ground Water Extraction is 5.35 bcm and Stage of Ground Water Extraction is 46.34 %.

Out of 146 assessment units (blocks), 9 units (6.16 %) as 'Critical', 27 units (18.49 %) have been categorized as 'Semi-critical' and 110 units (75.34 %) as 'Safe' categories of assessment units. There are no 'Over-exploited' and 'Saline' categories of assessment units. Out of 106078.71 sq km recharge worthy area of the State, 6297.20 sq km (5.94 %) area are under 'Critical', 16034.59 sq km (15.12 %) under 'Semi-critical', 83746.92 sq km (78.95 %) under 'Safe' categories of assessment units. Out of total 11547.65 mcm annual extractable ground water resources of the State, 947.66 mcm (8.21 %)

under 'Critical', 2232.5 mcm (19.33 %) under 'Semi-critical' and 8367.5 mcm (72.46 %) are under 'Safe' categories of assessment units.

In Chhattisgarh, the ground water development concentrates in the central part of the state (Chhattisgarh basin) more as compared to the other parts of the State. Therefore, most of the 'Semi-critical' and 'Critical' blocks are falling in the central part of the State. As compared to 2017 assessment, there is increase in the Total Annual Ground Water Recharge from 11.57 to 12.65 bcm, while there is an increase in ground water extraction from 4.70 to 5.35 bcm. Stage of ground water extraction has changed from 44.43 % to 46.34 %. Increase in Rainfall Recharge and return flow from ground water irrigation resulted in the increase of Annual Ground Water Recharge and increase in number of irrigation wells resulted in the increase of total extraction.

7.6 DELHI

The State is covered by diverse rock types of different geological ages from Pre-Cambrian to Recent. As much as 89% of the State is occupied by alluvium and ground water is being tapped mostly through tube wells. Yields of tube wells vary from 4 to 10 lps in older alluvial deposits and from 25 to 55 lps in newer alluvium. About 11 % of the State is occupied by quartzitic hard rock where bore wells have yield of 0.6 to 5 lps.

The ground water resources assessment has been carried out tehsil-wise. The Total Annual Ground Water Recharge of the State has been assessed as 0.32 bcm and Annual Extractable Ground Water Resources is 0.29 bcm. The Total Current Annual Ground Water Extraction is 0.29 bcm and Stage of Ground Water Extraction is 101.4 %.

Out of 34 assessment units (tehsils), 17 units (50 %) have been categorized as 'Over-exploited', 7 units (20.59 %) as 'Critical', 7 units (20.59 %) as 'Semi-critical', and 3 units (8.82 %) as 'Safe' categories of assessment units. Similarly out of 1487.61 sq km recharge worthy area of the State, 769.58 sq km (51.73 %) area are under 'Over-Exploited', 348.81 sq km (23.45 %) under 'Critical', 222.06 sq km (14.93 %) under 'Semi-critical', 147.16 sq km (9.89 %) under 'Safe' categories of assessment units. Out of total 286.31 mcm annual extractable ground water resources of the State, 129.01 mcm (45.06 %) are under 'Over-exploited', 72.36 mcm (25.27 %) under 'Critical', 52.5 mcm (18.34 %) under 'Semi-critical' and 32.44 mcm (11.33 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, the Total Annual Ground Water Recharge has almost remained same and Annual Extractable Ground Water Resources decreased marginally from 0.30 bcm to 0.29 bcm. There is a decrease in the Annual Ground Water Extraction for the state from 0.36 bcm to 0.29 bcm and the Stage of Ground Water Extraction has decreased from 119.61 % to 101 %. The State is over-exploited in terms of ground water extraction.

The decrease in the groundwater extraction can be attributed to refinement in database and reduction in number of extraction wells due to vigilant regulation by State agency and increased piped water supply by Delhi Jal Board in many areas of NCT Delhi which led to reduced dependency on ground water.

7.7 GOA

Major part of Goa State is covered by consolidated formations of Dharwar Super Group. Ground water occurs under unconfined to semi-confined conditions in beach sands, laterites and weathered and fractured crystalline rocks. The development of ground water from phreatic zone is mostly through dug wells and shallow bore wells. The Ground Water Resources has been assessed taluk-wise. Total Annual Ground Water Recharge has been assessed as 0.402 bcm and Annual Extractable Ground Water Resources as 0.322 bcm. The Annual Ground Water Extraction is 0.076 bcm and Stage of Ground Water Extraction is 23.48 %. All 12 taluks in the State have been categorized as 'Safe'.

As compared to 2017 assessment, the Total Annual Ground Water Recharge has increased due to increase in recharge from other sources. The Annual Ground Water Extraction have marginally increased. The Stage of Ground Water Extraction has decreased from 33.5 % to 23.48 %.

7.8 GUJARAT

The State is underlain by diverse rock types of different geological ages from Pre-Cambrian to Recent. As much as 60% of the State is underlain by hard rock and rest by soft rock/alluvium formations. In hard rock areas, the ground water is tapped mostly through dug wells constructed in the weathered zone. Dug cum bore wells and deep bore wells are common for irrigation. In alluvium/ soft rock areas, deep tube wells are common for both irrigation and domestic usage. The yield of open (dug) wells varies from 2 to 10 m³/day, whereas that of tube wells ranges from less than 10 to 100 m³/day. The assessment of groundwater resources has been carried out Taluka-wise. Total Annual Ground Water Recharge of the State has been assessed as 26.8 bcm and Annual Extractable Ground Water Resources as 24.86 bcm. The Annual Ground Water Extraction has been assessed as 13.3 bcm and Stage of Ground Water Extraction as 53.5 %.

Out of 248 assessment units (taluks), 25 units (10.08 %) have been categorized as 'Over- exploited', 4 units (1.61 %) as 'Critical', 24 units (9.68 %) as 'Semi-critical', 182 units (73.39 %) as 'Safe' and there are 13 units (5.24 %) as 'Saline' categories of assessment units. Similarly out of 158589.64 sq km recharge worthy area of the State, 20603.36 sq km (12.99 %) area are under 'Over-Exploited', 2603.39 sq km (1.64 %) under 'Critical', 14848.27 sq km (9.36 %) under 'Semi-critical', 111108.94 sq km (70.06 %) under 'Safe' and 9425.69 sq km (5.94 %) area under 'Saline' categories of assessment units. Out of total 24905.26 mcm annual extractable ground water resources of the State, 2051.83 mcm (8.24 %) are under 'Over-exploited', 493.4 mcm (1.98 %) under 'Critical', 2564.8 mcm (10.3 %) under 'Semi-critical' and 19795.23 mcm (79.48 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, Total Annual Ground Water Recharge has increased from 22.37 bcm to 26.8 bcm and Annual Extractable Ground Water Resource has increased from 21.25 to 24.91 bcm. The increase in recharge can be attributed to recharge from surface water irrigation through Narmada canal. The Annual Ground Water Extraction has decreased from 13.58 to 13.3 bcm. As compared to 2017 assessment, the Total Annual Ground Water Recharge and Annual Extractable Ground Water Resources have increased significantly and the Annual Ground Water Extraction marginally decreased. Hence, the Stage of Ground Water Extraction has decreased from 63.89 % to 53.39 %.

7.9 HARYANA

Haryana State is mainly occupied by the alluvial deposits, which cover around 98 % of the State while hardrock covers around 2 %. Alluvial deposits are of Older and Newer types and consist chiefly of clay, silt and fine to medium sand. Other deposits are piedmont deposits, which are confined to a narrow zone, about 2 to 4 km wide, between Siwalik Hills and Alluvial Plains. Sand-dunes are found in the districts of Bhiwani, Mahendragarh, Hissar and Sirsa. Coarse sand, gravels and boulders are found to occur in piedmont areas and in the adjacent alluvial tracts. The hard rock formations belong to the formation of Delhi systems of Pre- Cambrian age and occupy the southern part of the state, while Shivalik system of Tertiary age are occupying the northern most part of the state.

Total Annual Ground Water Recharge of the State has been assessed as 9.53 bcm and Annual Extractable Ground Water Resource is 8.63 bcm. The Total Current Annual Ground Water extraction is 11.61 bcm and Stage of Ground Water extraction is 134.56 %.

Out of total 141 assessment units (blocks), 85 units (60.28 %) have been categorized as 'Over-exploited', 12 units (8.51 %) as 'Critical', 14 units (9.93 %) as 'Semi Critical' and 30 units (21.28 %) as 'Safe' categories of assessment units. Similarly out of 40391.12 sq km recharge worthy area of the State, 25035.10 sq km (61.98 %) area are under 'Over-Exploited', 2593.95 sq km (6.42 %) under 'Critical', 5203.35 sq km (12.88 %) under 'Semi-critical', 7558.72 sq km (18.71 %) under 'Safe' categories of assessment units. Out of total 8629.78 mcm annual extractable ground water resources of the State, 5568.92 mcm (64.53 %) are under 'Over-exploited', 621.32 mcm (7.2 %) under 'Critical', 983.94 mcm (11.4 %) under 'Semi-critical' and 1455.59 mcm (16.87 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, the Total Annual Ground Water Recharge have decreased from 10.15 to 9.53 bcm in 2020, Annual Extractable Resources have decreased from 9.13 to 8.63 bcm and the Annual Ground Water Extraction from 12.5 to 11.61 bcm. The Stage of Ground Water Extraction has decreased from 137 % to 135 %. The reduction in draft is due to reduction in yield of wells.

7.10 HIMACHAL PRADESH

The diverse physiographic, climatic, topographic and geologic conditions have given rise to diversified groundwater situation in different parts of the state. The rock formations ranging in age from Archean to Recent occupy the State and control the occurrence and movement of ground water depending upon aquifer composition, structure and deposition. Hilly and mountainous parts with steep slopes mainly constitute the run off areas and have low ground water potential. In valley and low-lying areas, unconsolidated / semi-consolidated formations form potential aquifers.

In consolidated formations the water availability is restricted to weathered mantle, joints/fractures, weak planes, bedding planes and limestone caverns. The limestone associated with phyllite and quartzite forms potential aquifers. In granites, potentiality of the aquifer is highly dependable on the fracture intensity. In granitic aquifers the discharge ranges between 1-3 lps. Ground water in hard rock areas is either developed through bore wells or natural springs are tapped for both drinking and irrigation purposes.

In the unconsolidated formations the occurrence and movement of ground water is highly dependent on lithology particularly the presence of clay content. The unconsolidated formations are confined to valley areas, having good yield prospects that can sustain moderate to high capacity

deep tube wells. The yield of the tube wells depends on the thickness of the total granular zones available within the aquifers tapped which ranges from 5-40 lps in different valleys. The Ground water resources have been assessed valley-wise.

Total Annual Ground Water Recharge of the State has been assessed as 1.07 bcm and Annual Extractable Groundwater Resources is 0.97 bcm. The Current Annual Ground Water Extraction for all uses is 0.357 bcm and Stage of Ground Water Extraction is 36.83 %. Out of the 10 assessment units, all the ten assessment units have been categorized as 'Safe' and there is no saline assessment unit in the State.

As compared to 2017 assessment, there is significant change in the Total Annual Ground Water Recharge and Annual Extractable Ground Water resources. However, the Ground Water Extraction has decreased from 0.39 to 0.36 bcm in 2020. This is due to refinement in the number of abstraction structures as per well census data and revision in assessment unit boundaries as per slope map and hydrogeological conditions. Hence, Stage of extraction has changed significantly.

7.11 JHARKHAND

The State is underlain by diverse rock types of different geological ages ranging from Archaean to Recent. The major rock types are igneous and metamorphic rocks covering nearly 85 percent of the geographical area of the state. The weathered zone ranging between 10-25 m acts as a good repository of ground water. However, the secondary porosities below the weathered zones also form potential aquifers. The yield of the exploratory wells ranges from negligible to 151m³/hr. The yield of the dugwells ranges from 0.5 to 0.75m³/hr. The dug wells tapping the weathered mantle have an average yield of 0.5 to 1.2 m³/hr. In Gondwana Super group, bore well discharge ranges between 7 to 10m³/hr and in Tertiary formations, yield ranges from 18 to 78 m³/hr. The Younger Alluvium deposits are confined to patches. The depth of dug wells in general ranges between 10 to 15m bgl and that of shallow tube wells varies between 20 to 40mbgl.

Ground Water Resource of the State has been assessed block-wise. The Total Annual Ground Water Recharge of the State has been assessed as 6.15 bcm and Annual Extractable Ground Water Resources is 5.64 bcm. The Annual Ground Water Extraction is 1.64 bcm and Stage of Extraction is 29.13 %.

Out of 259 assessment units (blocks), 3 units (1.16 %) have been categorized as 'Over-exploited', 2 units (0.77 %) as 'Critical', 10 units (3.86 %) as 'Semi-critical' and rest 244 units (94.21 %) are under 'Safe' category and there is no saline assessment unit in the State. Similarly out of 60452.52 sq km recharge worthy area of the State, 425.21 sq km (0.7 %) area are under 'Over-Exploited', 316.92 sq km (0.52 %) under 'Critical', 2409.95 sq km (3.99 %) under 'Semi-critical' and 57300.44 sq km (94.79 %) under 'Safe' categories of assessment units. Out of total 5644.32 mcm annual extractable ground water resources of the State, 48.7 mcm (0.86 %) are under 'Over-exploited', 41.1 mcm (0.73 %) under 'Critical', 284.98 mcm (5.05 %) under 'Semi-critical' and 5269.54 mcm (93.36 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, Total Annual Ground Water Recharge and Annual Extractable Ground Water Resources have decreased from 6.21 to 6.15 bcm and 5.69 to 5.64 bcm respectively. The Annual Ground Water Extraction for the State has increased from 1.58 to 1.64 bcm and the

Stage of Ground Water Extraction has increased from 27.73 % to 29.13 %. The increase in stage of extraction is due to urbanisation and industrialization, while the changes in the parameters can be attributed to marginal decrease in recharge.

7.12 KARNATAKA

Karnataka State is underlain by rock types ranging in age from Archaean to Recent. Major portion of the State is covered by Peninsular Gneisses, Granites and Dharwar Schists of Archaean age. Substantial area in the northern part of Karnataka is underlain by basalts, which form a continuation of the Deccan Traps occurring in Maharashtra. The sedimentaries comprising Bhima and Kaladgis occupy a small area in the northern districts. The recent alluvium is restricted to a narrow belt in the coastal area and along streamcourses.

The aquifer systems are classified into nine major groups depending upon their characteristics and are Banded Gneissic Complex (BGC), Basalt, Schists, Granites, Charnockites, Limestones, Laterites, Sandstones and alluvium.

The Annual Ground Water Recharge has been assessed as 18.15 bcm and the Annual Extractable Ground Water resource is 16.4 bcm. The Current Annual Ground Water Extraction is 10.64 bcm and the Stage of Ground Water Extraction is 64.85 %.

Out of the 227 assessment units (taluks), 52 units (29.91 %) have been categorized as 'Over exploited', 10 units (4.41 %) as 'Critical', 35 units (15.42 %) as 'Semi critical' and 130 units (57.27 %) have been categorized as 'Safe'. There is no taluk under "Saline" category. Similarly out of 164340.79 sq km recharge worthy area of the State, 39262.92 sq km (23.89 %) area are under 'Over-Exploited', 8287.16 sq km (5.04 %) under 'Critical', 23867.47 sq km (14.52 %) under 'Semi-critical' and 92923.24 sq km (56.54 %) under 'Safe' categories of assessment units. Out of total 16395 mcm annual extractable ground water resources of the State, 3185.03 mcm (19.43 %) are under 'Over-exploited', 778.99 mcm (4.75 %) under 'Critical', 2313.09 mcm (14.11 %) under 'Semi-critical' and 10118.72 mcm (61.72 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, there is increase in Annual Ground Water Recharge from 16.84 bcm to 18.16 bcm, Annual Extractable Ground Water Resources from 14.79 bcm to 16.4 bcm. This is mainly due to increase in recharge from 'Other sources'. There is marginal increase in the Current Annual Ground Water Extraction for all uses from 10.34 to 10.63 bcm during this period. Hence overall, the Stage of Ground Water Extraction has decreased from 70 % to 64.85 %.

7.13 KERALA

The State of Kerala is underlain by diverse rock types of different geological ages from Pre-Cambrian to Recent. Nearly, 88% of the State is underlain by crystalline rocks of Archaean age comprising Schistose formations, Charnockites, Khondalites and Gneisses. All these formations are intruded by dykes of younger age. The sedimentary formations of Tertiary age occurring along the western parts of the State comprise four distinct beds viz. Alleppey, Vaikom, Quilon and Warkali. The crystalline and the Tertiary formations are lateritized along the midland area. Yields of open (dug) wells in these areas vary from 2 to 10 m³/day, whereas that of bore wells ranges from less than 1 to 35 lps. About 12% of the State is underlain by Semi-consolidated and unconsolidated sedimentary formations where dug wells and filter points have yields of 1 to 35 m³/day, whereas

deep tube wells have yields in the range of 1 to 57 lps. Laterites, which cover most of the geological formations in the major part of the state also forms an important aquifer in the state with dug wells having yields in the range of 0.5 to 6 m³/day.

The ground water resources for the state have been assessed block-wise. Total Annual Ground Water Recharge has been estimated as 5.65 bcm and Annual Extractable Ground Water Resource is 5.12 bcm. The Annual Ground Water Extraction is 2.65 bcm and Stage of Ground Water Extraction is 51.68 %.

Out of total 152 assessment units (blocks), 3 units (1.97 %) have been categorized as 'Critical', 29 units (19.08 %) as 'Semi-Critical' and 120 units (78.95 %) as 'Safe' categories of assessment units. There is no 'Over- exploited' and 'Saline' assessment unit in the State. Similarly out of 27047.54 sq km recharge worthy area of the State, 777.38 sq km (2.87 %) area are under 'Critical', 4325.19 sq km (15.99 %) under 'Semi-critical' and 21944.97 sq km (81.13 %) area are under 'Safe' categories of assessment units. Out of total 5119.58 mcm annual extractable ground water resources of the State, 136.45 mcm (2.67 %) are under 'Critical', 801.49 mcm (15.66 %) under 'Semi-critical' and 4181.63 mcm (81.68 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, Total Annual Ground Water Recharge of the State has decreased from 5.77 to 5.65 bcm and Annual Extractable Ground Water Resources from 5.21 to 5.12 bcm. The Annual Ground Water Extraction has decreased from 2.67 to 2.65 bcm and the Stage of Ground Water Extraction has increased from 51.27 % to 51.68 %. The change in precipitation, consequent water level fluctuation and deeper water levels are reasons for marginal reduction in the recharge figures. The number of Semi-critical blocks has decreased from 30 to 29. Chittur block has improved from 'Over-Exploited' to 'Critical' Category due to additional recharge from rainfall and other sources (water conservation structures). Two Semi- critical blocks i.e Parakkadavu and Elamdesom has improved to 'Safe' Category mainly due to increase from water conservation structures.

7.14 MADHYA PRADESH

The State of Madhya Pradesh has varied hydrogeological characteristics due to which ground water potential differs from place to place. The State is underlain by various Geological formations ranging in age from the Archaean to the Recent. Hard rock areas cover more than 80% of total land area of the State. These hard-rock areas show wide variations and complexities in nature and composition of rocks, geological structures, geomorphological set up and hydro meteorological conditions. The crystalline rocks of Archaean age like granite, gneiss, granulites, schist, quartzite and granitoids occupy about 15% of geographical area of the State. The basaltic rocks of Deccan lava flows are the predominant formations and occupy nearly 45% of total geographical area. The consolidated sedimentary rocks of Vindhyan Super Group and Mahakoshal (Cuddapah) Super Group of Proterozoic age occupy about 19% of total geographical area and the semi consolidated (Gondwana Formation) occupies about 7%. Recent unconsolidated alluvial sediments occupy about 14% of total geographical area.

Total Annual Ground Water Recharge of the State has been assessed as 36.16 bcm and Annual Extractable Ground Water Resources is 33.38 bcm. The Annual Ground Water Extraction is 18.97 bcm and Stage of Ground Water Extraction is 56.82 %.

Out of 317 assessment units (blocks), 26 units (8.21 %) has been categorized as 'Over Exploited', 8 units (2.52 %) as 'Critical', 50 units (15.77 %) as 'Semi-Critical' and 233 units (73.5 %) as 'Safe' categories of assessment units and there are no saline assessment unit. Similarly out of 272180.45 sq km recharge worthy area of the State, 22194.29 sq km (8.15 %) area are under 'Over-Exploited', 6078.98 sq km (2.23 %) under 'Critical', 42776.12 sq km (15.72 %) under 'Semi-critical' and 201131.06 sq km (73.90 %) under 'Safe' categories of assessment units. Out of total 33380.40 mcm annual extractable ground water resources of the State, 3349.83 mcm (10.04 %) are under 'Over-exploited', 754.83 mcm (2.26 %) under 'Critical', 5021.66 mcm (15.04 %) under 'Semi-critical' and 24254.07 mcm (72.66 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, there is a marginal decrease in the recharge and increase in the ground water extraction. The revision of well census data and population can be attributed to the increase in ground water extraction, while the changes in the parameters can be attributed to marginal decrease in recharge.

7.15 MAHARASTRA

The State is underlain by diverse rock types of different geological ages from Pre-Cambrian to Recent. The state is mostly covered by Deccan Traps. The other geological formations, older and younger than Deccan Traps, occur in the northeast and as isolated patches in the Sindhudurg and Ratnagiri districts. Large part of the State is underlain by Basaltic hard rocks where dug wells are predominant. They mostly tap the weathered zone and fractures/joints. The yield of dug wells varies from 3 to 5 lps. A small part of the State is occupied by Semi- consolidated sedimentary rocks where tubewells have an yield of 5 to 45 lps. The central part of Maharashtra which is a drought prone area, receives very less rainfall i.e. from 400 to 700 mm, but the geology is favourable for the ground water recharge. Hence, in this area the dependency on groundwater is very high. Two-third of irrigation wells are from this area only. This primarily includes parts from Dhule, Nashik, Jalgaon, Ahmednagar, Pune, Satara, Sangli, Solapur, Osmanabad, Beed and Aurangabad districts.

The Ground water resources have been assessed for 1535 watersheds in the state and subsequently apportioned to taluk level. Total Annual Ground water Recharge of the State has been estimated as 32.01 bcm and Annual Extractable Ground Water Resources is 30.25 bcm. The Annual Ground Water Extraction is 16.63 bcm and Stage of Ground Water Extraction is 54.9 %.

Out of 353 assessment units (taluks), 10 units (2.83 %) have been categorized as 'Over-exploited', 8 units (2.27 %) as 'Critical', 63 units (17.85 %) as 'Semi-critical' and remaining 271 units (76.77 %) as 'Safe' and 1 unit (0.28 %) as 'Saline' categories of assessment units. Similarly out of 259553.28 sq km recharge worthy area of the State, 7672.81 sq km (2.96 %) area are under 'Over-Exploited', 8219.37 sq km (3.17 %) under 'Critical', 61590.57 sq km (23.73 %) under 'Semi-critical', 181293.63 sq km (69.85 %) under 'Safe' and 776.89 sq km (0.03 %) area under 'Saline' categories of assessment units. Out of total 30250.45 mcm annual extractable ground water resources of the State, 889.25 mcm (2.94 %) are under 'Over-exploited', 950.09 mcm (3.14 %) under 'Critical', 6741 mcm (22.28 %) under 'Semi-critical' and 21670.11 mcm (71.64 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, the Annual Ground Water Recharge in 2020 has increased from 31.64 to 32.01 bcm, Annual Extractable Ground Water Recharge from 29.9 to 30.25 bcm and Annual Ground Water Extraction from 16.33 to 16.63 bcm. There is a marginal increase in the Stage of Ground Water Extraction from 54.62 % to 54.9 %. The marginal increase in recharge due to the State

government intervention of water conservation activities and the marginal increase in draft/extraction is due to revision of well census data on the basis of functional wells.

7.16 MANIPUR

The State of Manipur is occupied by mostly North South parallel hill ranges made up of consolidated and semi-consolidated rocks ranging in age from pre-Mesozoic to Miocene. The consolidated rocks confined to the eastern part of the state along the Myanmar border. The semi-consolidated formations, which cover almost the entire state, comprise shale, siltstone, sandstone and conglomerate. These formations belong to Disang, Barail, Surma and Tipam group of rocks. In the western and central part of the State, unconsolidated alluvium of quaternary age occurs in the valleys and topographical lows. Ground water is restricted to secondary porosity in joints, fissures, fractures and weathered residuum of consolidated and semi-consolidated rocks and inter-granular pore spaces of alluvial deposits. In the valley, ground water is utilized through tube wells, tapping granular zones with 10 to 20 m thickness, and the yield of the tube well varies from 10 to 30 m³/hr.

The Ground water resources for the state have been assessed district-wise due to paucity of block wise data. Total Annual Ground Water Recharge of the State has been assessed as 0.51 bcm and Annual Extractable Ground Water Resources as 0.46 bcm. The Annual Ground Water Extraction is 0.024 bcm and Stage of Ground Water extraction is 5.12 %. All the districts have been categorized as 'Safe' and there is no saline area in the state. The comparison with previous assessment shows there is increase in the total ground water recharge from 0.43 bcm in 2017 to 0.51 bcm in 2020 while annual extractable resource has increased from 0.39 bcm in 2017 to 0.46 bcm in 2020. This increase can be attributed to refinement of data. Increase in ground water extraction from 0.006 bcm in 2017 to 0.024 bcm in 2020 is due to estimation of domestic extraction using Consumptive method.

7.17 MEGHALAYA

The Meghalaya State is essentially occupied by hard rocks belonging to the Archean gneissic complex with acidic and basic intrusives and Precambrian Shillong Group of para metamorphites. Ground water occurs under unconfined condition in the weathered residuum and fractured rocks and restricted to about 150 m depth. The development of ground water is mostly by dug wells which are restricted to the weathered zone and through bore wells including hand pumps which mainly tap the semi-weathered and fractured zones in the hard rock. The south-western, southern and south-eastern parts of the state is covered by semi- consolidated formations comprising sandstones, shales, conglomerates, limestones etc. belonging to Cretaceous – Tertiary age. The aquifers are formed by rock strata that are granular/porous, fissured/fractured or cavernous. These aquifers are thick and discontinuous in nature. The unconsolidated sediments comprising sand, gravel, silt, clay, etc. are found to occur as thin veneer along rivulets and as valley-fills.

The Ground water resources have been assessed district-wise due to paucity of block wise/watershed wise data. Ground water resources of Greater Shillong (State capital) have been assessed separately. Total Annual Ground Water Recharge of the State has been assessed as 2.04 bcm and Annual Extractable Ground Water Resources as 1.82 bcm. The Annual Ground Water Extraction is 0.077 bcm and Stage of Ground Water Extraction is 4.22 %. All the 12 assessment units have been categorized as 'Safe'.

As compared to 2017 assessment, the Annual Ground Water Recharge and Annual Extractable Ground Water Resources have increased from 1.83 to 2.04 bcm and 1.64 to 1.8195 bcm respectively. The reasons can be attributed to changes in rainfall. The Annual Ground Water Extraction has also increased from 0.04 to 0.077 bcm due to refinement in data. Stage of ground water extraction has consequently increased from 2.28 % to 4.22 %.

7.18 MIZORAM

The State is occupied mainly by the rocks of the Tertiary formation ranging in age from Oligocene to Miocene to Recent. The Barail form the lowermost rock units comprising siltstone and bands of soft and hard fine grained sandstone with strings of carbonaceous material and occur in the north eastern part of the state. The Surma is divided into two formations, Bhuban and Bokabil. The Bhuban is made up of grey sandstone and shale and occupies the major part of the State all along the length of the state. The Bokabil, predominantly argillaceous, mostly occurs along the western part of the State. The Tipam sandstone is of semi- consolidated nature comprising medium to coarse grained sandstone with subordinate shale and occurs in limited extent in the north western part of the state. The alluvial deposits comprising silt, clay and sands occur in the valley fill area with very limited thickness. Ground water is confined only to valley filled areas and secondary porosities of semi-consolidated rocks. These aquifers are the main source for springs. Ground water stored in the hill slopes emanates in the form of springs, which are being used as a source for water supply. In the valley area, the yield potential of tube wells within the depth range of 200 m tapping Tertiary sandstone ranges from 120 to 330 liters per minute for drawdown of 13 to 20m. The transmissivity and Storativity are to the tune of 11 to 46 m²/day and 4.28×10^{-4} respectively.

The ground water resources for the state have been assessed block-wise. Total Annual Ground Water Recharge has been assessed as 0.222 bcm and Annual Extractable Ground Water Resource is 0.200 bcm. The Annual Ground Water Extraction is 0.008 bcm and Stage of Ground Water Extraction is 3.81 %. All the 26 assessed blocks have been categorized as 'Safe'. There are no saline areas in the state. As compared to 2017 assessment, there is no change in annual ground water recharge, ground water extraction or in stage of ground water extraction.

7.19 NAGALAND

The State is covered by rocks ranging in age from Pre-Cretaceous to Recent. The rock sequences comprise the geosynclinal facies, represented by Disang Group, Barail Group, Surma Group, Tipam Group, Namsang formation and Dihing Group. While the Disang and Surma Group of rocks are mainly argillaceous, the Barail and Tipam groups are arenaceous. The Girujan clay formation overlying the Tipam sandstones is characterized by typical blue, mottled clay and argillaceous sandstone beds. Older rocks occupy southern parts of the State, where as younger rocks are exposed in the northern parts. The unconsolidated alluvial plains, comprising clay, sand pebble, cobble and boulder assemblages, occupy the narrow, intermountain and open valleys in the northern part of the state bordering upper reaches of Brahmaputra flood plains of Assam. The consolidated formations are confined to the south eastern part of the State along the Burma (Myanmar) border.

Ground water development potentiality in valley fill and alluvial deposits are restricted to construction of open wells having depth of 15 to 20 metres and deep tube well down to 100 m

depth which yield to the tune of 10 to 45 m³/day with more than 5 m drawdown. Water bearing formations pertaining to Tertiary deposits are found to have moderate potentials which can sustain deep tube wells having yield prospects varying from 10 to 20 m³/hr. The valleys underlain by Tipam sandstones form good aquifers with yield prospects varying from 30 to 80 m³/hr. In the consolidated formations, ground water abstraction structures can be constructed in structurally weak zones. Ground water emerges as perennial springs which are the main source of water supply for domestic needs in the state.

The ground water resources for the state have been assessed district-wise due to paucity of block-wise data. Total Annual Ground Water Recharge of the State has been assessed as 2.17 bcm and Annual Extractable Ground Water Resource as 1.95 bcm. The Annual Ground Water Extraction is 0.021 bcm and Stage of Ground Water Extraction is 1.04 %. All the 11 districts have been categorized as 'Safe'. There is no saline area in the state. As compared to 2017 assessment, the Total Annual Ground Water Recharge of the State has marginally decreased from 2.20 bcm to 2.17 bcm and similarly, the Annual Extractable Ground Water Resource has decreased from 1.98 bcm to 1.95 bcm and there is no significant change in annual ground water extraction.

7.20 ODISHA

The State is underlain by diverse rock types, which range in age from Precambrian to Cenozoic era. The Precambrians occupy nearly 80 % of the total geographical area of the State. The Tertiary and the Quaternary Alluvial formations are restricted mainly to the narrow coastal tracts. The Gondwana group of rocks belonging to Paleozoic and Mesozoic era occurs in isolated patches in different parts of the State. These formations occur in Talcher area of Angul district and in river valley area of Sambalpur and Sundargarh districts. Ground water abstraction in the state is mostly done by dug wells constructed in the weathered zone in hard rock areas and in shallow phreatic aquifers in alluvial areas. The yield of open (dug) wells varies from 1 to 5 lps. However, at present, bore wells, shallow to medium deep tube wells, filter point tube wells are also in use for ground water abstraction both for domestic and irrigational purpose. The yield of bore wells varies from 2 to 5 lps in general depending on the occurrence of saturated fractures at depths. The yield from shallow and medium deep tube wells may vary from 6 to 10 lps in general depending on the aquifer disposition.

The Ground water resources in the state have been assessed block-wise. Total Annual Ground Water Recharge of the State has been assessed as 17.08 bcm and Annual Extractable Ground Water Resource as 15.7 bcm. The Annual Ground Water Extraction is 6.86 bcm and Stage of Ground Water Extraction is 43.7 %.

Out of the total of 314 assessment units (blocks), 6 units (1.91 %) have been categorized as 'Semi-critical', 302 units (96.18 %) as 'Safe' and 6 units (1.91 %) as 'Saline' categories of assessment units. Similarly out of 121593.15 sq km recharge worthy area of the State, 2263.09 sq km (1.86 %) area are under 'Semi-critical', 117148.73 sq km (96.34 %) under 'Safe' and 2181.33 sq km (1.79 %) area under 'Saline' categories of assessment units. Out of total 15712.93 mcm annual extractable ground water resources of the State, 369.93 mcm (2.35 %) are under 'Semi-critical' and 15343.01 mcm (97.65 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, there is an increase in Annual Ground Water Recharge and Annual Extractable Ground Water Resources; also there is an increase in Annual Ground Water Extraction. The stage of ground water extraction has increased to 43.7 % in 2020 as compared to 42.18 % in 2017.

7.21 PUNJAB

Punjab is one of the smallest states of India having 3 perennial rivers namely Sutlej, Beas and Ravi and one non- perennial river Ghaggar. The Punjab State is a flat alluvial plain having a thin belt of mountains along north eastern border and stable sand dunes are seen dotting the landscape in the south western parts. The alluvial deposits in the State comprise sand, silt and clays often mixed with kankar. Sandy zones of varying grade constitute abundant ground water resources & act as a reservoir. The alluvial plain towards the hills is bordered by the piedmont deposits comprising Kandi and Sirowal. Immediately south-west of the hills, Kandi belt is 10 to 15 km wide followed by Sirowal which imperceptibly merges with the alluvial plain. Kandi deposit explored up to 450 m depth show gradation from boulders to clays and at places an admixture of various grades in different proportions. The Sirowal deposit is essentially composed of finer sediments but occasional gravel beds are also encountered in them.

The ground water resources for the state have been assessed block-wise. Total Annual Ground Water Recharge of the State has been assessed as 22.80 bcm and Annual Extractable Ground Water Resource as 20.59 bcm. The Annual Ground Water Extraction is 33.85 bcm and Stage of Ground Water Extraction is 164.42 %.

Out of the 150 assessment units (blocks), 117 units (78 %) have been categorized as 'Over-exploited', 6 units (4 %) as 'Critical', 10 units (6.67 %) as 'Semi-Critical', and 17 units (11.33 %) as 'Safe'. Similarly out of 49264.76 sq km recharge worthy area of the State, 38418.08 sq km (77.98 %) area are under 'Over-Exploited', 1906.17 sq km (3.87 %) under 'Critical', 2392.74 sq km (4.86 %) under 'Semi-critical', 6547.77 sq km (13.29 %) under 'Safe' categories of assessment units. Out of total 20590.1 mcm annual extractable ground water resources of the State, 16263.23 mcm (78.99 %) are under 'Over-exploited', 980.13 mcm (4.76 %) under 'Critical', 827.95 mcm (4.02 %) under 'Semi-critical' and 2518.79 mcm (12.23 %) are under 'Safe' categories of assessment units.

As compared to 2017 estimates, the Annual Ground Water Recharge has decreased from 23.93 to 22.80 bcm and similarly, Annual Extractable Ground Water Resource decreased from 21.58 to 20.59 bcm and total current annual ground water extraction decreased from 35.78 to 33.85 bcm. The stage of ground water extraction has decreased from 165.77 to 164.42 %. The reduction in recharge is due to less rainfall, lining of unlined canals and decreased extraction is due to decrease in area of paddy cultivation from 29.3 lakh hectares to 26.3 lakh hectares.

7.22 RAJASTHAN

The State of Rajasthan has diversified geology, ranging from Archean metamorphic to recent alluvial sediments. Based upon geological diversities, geomorphological setup and ground water potentialities, the state of Rajasthan can be divided into three broad hydrogeological units. (i) Unconsolidated formation (ii) Semi-consolidated formation (iii) Consolidated (Fissured formation). Large part of the State is underlain by Quaternary sediments (Thar Desert) consisting of clay, silt, sand and gravel of various grades. The fine sand and clay with or without Kankar layers have formed

multi layered aquifer system. Exploratory drilling data reveals that the yield vary from meagre to $10\text{m}^3/\text{day}$, transmissivity ranges between 80 to $300\text{m}^2/\text{day}$ and storage co-efficient vary from 1.1×10^{-5} to 3.9×10^{-6} in the state. Sandstone belonging to the Vindhyan formation is compact in nature and has low primary porosity. Ground Water occurs within the weathered residue and in the secondary porosity underneath. In general, the thickness varies from 5 to 10 m. Yield potential is limited due to compact nature of the formation. The limestone is also having low ground water potential. The yields of dug wells vary from 0.25 to $0.75\text{m}^3/\text{day}$. The yield of the wells drilled in Vindhyan formation has been observed to be $15\text{m}^3/\text{day}$, tapping fractures between 50-75 mbgl. In consolidated formation (Fissured) the thickness of the weathered zone varies from 5 to 50 m. Ground Water occurs under unconfined condition within the weathered zone. The results of the exploratory drilling carried out by CGWB in hardrock are as indicate presence of productive fractures down to a depth of 100 m and yield varies from 3 to $15\text{m}^3/\text{day}$, whereas transmissivity varies from 3 to $30\text{m}^2/\text{day}$.

The Ground water resources for the state have been assessed block-wise. Total Annual Ground water Recharge of the State has been assessed as 12.24 bcm and Annual Extractable Ground Water Resource as 11.07 bcm. The Annual Ground Water Extraction is 16.63 bcm and the Stage of ground water extraction in the state is 150.2 %.

Out of the 295 assessment units (blocks), 203 units (68.81 %) have been categorized as 'Over Exploited', 23 units (7.8 %) as 'Critical', 29 units (9.83 %) as 'Semi-Critical', 37 units (12.54 %) blocks as 'Safe' and 3 units (1.02 %) as 'Saline'. Similarly out of 290721.07 sq km recharge worthy area of the State, 188661.64 sq km (64.89 %) area are under 'Over-Exploited', 18905.87 sq km (6.5 %) under 'Critical', 27405.92 sq km (9.43 %) under 'Semi-critical', 46811.75 sq km (16.1 %) under 'Safe' and 8935.89 sq km (3.07 %) area under 'Saline' categories of assessment units. Out of total 11073.63 mcm annual extractable ground water resources of the State, 7780.42 mcm (70.26 %) are under 'Over-exploited', 706.85 mcm (6.38 %) under 'Critical', 1441.41 mcm (13.02 %) under 'Semi-critical' and 1144.95 mcm (10.34 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, the Annual Ground Water Recharge and Annual Extractable Ground Water Resource have decreased from 13.2 to 12.24 bcm and 11.99 to 11.07 bcm respectively. Annual ground water extraction has decreased from 16.77 bcm to 16.63 bcm. And the stage of ground water extraction has increased from 139.88 % to 150.2 %. The change in Annual Ground Water recharge is because of change in rainfall data for recharge. The marginal change in annual ground water extraction is due to revision of well census data and change in irrigated land area.

7.23 SIKKIM

Sikkim is a small mountainous State characterized by rugged undulating topography with series of ridges and valleys. The various rock types prevalent in the state are Pelitic Carbonate rocks and Gondwanas over a gneissic basement and occasional Colluvials and valley fill deposits, as well as alluvial terrains along higher order streams and river courses. The formations reveal an intense tectonic-structurally complex deformational history. Ground water occurs largely in disconnected localized pockets and in deeper fractures zones. Springs are the main source and conduits of water.

The ground water resource assessment (in 2020) for the State of Sikkim has been carried out as per GEC 2015 guidelines through 'IN-GRES', with Districts as primary assessment units. The Total Annual Ground Water Recharge has been estimated at 0.96 bcm and the Annual Extractable Ground Water Resource has been estimated at 0.86 bcm. The Current Annual Ground Water Extraction for all uses has been estimated at 0.007 bcm, which translates into a Stage of Ground Water Extraction at 0.86 %, and as per the present assessment all the four assessment units (Four Districts – East, North, South & West) are in 'SAFE' category.

As compared to 2017 assessment, Annual Extractable Ground Water Resource reduced from 1.52 bcm to 0.8645 bcm. The Annual Ground Water Extraction from all sources though marginally increased from 0.000874 bcm to 0.007431 bcm. As a result, the Stage of Ground Water Extraction marginally increased from 0.057 % to 0.86 %.

Decrease in annual rainfall resulted in minor decrease in recharge, which is reflected in marginal decrease in Annual Extractable Resource. The marginal increase in Annual Ground Water Extraction is attributed to the growth of industries in the districts, utilizing ground water for industrial use, resulting in marginal increase in the Stage of Ground Water Extraction.

7.24 TAMIL NADU

Tamil Nadu state is underlain by diverse hydrogeological formations. Nearly 73 % of the state is occupied by hard rocks, semi-consolidated and consolidated formations which are mainly confined to the eastern part including the coastal tract. In the hard rock areas, groundwater is developed through dug wells tapping the weathered zone and dug cum bore wells and bore wells tap the deeper fractures down to a depth of 300 m. In semi consolidated and unconsolidated formation, shallow zones are tapped by filter points and shallow tube wells and deeper zones through deeper tube wells. The yield of open wells vary from 1 to 3 lps, where as in dug wells tapping soft rocks including sedimentary formations, the yield is up to 10 lps. The yield from unconsolidated and semi consolidated formations are in general 10 to 20 lps and also as high as 40 lps are also noticed at select places.

The ground water resources for the State have been assessed firka-wise. Total Annual Ground Water Recharge of the State has been assessed as 19.59 bcm and Annual Extractable Ground Water resources as 17.7 bcm. The Annual Ground Water Extraction is 14.67 bcm and Stage of Ground Water Extraction as 82.9 %.

Out of 1166 assessment units (firkas), 435 units (37.31 %) have been categorized as 'Over Exploited', 63 units (5.4 %) as 'Critical', 225 units (19.3 %) as 'Semi-Critical', 409 units (35.08 %) as 'Safe' and 34 units (2.92 %) have been categorized as 'Saline'. Similarly out of 108367.38 sq km recharge worthy area of the State, 39907.51 sq km (36.83 %) area are under 'Over-Exploited', 6075.97 sq km (5.61 %) under 'Critical', 21409.28 sq km (19.76 %) under 'Semi-critical', 37852.37 sq km (34.93 %) under 'Safe' and 3122.25 sq km (2.88 %) area under 'Saline' categories of assessment units. Out of total 17690.07 mcm annual extractable ground water resources of the State, 5744.07 mcm (32.47 %) are under 'Over-exploited', 1050.93 mcm (5.94 %) under 'Critical', 3921.48 mcm (22.17 %) under 'Semi-critical' and 6973.59 mcm (39.42 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, Total Annual Ground Water Recharge has decreased from 20.22 to 19.59 bcm. The Annual Extractable Ground Water Resources has decreased from 18.2 to 17.7 bcm and the annual ground water extraction has decreased from 14.73 to 14.67 bcm. Consequently,

there is an increase in the stage of ground water extraction from 80.94 % to 82.42 %. The marginal reduction in recharge is due to changes in rainfall recharge and decreased extraction is due to revision of well census data.

7.25 TELENGANA

The State of Telangana shares its boundaries with Andhra Pradesh, Chattisgarh, Maharashtra and Karnataka. The state has 2 major rivers, the Godavari and the Krishna. The River Godavari with its tributaries Pranahita, Manjeera, Maneru, Indravati, and Kinnerasani drains through the northern parts of the State. The river flows through Adilabad, Karimnagar, Nizamabad, Medak, Warangal and Khammam districts. The River Krishna with its tributaries Tungabhadra, Bheema, Musi, Paleru and Munneru flows through the Southern parts of the State. It drains through Mahabubnagar, Ranga Reddy and Nalgonda districts.

Telangana state is characterized by wide range of geological formations from Archaean to Recent age. Nearly 85% of the state is underlain by hard rocks (consolidated formations) belonging to the Peninsular Gneissic Complex, Dharwar and Eastern Ghats of Archaean to Middle Proterozoic age, Pakhal Group of rocks belonging to Middle to Upper Proterozoic age and Deccan Traps. In hardrocks average well yields are around 50 to 125 lpm. The rest of the state is underlain by semi consolidated sediments formations encompassing Gondwanas, Tertiary group of formations and Sub-Recent to Recent unconsolidated sediments. In Kamthi sandstones, the tube-wells constructed down to 250mbgl and yield varies from 13 to 162m³/hour. Within the 200m depth range yield varies from 1.5 to 16.6lps for draw-down of 9 to 30m. Transmissivity of these aquifers varies between 28 and 950m²/day. The unconsolidated formations are represented by inland river alluvium. The alluvial aquifers have high porosity and permeability. Filter points are most common in this formation. Filter points drilled down to a depth of 10 to 15m bgl yield between 150 to 1500lpm.

The Ground water resources for the state have been assessed watershed-wise and apportioned to mandal-wise. Total Annual Groundwater recharge of the State has been assessed as 16.63 bcm and Annual extractable Ground Water resource as 15.03 bcm. The Annual Ground Water Extraction is 8.01 bcm and Stage of Ground Water Extraction is 53.32 %.

Out of 589 assessment units (mandals), 44 units (7.47 %) have been categorized as 'Over Exploited', 44 units (7.47 %) as 'Critical', 180 units (30.56 %) as 'Semi-Critical' and 321 units (54.5 %) as 'Safe'. There is no 'Saline' category of assessment unit in the state. Similarly out of 105171.69 sq km recharge worthy area of the State, 4062.07 sq km (3.86 %) area are under 'Over-Exploited', 6339.21 sq km (6.03 %) under 'Critical', 31428.83 sq km (29.88 %) under 'Semi-critical', 63341.58 sq km (60.23 %) under 'Safe' categories of assessment units. Out of total 15026.12 mcm annual extractable ground water resources of the State, 460.60 mcm (3.07 %) are under 'Over-exploited', 700.20 mcm (4.66 %) under 'Critical', 3461.87 mcm (23.04 %) under 'Semi-critical' and 10403.46 mcm (69.24 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, Total Annual Ground Water Recharge of the State has increased from 13.62 to 16.63 bcm. This is mainly due increase in recharge from 'Other sources'. The Annual Extractable Ground Water Resources has increased from 12.37 to 15.03 bcm. The Current Annual Groundwater Extraction for all uses has marginally decreased from 8.09 to 8.01 bcm. The overall Stage of Ground Water Extraction decreased from 65.45 to 53.32 %. This can be attributed to

government interventions like water conservation activities under Mission Kakatiya, improvement in surface water irrigation and drinking water supply under Mission Bhagiratha etc.

7.26 TRIPURA

The State of Tripura is occupied by the rocks ranging in age from Upper Tertiary to Quaternary. Mobile trough geosynclinal deposition of Barail group followed by flysch type of Surma & Tipam sediments, overlain by Dupitila formation, is noticed in the State. Most of the longitudinal synclinal valleys of the state are the basins of deposition of recent formation. Recent alluvium occurs along the streams and the flood plains of major rivers.

Ground water occurs under unconfined condition in Dupitila, Recent & Tipam formations. Besides, it also occurs under confined to semi-confined conditions in Tipam formation at considerable depth. Recharge areas for the deeper aquifer lies in the adjacent anticlinal hills. Wherever a good thickness of impermeable clay beds underlie & overlie the saturated granular zones, auto flow artesian conditions have been found in the valleys, which are the discharge area. The artesian flowing conditions occur in patches both at shallow depth and at deeper depth. The auto discharge of the flowing wells in the State ranges from 100 to 6000 lph, the maximum auto discharge from deep tube well to the extent of 54000 lph has been found in Khowai valley near Khowai town, where the piezometric head rose up to 7 m above ground level.

Ground water resources have been assessed block-wise. Total Annual Ground Water Recharge of the State has been assessed as 1.47 bcm and Annual Extractable Ground Water Resource as 1.24 bcm. The Annual Ground Water Extraction is 0.099 bcm and Stage of Ground Water Extraction is 7.94 %. All the 59 assessment units have been categorized as 'Safe'. As compared to 2017 assessment, there is no significant change in ground water recharge and ground water extraction in the State.

7.27 UTTAR PRADESH

The State of Uttar Pradesh is categorized with five distinct hydrogeological units – Bhabar, Terai, Central Ganga Plains, Marginal Alluvial Plain, Southern Peninsular area. Bhabar is mainly the recharge zone having deeper water levels. Ground water extraction in phreatic aquifer is through hand pumps, dug wells, dug cum bore wells and shallow tube wells. The yield from these wells has been generally found to be in the range of 40 to 60 lps. Terai zone lies between Bhabar in the North and Central Ganga Plain in the South. It is characterized by fine grained sediments with occasional pebbles and boulders. The average yield of tube wells constructed in this zone varies from 30 to 60 lps with moderate drawdown. Central Ganga Plain constitutes the most promising ground water repository characterized by multi-layered aquifer systems. The yield of the open wells and hand pumps constructed in the phreatic aquifer vary from 5 to 10 lps. The tube wells in the phreatic aquifer yield between 20 to 28 lps at 6 to 8 m drawdown. Marginal alluvial plain consists of kankar mixed clay-silt beds intercalated with sand and gravel lenses. The aquifer in this area is capable of yielding 15 to 40 lps at moderate drawdown. Southern part mainly occupied by Hard rocks comprising of Granite/ Granitic Gneiss and Marginal Alluvium in Bundelkhand Region and Vindyan Sedimentary formations in Mirzapur and Sonbhadra Districts. The wells tapping these formations generally recorded yield between 2 to 8 lps. The Ground water resources have been assessed block-wise.

Total Annual Ground Water Recharge of the state has been assessed as 72.19 bcm and Annual Extractable Ground Water Resource as 66.88 bcm. The Annual Ground Water Extraction is 46.03 bcm and Stage of Ground Water Extraction is 68.83 %.

Out of the 830 assessment units consisting 820 blocks and 10 cities, 66 units (7.95 %) have been categorized as 'Over- exploited', 49 units (5.9 %) as 'Critical', 174 units (20.96 %) as 'Semi-critical' and 541 units (65.18 %) as 'Safe'. Similarly out of 229657.75 sq km recharge worthy area of the State, 15707.61 sq km (6.84 %) area are under 'Over-Exploited', 13117.04 sq km (5.71 %) under 'Critical', 52007.48 sq km (22.65 %) under 'Semi-critical', 148825.61 sq km (64.8 %) under 'Safe' categories of assessment units. Out of total 66882.45 mcm annual extractable ground water resources of the State, 4304.1 mcm (6.44 %) are under 'Over-exploited', 3822.59 mcm (5.72 %) under 'Critical', 12755.08 mcm (19.07 %) under 'Semi-critical' and 46000.68 mcm (68.78 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, ground water extraction figure increased minutely. The stage of ground water extraction has also marginally decreased from 70.18 % to 68.83%. Increasing recharge values can be attributed to increase in rainfall during 2019 throughout the states.

7.28 UTTARAKHAND

Uttarakhand State has a distinct geological attribute with wide variety of rock units ranging in age from Archean to Quaternary. About 85 % of the geographical area of the state is mountainous and underlain by hard rocks. Ground water in the hard rock area is harnessed through the springs and hand pump tapping the weathered zone. Discharge of springs in the Lesser Himalaya and Central Himalaya is variable and ranges from 60 to 600 lpm. About 15 % of the geographical area is underlain by semi-consolidated and unconsolidated formations known as Tarai and Bhabhar. Ground water in this area is developed by open wells, shallow and deep tubewells.

The ground water resources of Uttarakhand State have been assessed block-wise. Total Annual Ground Water Recharge of the State has been assessed as 2.02 bcm. The Annual Extractable Ground Water Resources is 1.85 bcm. The Annual Ground Water Extraction is 0.87 bcm. The Stage of Ground Water Extraction is 46.8 %.

Out of the 18 assessment units, 4 units (22.22 %) lie under 'Semi-Critical' category and 14 units (77.78 %) under 'Safe' category. There are no 'Over-exploited', 'Critical' and 'Saline' units in the state. Similarly out of 4993.04 sq km recharge worthy area of the State, 950.94 sq km (19.05 %) area are under 'Semi-critical', 4042.1 sq km (80.95 %) under 'Safe' categories of assessment units. Out of total 1852.9 mcm annual extractable ground water resources of the State, 346.26 mcm (18.69 %) are under 'Semi-critical' and 1506.64 mcm (81.31 %) are under 'Safe' categories of assessment units.

As compared to 2017 assessment, there is decrease in the Total Annual Ground Water Recharge from 3.04 bcm (2017) to 2.02 bcm (2020). Similarly there is decrease in Annual Extractable Ground Water Resources from 2.89 bcm (2017) to 1.85 bcm (2020). The Annual Ground Water Extraction has decreased from 1.64 bcm (2017) to 0.87 bcm (2020). The Stage of Ground Water extraction has decreased from 56.83 % to 46.80 %. The decrease in Annual Ground Water Extraction can be attributed to refinement in well census database (reduction in number of dug wells and hand pumps currently in use) and re-evaluation of estimated drafts of the abstraction structures in a block-wise

manner after consultation with the State Govt. departments. There has been improvement in stage of groundwater extraction in all the assessment units.

7.29 WEST BENGAL

Nearly two third area of the state is occupied by unconsolidated sediments; the western part of the state is partly occupied by the hard rocks. The phreatic aquifer is generally developed through dug well, dug cum bore well and shallow tube well. The yield of these wells varies from 1 to 5 lps.

The Ground Water Resource Assessment could not be completed and State Level Committee has not approved the GW Resource Assessment 2020. Hence, Central Level Expert Group recommended that the results of previous assessment in respect of West Bengal may be used in place of GWRA-2020 for national compilation on Dynamic Ground Water Resources of India, 2020. As per assessment, Total Annual Ground Water Recharge had been assessed as 29.33 bcm, Annual Extractable Ground Water Resources is 26.56 bcm and Annual Ground Water Extraction is 11.84 bcm. The Stage of Ground Water Extraction is 44.60 %.

Out of the 268 assessment units (blocks), 1 unit (0.37 %) has been categorized as 'Critical', 76 units (28.36 %) as 'Semi-critical', 191 units (71.27 %) as 'Safe'. Similarly out of 69046.96 sq km recharge worthy area of the State, 190.03 sq km (0.28 %) area are under 'Critical', 16823.33 sq km (24.37 %) under 'Semi-critical', 52033.6 sq km (75.36 %) under 'Safe' categories of assessment units. Out of total 26558.47 mcm annual extractable ground water resources of the State, 68.5 mcm (0.26 %) are under 'Critical', 6991.06 mcm (26.32 %) under 'Semi-critical' and 19498.91 mcm (73.42 %) are under 'Safe' categories of assessment units.

7.30 ANDAMAN AND NICOBAR ISLANDS

The Andaman & Nicobar Islands comprise an arc-shaped chain of islands in the Bay of Bengal and are characterized by rugged topography, steep slope, low infiltration capacity and close proximity of hills to the sea. Marine sedimentary group of rocks comprising shale, sandstone, grit and conglomerate; extrusive and intrusive igneous rocks (volcanics and ultramafics) and coralline atolls and limestone occupy the entire geographical area. Amongst these, the Sedimentary Group is most pervasive and occupy nearly 70% of the entire area of the islands while the igneous group covers nearly 15% while the rest of 15% goes to the coralline and limestone formations. All these rock formations have been subjected to many tectonic activities, evident from the occurrence of shallow and deep focus earthquakes in the islands.

Because of tectonic activity, the Igneous and Sedimentary group of rocks are highly fractured and fissured. These fracturing in hard rock form conduits for movement of ground water in the deeper horizon. The geology of the islands is highly varied within a small distance. Marine sedimentary rocks are developed only through dug wells having meager yield of 0.1 to 0.5 lps. The igneous Ophiolite suite of rocks in the area although restricted in occurrence, are observed to yield moderate to high both in shallow and deeper locales and they are developed by dug wells and bore wells with yield ranging from 1 to 10 lps. The island area which is covered by Coralline Limestone contains appreciable quantity of groundwater with yield ranging from 5 to 25 lps.

The Ground Water Resources (in 2020), following GEC 2015 guidelines, have been assessed island-wise. Total Annual Ground Water Recharge of the A&N Islands have been assessed as 0.3166 bcm

and Annual Extractable Ground Water Recharge is assessed as 0.2859 bcm. The Annual Ground Water extraction is 0.0074 bcm which translates to a Stage of Ground Water Extraction of 2.5 %.

Out of 36 assessment units (Islands), 35 are 'Safe' and one is 'Saline'. There is no significant change with respect to 2017 assessment.

7.31 CHANDIGARH

Chandigarh is underlain by the Quaternary alluvial deposits and comprises layers of fine sand and clay. Coarser sediments occur along the Sukhna Choe and Patialiki Rao, whereas relatively finer sediments underlie the area between these two streams. Fair to good aquifer horizons occur in most part of Chandigarh comprising medium to coarse sand, to a depth of 180 m bgl below which they become finer. Ground water in the area occurs under confined as well as semi-confined conditions. In Manimajra, ground water occurs under unconfined conditions down to about 80 m. In other areas, the semi-confined conditions prevail below 20 to 30 m. The depth of the shallow aquifer system is less than 30 m bgl, where as the depth of the deeper aquifer system ranges from 40 to 450 m bgl of explored depth. The transmissivity values for the deeper aquifer system ranges between 74 and 590 m^2/day . The transmissivity values of shallow aquifers up to 100 m depth ranges from 70 to 466 m^2/day . Ground water is found to be fresh and suitable for drinking as well as irrigation purposes.

UT of Chandigarh has very small area and whole UT has been taken as an assessment unit. Total Annual Ground Water Recharge has been assessed as 0.063 bcm and Annual Extractable Ground Water Resources as 0.057 bcm. The UT of Chandigarh has been categorized as 'Semi Critical' with stage of ground water extraction at 80.60 %. In comparison to 2017 assessment, Total annual recharge has increased from 0.042 to 0.063 bcm. The current ground water extraction increases from 0.03 to 0.046 bcm. The groundwater extraction in Chandigarh is completely governed by Government and only Government extracts groundwater for public water supply.

7.32 DAMAN & DIU AND DADRA & NAGAR HAVELI

Daman & Diu

The entire island area of Diu is about 40 sq. km and is underlain by Alluvium and Milliolite soft rock formation. The Daman has about 72 sq km area out of which 30 % is covered by alluvium and the rest is underlain by Basalt rocks. In UT of Daman & Diu, dug well as well as dug cum bore wells are common for irrigation and domestic use. The yields of open dug wells varies from less than 1 to 5 m^3/day , where as that of Dug cum Bore wells ranges from less than 2 to 10 m^3/day .

The ground water resources have been assessed district-wise. The total Annual Ground Water Recharge has been assessed as 0.029 bcm and Annual Extractable Ground water Resources as 0.028 bcm. The total current Annual Ground Water Extraction has been assessed as 0.031 bcm and Stage of Ground Water Extraction as 113.38 %. Out of 2 assessment units, Diu has been categorized as 'Safe' and Daman as 'Over Exploited'. As compared to 2017 assessment, there is substantial increase in total annual ground water extraction from 0.0097 bcm to 0.031 bcm, whereas the ground water recharge has marginally increased from 0.016 bcm in 2017 to 0.029 bcm in 2020. Consequently, the stage of groundwater extraction has increased from 61.4% to 113.38 %.

Dadra & Nagar Haveli

The entire area of UT of Dadra and Nagar Haveli is underlain by hard rock terrain (Deccan basalts). The thickness of vesicular units, ranges from 2 to 8 m. Ground water is developed by means of dug wells and dug cum bore wells. The sustainable yield of dug wells for 3 to 4 hours of pumping is 30 m³/day. The transmissivity of shallow aquifer ranges from 5.5 to 305 m²/day.

The entire D & NH has been considered as a single assessment unit. Total Annual Ground Water Recharge of the UT of DNH has been assessed as 0.072 bcm and Annual Extractable Ground Water Resources as 0.067 bcm. The Current Annual Ground Water Extraction for all uses is 0.031 bcm and Stage of Ground Water Extraction is 45.99 %. The entire UT of D&NH has been categorized as 'Safe'.

As compared to 2017 estimate, there is a negligible change in total annual ground water recharge from 0.07 to 0.072 bcm. However, there is a significant change in ground water extraction component due to the estimation of industrial draft for the first time due to which the current annual ground water extraction from all uses has increased from 0.02 bcm to 0.031 bcm. This change in draft has resulted in increase in stage of extraction from 31.34 % to 45.99 %.

7.33 JAMMU & KASHMIR

Jammu & Kashmir Union Territory comprises of two regions viz-Jammu, Kashmir with 10 districts each, representing different ground water regimes. In Jammu Region the ground water occurs in the outer plains extending between Munawar Tawi in the north-west to River Ravi in the south-east. The ground water occurs in piedmont deposits belonging to upper Pleistocene to Recent age, comprising unconsolidated sediments in the form of terraces and coalescent alluvial fans developed by the streams debauching out of Siwalik Hills. There are a number of isolated valleys in middle Himalayas where ground water occurs in valley fill deposits under un-confined conditions.

Kashmir valley covers an area of 5600 sq km and is occupied by Karewas that consist of a huge pile of alternating bands of sand, silt and clay interspersed by glacial boulder beds. The sands are mostly fine to very fine grained and there is considerable lateral facies variation in the nature of sediments with an aggregate thickness of 2500-3000 m. Ground water in the Karewas of Kashmir valley occurs under both confined as well as unconfined conditions.

The Ground water resources of the J&K UT have been assessed for valley areas and outer plains in 20 districts. The total recharge of ground water involves several components and the rainfall being the major one. The other components are seepage from canal and return flow from surface water and ground water irrigation. Total Annual Groundwater Recharge of the State has been estimated as 4.68 bcm and Annual Extractable Ground Water Resources is 4.22 bcm. The Total Current Annual Ground Water Extraction is 0.89 bcm and the Stage of Ground Water Extraction is 21.03 %. All the assessment units have been categorized as 'Safe'.

As compared to the 2017 assessment, the Total Annual Groundwater Recharge and Annual Extractable Ground Water Resources have increased from 2.78 bcm to 4.68 bcm and 2.50 bcm to 4.22 respectively. The Annual Ground Water Extraction has also increased from 0.74 bcm to 0.89 bcm. The Stage of Ground Water Extraction has decreased from 30.80 % to 21.03 %. The increase in Annual Ground Water Recharge is due to the additional recharge from canal seepage, return flow from irrigated fields, tanks and ponds, lakes and other surface water bodies.

7.34 LADAKH

Ladakh Union Territory comprises of two districts viz-Leh and Kargil. The Topography of the region is extremely rugged, mountainous and highly inaccessible. The altitude of the area varies from 3000-8000 m amsl. In Leh district, the Indus and Shyok are the main valleys and the Leh plain, More plain, Hanle Plain, Depsang plain and soda plain are some important plains. Leh plain is underlain by morainic deposits consisting of boulders, cobbles, pebbles embedded in an arenaceous matrix and the lake deposits comprising predominantly of clays, sandy- Clays and silt. The sediments are overlain by varved clays and silts of lacustrine origin again succeeded by morainic boulders and cobbles in disintegrated loose sandy matrix and alluvial deposits. Ground water in the valleys occurs in porous formations. This includes moraines and fluvio-glacial deposits of Ladakh. The major assessment areas are Leh, Nubra and Chusul valleys.

Kargil District comprises of the Suru, Zaskar, Drass Shamker Chikar, Waknaand Laws valley's. The major assessment areas are Zaskar and Suru Valleys. Ground water occurs mainly in the porous formations of morainic deposits comprising of Talus and Scree formations.

The Ground Water Resources of the Ladakh UT have been assessed for valley areas in 2 districts. The total recharge of ground water involves several components like rainfall but snowfall being the major one. The other components are seepage from canal, koohl and return flow from surface water and ground water irrigation. Total Annual Ground Water Recharge of the UT has been estimated as 0.12 bcm and Annual Extractable Ground Water Resources is 0.11 bcm. The Total Current Annual Ground Water Extraction is 0.02 bcm. The Stage of Ground Water extraction in Ladakh is 17.9 %. All the assessment units have been categorized as 'Safe'.

As compared to the 2017 assessment, the Total Annual Ground Water Recharge and Annual Extractable Ground Water Resources have increased from 0.11 bcm to 0.12 bcm and 0.10 bcm to 0.11 bcm respectively. The Annual Ground Water Extraction is increased from 0.018 bcm to 0.019 bcm. The Stage of Ground Water Extraction has increased from 16.22 % to 17.9 %. The increase in ground water recharge is due to the addition of the canal seepage, return flow form irrigated fields, tanks and ponds, lakes and other surface water bodies.

7.35 LAKSHADWEEP

Lakshadweep islands are composed of calcareous sand and materials derived from coral atolls. Alternate layers of loose sand, moderately cemented calc-arenites and well cemented, hard and compact limestone underlie the islands. In these islands, fresh ground water occurs under phreatic conditions as lens floating over the saline water and is in hydraulic continuity with sea water. Water levels in wells are strongly influenced by tides. Dug wells are the common ground water abstraction structures in the islands. The major draft component of these islands is for the domestic consumption. Irrigation draft is negligible in the islands as almost all the crops are rainfed.

Dynamic ground water resources have been assessed for individual islands. The total Annual Ground Water Recharge in the islands has been estimated as 0.01 bcm and Annual Extractable Ground Water Resources works out as 0.005 bcm. The total current Annual Ground Water Extraction has been assessed as 0.003 bcm and the Stage of Ground Water Extraction as 58.47 %. Out of the 9 islands, 2 have been categorized as 'Semi-Critical' and 7 as 'Safe'. As compared to 2017 assessment, one island shows remarkable improvement in the categorization from semi-critical to critical.

7.36 PUDUCHERRY

The UT of Puducherry is underlain by the semi-consolidated and unconsolidated sedimentary formations which mainly sustain dug wells, shallow and deep tube wells. The yield of the wells generally varies between 3 to 15 lps. High yielding wells in the range of 10 to 40 lps exists in the Tertiary sandstones.

The Dynamic ground water resources for UT of Puducherry have been assessed Region wise i.e Karaikal, Mahe, Puducherry & Yanam. The Annual Ground Water Recharge of the UT of Puducherry has been assessed as 0.22 bcm, Annual Extractable Ground Water Resources is 0.2 bcm and the Annual Ground Water Extraction is 0.15 bcm. The overall Stage of Ground Water Extraction of UT of Puducherry is 75 %. Out of 4 regions, 1 region (Puducherry) has been categorized as 'Critical', 2 Regions (Karaikal & Mahe) as 'Safe' and 1 Region (Yanam) as 'Saline'. As compared to 2017 assessment, there is no significant change in Annual Ground Water Recharge & Ground Water Extraction. Only Puducherry Region improved from 'Over- exploited' category to 'Critical' Category. Refinement in database and groundwater augmentation measures taken up by the Government of U.T of Puducherry under various schemes are the reasons for bringing in the increase in recharge and decrease in ground water extraction & stage of groundwater extraction. However, there is no significant change in overall ground water resources of U.T. of Puducherry.

CHAPTER 8

8.0 CONCLUSIONS

Total Annual Ground Water Recharge in the country (2020) has been assessed as 436 billion cubic meters (bcm). Ground water resources are replenished through rainfall and other sources like return flow from irrigation, canal seepage, recharge from water bodies, water conservation structures etc. The main source of annual ground water recharge is rainfall, which contributes nearly 64 % of the Total Annual Ground Water Recharge. The Total Annual Extractable Ground Water Resource of the country has been assessed as 398 bcm, after keeping a provision for natural discharge. The Annual Ground Water Extraction of the country (2020) is 245 bcm, the largest user being irrigation sector. The Stage of ground water extraction for the entire country, which is the percentage of ground water extraction with respect to Annual Extractable Ground Water Recharge, has been computed as 62 %. The extraction pattern of ground water is not uniform across the country, resulting in ground water stressed conditions in some parts of the country while in some other areas; ground water extraction has been sub-optimal. Out of the total 6965 assessment units (Blocks/ Districts/ Mandals/ Talukas/Firkas) in the country, 1114 units (16 %) have been categorized as 'Over-Exploited', 270 units (4 %) have been categorized as 'Critical', 1057 units (15 %) have been categorized as 'Semi-Critical' and 4427 units (64 %) have been categorized as 'Safe'. Apart from this, there are 97 assessment units (1 %), which have been categorized as 'Saline' as major part of the ground water in phreatic aquifers is brackish or saline. Similarly out of 24.33 lakh sq km recharge worthy area of the country, 4.09 lakh sq km (17 %) are under 'Over-Exploited', 0.86 lakh sq km (4 %) are under 'Critical', 3.4 lakh sq km (14 %) are under 'Semi-Critical', 15.67 lakh sq km (64 %) are under 'Safe' and 0.3 lakh sq km (1 %) are under 'Saline' category assessment units. Out of 397.62 bcm of Total Annual Extractable Resources of the country, 50.54 bcm (13 %) are under 'Over-Exploited', 12.71 bcm (3 %) are under 'Critical', 54.11 bcm (14 %) are under 'Semi-Critical', 280.26 bcm (70 %) are under 'Safe' category assessment units.

Over-exploitation of ground water resources could be due to various region-specific reasons. Assessment units located in the north-western part of the country (particularly in the states of Punjab, Haryana, Delhi and Uttar Pradesh) have plenty of replenishable ground water resources but because of the over extraction beyond the annual ground water recharge, many of these units have become Over-exploited. Over-exploited units are also common in the western part of the country, particularly in Rajasthan and Gujarat where the prevailing arid climate results in low recharge of ground water and hence stress on these source. In peninsular India, over-exploited units are wide spread in the states of Karnataka, Tamil Nadu and parts of Andhra Pradesh and Telangana which could be attributed mainly to the low storage and transmission capacities of aquifers of the hard rock terrains, which results in reduced availability of the resource.

The total Annual Ground Water Recharge for the entire country, as in 2020 has increased by 4 bcm as compared to the last assessment (2017). The total Annual Extractable GW Resources has also increased by 5 bcm. The Annual Ground Water Extraction for irrigation, domestic and Industrial uses has also decreased by 4 bcm during this period. These variations are attributed mainly to refinement of parameters, refinement in well census data and changing ground water regime.

It is also pertinent to add that as it is advisable to restrict the ground water extraction as far as possible to annual replenishable resources, the categorization also reflects the relation between the annual replenishment and ground water extraction. An area with low groundwater potential may not be considered for ground water extraction and may remain safe and an area with good ground water potential may be heavily used for ground water extraction and may become over exploited over a period of time. Thus, water augmentation efforts can be successful in such areas, where the groundwater potential is high and there is scope for augmentation.

GEC-2015 methodology has been developed for prevalent Indian conditions, on the basis of terrain characteristics and data availability. INDIA-GROUNDWATER RESOURCE ESTIMATION SYSTEM (IN-GRES) is a Software/Web-based Application developed by CGWB in collaboration with IIT-Hyderabad for assessment of ground water resources using GEC 2015 Methodology. Constraints in data availability have been overcome through realistic assumptions based on experience in many States. A conscious effort is required on the parts of the State/ Central agencies to acquire the requisite realistic data to map the changing groundwater scenario in the country.

An analysis of assessment results leads us to the following inferences as the way forward in the assessment of Ground water resources.

8.1 WATER BALANCE STUDIES

Ground water is one of the several components of the Hydrologic Cycle, other important components being rainfall, surface water, soil moisture and evapotranspiration. Holistic water resources management interventions require proper understanding of the interactions between the different components of the hydrosphere. Studies for determining the Base flow and lateral flow components in the Water Balance equation need to be taken up to bring more accuracy to the Ground water Resources Assessment. Initially, the number of such studies can be taken up in areas representing different hydrogeological set up of India (Southern hard rock terrain, Deccan Basaltic terrain, Indo-Gangetic and Brahmaputra alluvial plains, Coastal alluvium, Desert terrain and Himalayan terrain etc.)

8.2 AQUIFER CHARACTERIZATION AND PARAMETER ESTIMATION

One of the key elements that determine the accuracy of ground water resources assessment is the realistic estimation of the recharge and discharge parameters. It is recommended that more experimental studies be taken up for refining the norms of RIF, return flow from irrigation based on soil types and agro-climatic zone, recharge from water conservation and water bodies and more field studies for evaluation of specific yield values as well as its variation with depth.

8.3 CASE STUDIES LINKING ASSESSMENT WITH MANAGEMENT

It is recommended to take up case studies in various assessment units wherein quantitative evaluation of the ground water management interventions and consequent changes in the assessment results could be analysed. Such studies would help bring out the efficacy of various management interventions on the ground water regime.

8.4 TEMPORAL AVAILABILITY OF GROUND WATER RESOURCES

Even though the GEC 2015 methodology advocates season-wise resource assessment, the estimation of recharge during monsoon and non-monsoon seasons may not be sufficient. Temporal variations in groundwater availability, particularly in hard rock terrain are not reflected in present practices. Hence, the assessment of temporal availability of ground water resources on the basis of available water columns can be attempted by considering the water levels measured frequently using Digital Water Level Recorders (DWLRs).

8.5 CREATION OF DATABASE FOR GROUND WATER RESOURCES ASSESSMENT AND ITS REGULAR UPDATING

GEC 2015 has devised the data structure of all the data elements (like water level, rainfall etc) and norms (like Specific Yield, Rainfall Infiltration Factor etc.) with its name, type of data and its precision. The templates (excel sheets) for data collection/compilation for assessment through INGRES using GEC 2015 has also been devised. However, major challenges are lack of dedicated manpower as well as presence of State GW/Nodal Departments (in majority of States) at District level for understanding/analysis of data/information to be collected/compiled from different State Departments (like Agriculture, Irrigation, Water Supply, Industries, Water Conservation etc.). Of particular importance in this regard are data/information related to recharge from water bodies, water conservation/harvesting structures, return flow from applied irrigation and details of ground water extraction structures in use for irrigation, domestic and industrial purpose. These need to be collected/compiled and regularly updated at district/block level so that more realistic assessment of ground water resources could be accomplished.

8.6 AQUIFER-WISE ASSESSMENT WITHIN THE PRESENT ADMINISTRATIVE UNITS (ASSESSMENT UNITS) IN AREAS OTHER THAN HARD ROCK TERRAIN

Areas occupied by unconsolidated sediments (alluvial deposits, aeolian deposits, coastal deposits etc.) usually have flat topography and assessment of ground water resources has been carried out taking administrative units (block/mandal/taluk etc.) as assessment units to facilitate the local administration in planning the ground water management programmes (both supply and demand side). However, if more than one hydrogeological/aquifer units (with distinctive characteristics, sustainability and ground water extraction patterns) exist within these administrative units, then the assessment units could be further divided into smaller units based on hydrogeological/aquifer characteristics. This will lead to more accurate assessment (aquifer wise) of resources and micro-level/area-specific interventions/management measures could be implemented.

8.7 GROUND WATER ASSESSMENT OF DEEPER AQUIFER SYSTEMS IN INDO-GANGETIC, BRAHMAPUTRA AND COASTAL ALLUVIAL TERRAIN

The dynamic ground water resources mainly comprises ground water resources available within the zone of water table fluctuation which are being regularly replenished every year through rainfall and other sources of recharge. This assessment has been carried out and categorization done based on utilization with respect to annual availability of dynamic ground water resources. However, in Indo-Gangetic, Brahmaputra and Coastal Alluvial areas multiple aquifer systems exist (on a regional scale) with sustainable and high yield characteristics. For assessment of deeper aquifers, more studies on

individual aquifer potential/sustainable yield along with facilities for monitoring of piezometric heads (by establishing piezometers tapping different aquifer zones) have to be carried out. The resources of deeper aquifer systems could be considered for extraction during exigencies as well as for drinking water purpose for nearby regions.

8.8 AQUIFER-STREAM INTERACTIONS

Additional studies on aquifer-stream interactions are required to understand the contribution of ground water to streams and the requirement of environmental flows for sustainability of water resources and surrounding ecosystem.

8.9 GROUND WATER MODELLING AND PREDICTIVE SIMULATION

Besides the assessment of the dynamic ground water resources using norms prescribed in GEC 2015 methodology through automation, the concept of Ground water modelling must be included where predictive simulation can also be done. This would give an idea of the future availability of Ground water resources with respect to the changing climate and extraction patterns.

ANNEXURE - I**State-wise Ground Water Resources Availability, Utilization and
Stage of Extraction
(as in 2020)**

Dynamic Ground Water Resources Assessment of India - 2020

STATE-WISE GROUND WATER RESOURCES OF INDIA, 2020																	(in bcm)	
S. No.	States / Union Territories	Ground Water Recharge						Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)		
		Monsoon Season		Non-monsoon Season		Total Annual Recharge	Irrigation			Domestic	Total							
		Recharge from rainfall	Recharge from other sources	4	5		6					7	8				9	10
1	Andhra Pradesh	8.93	8.54	0.85	5.83	24.15	1.21	22.94	6.60	0.15	0.88	7.63	1.31	15.91	15	33.26		
2	Arunachal Pradesh	2.01	0.002	1.11	0.002	3.19	0.27	2.92	0.003	0.0002	0.01	0.01	0.01	2.90	2.90	0.36		
3	Assam	17.92	0.96	7.64	0.53	27.05	5.09	21.97	1.97	0.01	0.60	2.58	0.66	19.33	19.33	11.73		
4	Bihar	21.02	3.32	1.29	2.42	28.05	2.60	25.46	10.33	0.65	2.04	13.02	2.29	12.23	12.23	51.14		
5	Chhattisgarh	8.33	1.38	1.11	1.84	12.65	1.11	11.55	4.53	0.10	0.71	5.35	0.84	6.25	6.25	46.34		
6	Delhi	0.05	0.13	0.004	0.13	0.32	0.08	0.29	0.07	0.04	0.18	0.29	0.19	0.02	0.02	101.40		
7	Goa	0.34	0.02	0.003	0.04	0.40	0.34	0.08	0.02	0.04	0.05	0.08	0.05	0.24	0.24	23.48		
8	Gujarat	19.59	2.89	0.00	4.32	26.81	1.90	24.91	12.65	0.03	0.62	13.30	0.78	12.52	12.52	53.39		
9	Haryana	3.24	2.90	0.58	2.90	9.53	0.90	8.63	10.47	0.53	0.62	11.61	0.57	0.97	0.97	134.56		
10	Himachal Pradesh	0.66	0.13	0.13	0.14	0.13	1.07	0.10	0.97	0.10	0.36	0.10	0.62	0.62	0.62	36.83		
11	Jharkhand	4.91	0.43	0.47	0.35	6.15	0.51	5.64	0.93	0.20	0.51	1.64	0.52	4.02	4.02	29.13		
12	Karnataka	7.47	4.68	2.23	3.77	18.16	1.76	16.40	9.60	0.00	1.03	10.63	1.16	7.08	7.08	64.85		
13	Kerala	4.20	0.13	0.46	0.86	5.65	0.53	5.12	1.16	0.01	1.47	2.65	2.25	2.13	2.13	51.68		
14	Madhya Pradesh	27.75	1.60	0.12	6.69	36.16	2.78	33.38	17.33	0.03	1.61	18.97	1.84	15.25	15.25	56.82		
15	Maharashtra	20.66	2.38	0.53	8.45	32.01	1.76	30.25	15.29	0.003	1.34	16.63	1.34	14.20	14.20	54.99		
16	Manipur	0.40	0.001	0.11	0.002	0.51	0.05	0.46	0.003	0.0002	0.02	0.02	0.02	0.44	0.44	5.12		
17	Meghalaya	1.66	0.01	0.36	0.01	2.04	0.22	1.82	0.03	0.0003	0.05	0.08	0.06	1.73	1.73	4.22		
18	Mizoram	0.19	0.00	0.03	0.00	0.22	0.02	0.20	0.00	0.00	0.01	0.01	0.01	0.19	0.19	3.81		
19	Nagaland	1.08	0.76	0.27	1.06	2.17	0.22	1.95	0.002	0.00003	0.02	0.02	0.02	1.93	1.93	1.04		
20	Odisha	10.26	2.71	1.51	2.60	17.08	1.37	15.71	5.50	0.15	1.21	6.86	1.46	8.74	8.74	43.65		
21	Punjab	5.01	10.42	0.95	6.41	22.80	2.20	20.59	32.80	0.00	1.05	33.85	1.08	1.61	1.61	164.42		
22	Rajasthan	8.80	0.58	0.29	2.57	12.24	1.17	11.07	14.37	0.13	2.14	16.63	2.17	0.99	0.99	150.22		
23	Sikkim	0.96	0.00	0.00	0.00	0.96	0.10	0.86	0.00	0.002	0.01	0.01	0.01	0.85	0.85	0.86		
24	Tamil Nadu	6.83	9.04	1.26	2.45	19.59	1.90	17.69	13.52	0.17	0.99	14.67	1.52	5.65	5.65	82.93		
25	Telangana	7.50	3.29	1.10	4.75	16.63	1.60	15.03	7.13	0.14	0.73	8.01	0.74	7.14	7.14	53.32		
26	Tripura	0.85	0.06	0.34	0.22	1.47	0.22	1.24	0.02	0.0002	0.08	0.10	0.09	1.14	1.14	7.94		
27	Uttar Pradesh	37.75	13.16	1.30	19.99	72.20	5.32	66.88	41.29	0.00	4.74	46.03	5.38	21.53	21.53	68.83		
28	Uttarakhand	1.29	0.31	0.10	0.32	2.02	0.17	1.85	0.63	0.09	0.15	0.87	0.16	0.98	0.98	46.80		
29	West Bengal*	18.71	1.51	5.26	3.85	29.33	2.77	26.56	10.84	0.27	0.73	11.84	1.53	14.19	14.19	44.60		
30	Andaman and Nicobar	0.32	0.0002	0.00	0.0001	0.32	0.03	0.28	0.0001	0.001	0.01	0.01	0.01	0.28	0.28	2.60		
31	Chandigarh	0.01	0.02	0.005	0.03	0.06	0.01	0.06	0.01	0.002	0.03	0.05	0.03	0.01	0.01	80.60		
32	Dadra & Nagar Haveli	0.04	0.01	0.003	0.02	0.07	0.005	0.07	0.01	0.01	0.02	0.03	0.02	0.03	0.03	45.99		
33	Daman & Diu	0.03	0.0005	0.00	0.001	0.03	0.001	0.03	0.003	0.03	0.00	0.03	0.02	0.0002	0.0002	113.38		
34	Jammu and Kashmir	0.80	2.04	0.95	0.88	4.68	0.46	4.22	0.20	0.13	0.56	0.89	0.57	3.32	3.32	21.03		
35	Ladakh	0.01	0.05	0.02	0.04	0.12	0.01	0.11	0.001	0.0002	0.02	0.02	0.02	0.09	0.09	17.90		
36	Lakshadweep	0.011	0.00	0.002	0.00	0.01	0.01	0.005	0.00	0.00	0.003	0.003	0.005	0.002	0.002	58.47		
37	Puducherry	0.06	0.10	0.01	0.05	0.22	0.02	0.20	0.10	0.01	0.05	0.15	0.05	0.05	0.05	74.27		
Grand Total		249.65	73.54	30.41	82.54	436.15	38.51	397.62	217.61	2.94	24.37	244.92	28.90	184.56	184.56	61.60		
NOTE:- Data on Ground Water Extraction for Industries is not available for Karnataka, Punjab & Uttar Pradesh and is available only for 2 districts of Maharashtra.																		
NOTE:- The Ground Water resources assessment as on 2013 has been considered for the state of West Bengal																		

*NOTE- The Ground Water resources assessment as on 2013 has been considered for the state of West Bengal.

*NOTE- The Ground Water Extraction for Industries is not available for Karnataka, Punjab & Uttar Pradesh and is available only for 2 districts of Maharashtra.

ANNEXURE - II**District-wise Ground Water Resources Availability, Utilization and
Stage of extraction
(as in 2020)**

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
ANDHRA PRADESH															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Anantapur	84846.21	47161.42	1013.90	52467.51	185489.04	9274.69	176214.31	112723.84	597.02	16951.89	130282.75	23268.20	78547.23	73.93
2	Chittoor	92719.43	23818.96	836.85	20578.98	137954.22	6898.15	131056.07	69902.33	2868.77	5961.12	78732.21	10061.78	53480.07	60.08
3	East Godavari	68320.35	124541.66	3290.44	66276.63	262429.08	13121.77	249307.32	39158.73	4731.03	4036.93	47926.69	4780.25	203246.60	19.22
4	Guntur	49662.62	92208.88	1929.25	34149.45	177950.20	8897.56	169052.60	41753.80	298.53	10950.70	53003.04	15899.09	119482.60	31.35
5	Kadapa	83309.30	14929.77	558.32	16914.16	115711.55	5785.62	109925.89	54137.88	384.19	4305.30	58827.38	4305.30	64789.06	53.52
6	Krishna	40760.58	157301.43	16780.51	55709.77	270552.29	13527.86	257024.38	62468.67	2819.70	7396.08	72684.45	7912.62	186400.39	28.28
7	Kurnool	64814.59	86227.25	1373.14	30569.23	182984.21	9149.45	173834.74	34098.12	173.70	933.00	35204.81	933.39	141044.14	20.25
8	Nellore	120711.61	71498.40	69.41	123348.82	315628.24	15781.68	299846.58	92776.89	1782.00	4787.86	99346.75	8782.27	202391.99	33.13
9	Prakasam	65051.91	17335.00	25796.39	25068.56	133251.86	6663.23	126588.60	39039.80	313.14	1833.10	41186.04	10307.36	85908.04	32.54
10	Srikakulam	3190.92	51597.08	21640.31	22968.03	128196.34	6410.19	121786.08	19558.03	420.91	8781.27	28760.21	16816.98	92526.57	23.62
11	Vishakhapatnam	67943.86	20499.99	5851.03	4612.84	98907.72	4946.16	93961.54	9179.49	496.69	15904.88	25581.07	16655.83	69745.23	27.23
12	Vizianagaram	54765.17	91315.38	5535.51	74019.61	225635.67	11282.52	214353.03	40775.74	220.32	1726.22	42722.28	5440.50	170335.18	19.93
13	West Godavari	68260.83	55634.73	131.13	56393.35	180420.04	9017.37	171402.63	43944.04	381.24	4456.02	48781.30	6494.29	123262.98	28.46
	Total (Ham)	893157.38	854069.95	84806.19	583076.94	2415110.46	120756.25	2294353.77	659527.36	15487.25	88024.37	763038.98	131657.86	1591160.08	33.26
	Total (Bcm)	8.93	8.54	0.85	5.83	24.15	1.21	22.94	6.60	0.15	0.88	7.63	1.32	15.91	33.26

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
ARUNACHAL PRADESH																
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season		Total Annual Ground Water Recharge			Irrigation	Industrial	Domestic	Total				
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources											
1	Tirap	5429.47	268.20	1784.75	10.31	7492.73	374.63	7118.10	0.00	0.00	0.00	66.63	66.63	71.23	7046.87	0.94
2	Changlang	16679.05	1092.60	7569.09	0.86	25341.60	3951.82	21389.78	0.00	0.00	0.00	185.31	185.31	205.88	21183.90	0.87
3	Lohit	51716.05	667.50	41949.60	0.00	94333.15	7008.82	87324.33	0.00	0.24	0.24	231.12	231.36	254.34	87069.75	0.26
4	Lower Dibang Valley	42860.40	995.70	33884.40	0.00	77740.50	7774.05	69966.45	0.00	0.00	0.00	32.87	32.87	34.28	69932.17	0.05
5	East Siang	59109.22	1742.17	17483.44	171.97	78506.80	4515.50	73991.30	253.09	1.04	0.04	68.24	322.37	73.76	73663.41	0.44
6	West Siang	4445.29	0.00	916.73	0.00	5362.02	536.20	4825.82	0.00	1.44	0.00	21.99	23.43	23.04	4801.34	0.49
7	East Kameng	8567.56	480.00	3180.99	0.00	12228.55	1222.86	11005.69	0.00	0.00	0.00	28.35	28.35	35.68	10970.01	0.26
8	West Kameng	2342.95	61.20	397.31	0.00	2801.46	280.15	2521.31	0.00	0.72	0.00	11.40	12.12	12.25	2508.34	0.48
9	Lower Subansiri	2843.16	111.00	1442.42	0.00	4396.58	605.32	3791.26	0.00	0.00	0.00	20.59	20.59	28.05	3763.21	0.54
10	Upper Subansiri	14152	101.40	73.65	5.08	321.65	32.17	289.49	0.00	0.00	0.00	19.11	19.11	26.37	263.12	6.60
11	Papum Pare	6610.99	1505.05	2465.01	1.80	10582.85	1180.76	9402.10	0.00	18.49	0.00	97.30	115.79	128.60	9255.01	1.23
Total (Ham)		200745.65	7024.82	111147.39	190.02	319107.89	27482.27	291625.62	253.09	21.93	782.91	1057.93	1057.93	893.48	290457.13	0.36
Total (Bcm)		2.01	0.07	1.11	0.002	3.19	0.27	2.92	0.003	0.003	0.002	0.01	0.01	0.01	2.90	0.36

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
ASSAM																
S. No.	Name of District	Ground Water Recharge						Total Annual Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season			Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources									
1	Baksa	115340.08	1795.58	28746.13	1161.93	147043.72	19894.89	127148.83	2548.56	2.64	2078.68	4629.88	2226.40	122371.23	3.64	
2	Barpeta	87974.29	6338.77	26654.44	5818.54	126786.04	13659.70	113126.34	24276.00	11.92	3910.42	28198.34	4461.22	84377.20	24.93	
3	Bongaigaon	35036.51	2965.37	13660.22	2136.08	53798.18	6039.82	47758.36	10024.56	0.59	1733.74	11758.89	1968.20	35765.01	24.62	
4	Cachar	52156.05	4199.83	26550.06	606.85	83512.79	43069.04	40443.75	0.00	10.56	4019.91	4030.47	4552.83	35880.36	9.97	
5	Chirang	84224.80	1441.56	26270.41	975.03	112911.80	11585.30	101326.50	1522.08	2.37	1025.04	2549.49	1101.80	98700.25	2.52	
6	Darrang	36880.06	4155.57	17443.22	4169.26	62648.11	15054.96	47593.15	15469.44	12.08	2035.23	17516.75	2332.28	29779.35	36.81	
7	Dhemaji	96472.88	717.30	38006.99	325.30	135522.47	31751.51	103770.96	1631.28	4.08	1411.58	3046.94	1596.65	100538.95	2.94	
8	Dhubri	77646.95	5532.68	24330.23	4641.76	112151.62	11215.16	100936.46	23570.40	1.77	3029.61	26601.78	3517.91	73846.38	26.35	
9	Dibrugarh	82471.54	1314.65	47826.51	799.90	132412.60	27758.18	104654.42	4890.48	32.08	2863.50	7786.05	3088.53	96643.34	7.44	
10	Dima Hasao	22241.16	401.07	22238.35	53.04	44933.62	4493.36	40440.26	337.68	1.18	427.05	765.91	465.88	39635.52	1.89	
11	Goalpara	45009.20	3541.38	22991.96	2838.26	74380.80	9897.53	64483.27	9866.64	8.82	2034.10	11909.56	2337.15	52270.66	18.47	
12	Golaghat	81020.51	2696.94	35463.84	1019.26	120200.55	16897.00	103303.55	3677.52	12.77	1647.88	5338.16	1786.15	97827.12	5.17	
13	Hailakandi	13671.45	1588.04	9573.51	244.96	25077.96	12222.51	12855.45	5.04	0.00	778.15	783.18	887.86	11962.56	6.09	
14	Jorhat	53640.97	3172.98	35381.99	1066.36	93262.30	27808.08	65454.22	4215.12	3.18	1654.15	5872.45	1756.71	59479.20	8.97	
15	Kamrup	54793.37	5666.45	28027.63	4986.65	93474.10	11283.18	82190.92	20144.88	124.60	3064.54	23334.02	3412.23	58509.21	28.39	
16	Kamrup Metro Rural	126633.39	601.84	49061.18	377.28	176673.69	20320.98	156352.71	342.72	2.66	753.31	1098.69	840.17	155167.16	0.70	
17	Kamrup Metro Urban	37175.61	1651.19	24199.65	226.26	63252.71	15890.45	47362.26	80.64	0.58	1106.79	1188.01	1266.18	46014.86	2.51	
18	Karbi Anglong	181765.89	2710.98	46463.12	1008.53	231948.52	23343.39	208605.13	5913.60	0.00	546.43	6460.03	566.31	202125.22	3.10	
19	Karimganj	9034.11	617.46	4887.87	110.28	14649.72	3279.39	11370.33	1537.20	117.90	221.68	1876.78	225.11	9490.12	46.51	
20	Kokrajhar	4278.15	107.62	2135.66	14.91	6536.34	429.52	6106.82	0.00	78.96	3417.57	3496.53	3467.72	2560.14	57.26	
21	Lakhimpur	68853.66	4151.10	27125.97	1218.46	101349.19	46749.04	54600.15	3044.16	1.60	2155.25	5201.01	2398.64	49155.75	9.53	
22	Morigaon	27315.21	6949.67	11597.78	3536.89	49399.55	5809.19	43590.36	10777.20	4.88	2239.44	13021.51	2583.67	30224.62	29.87	
23	Nagaon	85595.11	11447.02	30648.31	8425.66	136116.10	13782.39	122333.71	26891.76	31.79	4386.73	31310.28	5021.40	90388.77	25.59	
24	Nalbari	30289.99	2631.79	12700.87	176.28	45798.93	7095.62	38703.31	7153.44	5.55	1351.94	8510.92	1458.79	30085.54	21.99	
25	Sivasagar	49611.31	3054.72	26817.94	994.06	80478.03	15012.58	65465.45	2437.68	25.65	2491.25	4954.58	2647.76	60354.37	7.57	
26	Sonitpur	102433.62	4778.95	52643.95	2535.21	162391.73	40011.54	122380.19	8611.68	48.17	4453.72	13113.57	4908.05	108812.29	10.72	
27	Tinsukia	89590.28	4914.30	50623.41	1161.85	146289.84	30590.40	115699.44	4033.68	27.25	3006.63	7067.56	3311.78	108326.73	6.11	
28	Udalguri	40699.49	7075.36	22147.18	2384.96	72306.99	23800.72	48506.27	4467.12	7.78	1667.17	6142.07	1773.70	42257.66	12.66	
Total (Ham)		1791855.64	96220.17	764218.38	53013.81	2705308.00	508745.43	2196562.57	197470.56	581.41	59511.47	257563.41	65961.08	1932549.57	11.73	
Total (Bcm)		17.92	0.96	7.64	0.53	27.05	5.09	21.97	1.97	0.01	0.60	2.58	0.66	19.33	11.73	

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
BIHAR																
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total				
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge										
1	Araria	65908.35	6930.94	8153.88	2580.48	83573.65	7652.45	75921.20	13511.94	927.00	5425.31	19864.24	14	55387.98	26.16	
2	Arwal	15059.16	2710.43	404.57	2470.90	20645.06	1938.79	18706.27	6210.75	405.00	1492.17	8107.91	15	10414.35	43.34	
3	Aurangabad	67552.71	9353.75	1301.00	6878.28	85085.74	8280.17	76805.57	21138.25	1278.00	5192.14	27608.37	5832.38	48556.98	35.95	
4	Banka	39447.78	4999.30	3610.20	2956.46	51013.74	5101.36	45912.38	12657.33	801.00	3542.35	17000.69	3979.14	28474.89	37.03	
5	Begusarai	44258.82	3732.76	2720.77	5027.23	55739.58	5573.98	50165.60	20792.43	1746.00	6194.72	28733.11	6958.59	20668.64	57.28	
6	Bhagalpur	63083.74	3549.71	6881.36	3196.80	76711.61	7241.91	69469.70	14008.92	1062.00	4840.39	19911.28	5437.25	48961.56	28.66	
7	Bhojpur	53685.00	13437.38	1193.71	8477.77	76793.86	7679.39	69114.47	35935.74	2313.00	5194.91	43443.64	5835.51	25030.24	62.86	
8	Buxar	40348.34	7693.35	897.17	6159.91	55098.77	5509.89	49588.88	23195.56	1458.00	3219.96	27873.52	3617.02	21318.30	56.21	
9	Darbhanga	56446.91	5892.93	5207.31	4448.37	71995.52	6975.55	65019.97	21147.19	1566.00	8104.12	30817.31	9103.41	33203.37	47.46	
10	East Champaran	108831.15	21656.49	4731.65	7663.23	140882.52	12016.94	128865.58	42436.89	2754.00	10168.06	55358.94	11421.87	72252.83	42.96	
11	Gaya	90420.38	13965.63	2384.42	12032.66	118803.09	11880.33	106922.76	56810.39	3555.00	9018.75	69384.15	10130.82	38409.24	64.89	
12	Gopalganj	47449.81	8070.16	847.07	8028.35	64395.39	5284.86	59110.53	25322.60	2862.00	4974.80	33159.39	5588.24	25337.68	56.10	
13	Jamui	36857.82	3511.50	1697.55	1549.11	43615.98	4361.62	39254.36	8661.82	585.00	3533.58	12780.42	3969.31	26038.20	32.56	
14	Jehanabad	22393.40	4515.36	592.44	4395.75	31896.95	3189.70	28707.25	22424.41	1449.00	2404.52	26277.92	2701.02	2514.61	91.54	
15	Kaimur	66094.41	7714.87	1147.78	7408.92	82365.98	8236.61	74129.37	24609.74	1422.00	3027.86	29059.60	3401.23	44696.40	39.20	
16	Katihar	92741.76	14044.30	8798.56	9322.42	124907.04	12490.74	112416.34	55624.59	3042.00	6234.25	64900.84	7002.98	46746.77	57.73	
17	Khagaria	45858.41	3747.88	4343.06	4811.63	58760.98	5067.34	53693.64	22763.16	1053.00	3172.03	26988.20	3563.17	26314.31	50.26	
18	Kishanganj	59930.97	2869.60	5777.87	2815.08	71393.52	6550.12	64843.40	14930.00	774.00	3467.39	19171.38	3894.95	45244.46	29.57	
19	Lakhisarai	23257.57	2340.13	1314.94	29029.35	2902.96	26126.39	26126.39	10251.11	432.00	2091.24	12774.34	2349.10	13094.17	48.89	
20	Madhepura	42873.90	10533.28	5227.85	7821.93	66456.96	5584.61	60872.35	37525.00	1710.00	3753.44	42988.44	4216.29	17421.05	70.62	
21	Madhubani	75344.57	9892.65	8756.57	7948.62	101942.41	8263.84	93678.57	35650.00	1872.00	8287.30	45809.29	9309.21	46847.38	48.90	
22	Munger	28902.29	2788.99	1521.01	1925.59	33137.88	3313.80	29824.08	9038.80	612.00	3666.13	13316.93	4118.19	16055.09	44.65	
23	Muzaffarpur	75861.94	16957.89	4205.59	12067.72	109093.14	10909.34	98183.80	50464.21	3627.00	9902.54	63993.77	11123.61	34957.90	65.18	
24	Nalanda	50876.41	11461.53	1471.59	7573.41	71382.94	6437.84	64945.10	36353.20	2709.00	6535.34	45597.55	7341.21	18667.23	70.21	
25	Nawada	43035.12	10670.07	1971.79	6213.70	61890.68	6006.09	55884.59	26413.64	1512.00	3595.06	31520.71	4038.36	23920.58	56.40	
26	Patna	75973.86	11201.55	2033.42	9762.46	98971.25	9554.04	89417.25	40694.22	3069.00	11566.38	55329.59	12992.60	32661.44	61.88	
27	Purnia	75342.05	6856.99	1716.99	3782.03	88354.48	8835.46	79519.02	19804.68	1296.00	6573.25	27673.96	7383.79	38147.51	59.61	
28	Rohats	75998.47	8037.07	4612.65	5775.31	60725.92	4468.89	56259.03	21157.50	990.00	3813.83	25961.33	4284.11	29827.43	46.15	
29	Saharsa	42300.89	70656.39	9734.37	4995.40	7936.67	9322.83	8911.20	84411.63	44368.09	2844.00	7363.22	54575.28	28928.40	64.65	
30	Samastipur	67255.25	12139.11	1103.17	10967.39	91464.92	9034.53	82430.39	40423.67	2529.00	7252.07	50204.74	8146.29	31331.45	60.91	
31	Saran	13701.91	2324.85	628.96	1558.58	18214.30	1821.42	16392.88	6876.55	405.00	1471.87	8753.43	1653.36	7457.96	53.40	
32	Sheikhpura	12184.76	1744.26	846.93	1331.37	16107.32	1610.73	14496.59	6568.90	378.00	1227.46	8174.37	1378.81	6170.88	56.39	
33	Sheohar	50587.93	4923.02	4177.75	4442.80	64131.50	5542.71	58588.79	23829.10	1467.00	6554.51	31850.61	7362.71	25929.98	54.36	
34	Sitamarhi	53453.08	19115.32	932.63	14716.02	88217.05	6556.98	81660.07	42218.45	2358.00	5794.06	50370.53	6508.52	30575.10	61.68	
35	Siwan	54782.70	13066.75	7045.67	7525.70	82420.82	8242.06	74178.76	24993.15	1467.00	4203.96	30664.10	4722.35	42996.28	41.34	
36	Supaul	51941.46	12873.79	1788.01	8490.10	75093.36	7509.34	67584.02	33210.58	2106.00	6824.32	42140.93	7665.81	24601.61	62.35	
37	Vaishali	105446.83	15829.02	4627.59	11669.76	137573.20	11298.57	126274.63	32459.70	1782.00	8133.98	42375.70	9136.96	82895.96	33.56	
38	West Champaran	2102146.30	332114.79	129289.12	241874.71	2805424.92	259833.63	2545591.29	1033136.43	65133.00	203602.27	1301871.73	228708.14	1223092.75	51.14	
	Total (Bcm)	21.02	3.32	1.29	2.42	28.05	2.60	25.46	10.33	0.65	2.04	13.02	2.29	12.23		

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
CHHATISGARH																
S. No.	Name of District	Ground Water Recharge						Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Balod	16181.18	7810.88	1721.84	10650.16	36364.06	3229.51	33134.55	20389.68	223.28	2132.77	22745.77	2356.22	10654.51	68.65	
2	Baloda Bazar	34099.30	15141.37	4269.90	7018.98	60529.55	5941.32	54588.23	17550.27	459.41	4617.17	22626.88	6482.56	30095.96	41.45	
3	Balrampur	42786.88	1374.31	6239.09	2685.88	53086.16	5308.63	47777.53	11631.10	46.48	1932.65	13610.19	2200.65	33899.34	28.49	
4	Bastar	23467.96	823.65	5036.05	2484.67	31812.33	2673.35	29138.98	9096.67	49.74	2167.54	11313.93	2400.33	17592.26	38.83	
5	Bemetara	16699.17	13227.34	1705.48	17583.72	49215.71	4660.82	44554.89	36300.27	343.39	2189.86	38833.51	2889.52	8115.06	87.16	
6	Bilapur	56124.02	184.00	5435.44	560.02	62303.48	6230.35	56073.13	1936.38	0.40	645.83	2582.60	711.88	53424.48	4.61	
7	Bilaspur	34315.47	7342.63	5598.09	6552.12	53808.31	4071.68	49736.63	16945.33	558.36	6132.77	23636.42	7853.65	24379.34	47.52	
8	Dantewara	26565.42	181.77	3019.40	1198.89	30965.48	2111.21	28854.27	2838.73	153.15	737.83	3729.71	820.00	25042.38	12.93	
9	Dhamtari	19870.47	9761.24	1840.12	16204.69	47676.52	4767.66	42908.85	34726.81	21.75	2020.37	36768.92	2180.05	8330.58	85.69	
10	Durg	14123.23	8291.89	1438.50	10271.04	34124.66	2932.03	31192.62	20479.11	459.81	4719.97	25658.89	5135.19	6525.91	82.26	
11	Gariaband	23427.62	5230.76	2119.95	6085.36	36863.69	3250.77	33612.92	18582.67	21.47	1603.33	20207.46	1877.55	13187.96	60.12	
12	Janjgir-Champa	22405.85	12308.05	2889.64	10180.72	47784.26	4303.57	43480.67	19315.20	111.23	4441.57	23867.96	5146.64	18907.64	54.89	
13	Jashpur	27267.04	1710.50	4685.05	3280.10	36942.69	3694.30	33248.39	10455.66	1.44	2136.04	12593.08	2320.47	20472.13	37.88	
14	Kanker	61107.35	2505.81	10098.15	7847.35	81558.66	7534.12	74024.55	20154.25	21.29	1937.42	22112.99	2150.07	52023.78	29.87	
15	Kawardha	33869.41	4757.42	4887.42	9579.41	53093.66	4148.27	48945.39	33365.73	6.89	2347.60	35720.21	2837.22	18491.07	72.98	
16	Kondagaon	27387.25	669.02	5961.33	2093.25	36110.85	2732.21	33378.64	10777.12	2.86	1495.56	12275.54	1658.78	21687.28	36.78	
17	Korba	34489.15	974.80	5341.93	2032.69	42838.57	3963.79	38874.77	8290.76	2763.40	3387.34	14441.52	3879.21	24619.32	37.15	
18	Koriya	37715.72	4197.19	5018.46	2468.25	49399.62	3156.45	46243.17	7886.94	754.65	1688.69	10330.26	1819.79	35781.80	22.34	
19	Mahasamund	41374.72	6898.77	4291.72	12028.97	64594.18	5275.61	59318.57	36223.57	36.19	2729.27	38989.00	3077.95	19980.89	65.73	
20	Mungeli	8983.52	2914.08	994.82	2952.81	15845.23	1584.54	14260.69	6558.95	15.77	1713.68	8288.42	2236.98	5448.97	58.12	
21	Narayanpur	23319.67	258.98	3730.18	447.36	27756.19	1778.25	25977.94	630.20	10.00	368.58	1008.77	412.02	24925.73	3.88	
22	Raigarh	35608.77	3599.99	5037.69	4940.20	49186.65	3897.29	45289.36	16066.65	1683.01	3976.92	21726.62	4491.91	23553.46	47.97	
23	Raipur	21140.58	10782.86	1931.21	12753.58	46608.23	4108.63	42499.60	20776.86	1350.98	6712.99	28840.83	8179.69	13585.14	67.86	
24	Rajnandgaon	44692.98	12282.17	5372.56	19407.99	81755.70	6736.48	75019.23	42951.79	97.35	4562.56	47611.72	6010.03	27294.18	63.47	
25	Sukma	46643.94	323.97	4340.78	457.55	51766.24	5176.63	46589.62	949.48	0.29	601.94	1551.73	636.60	45003.22	3.33	
26	Surajpur	23229.18	2472.40	3258.89	8174.97	37135.44	2813.96	34321.48	17896.36	566.68	2053.19	20516.25	2298.05	13639.35	59.78	
27	Surguja	36041.64	1491.03	5122.55	3701.20	46356.42	4635.65	41720.77	10648.73	666.83	2195.24	13510.78	2436.01	27969.22	32.38	
	Total (Ham)	832937.49	137516.88	111386.24	183641.93	1265482.54	110717.08	1154765.44	453425.27	10426.06	71248.66	535099.96	84499.02	624630.96	46.34	
	Total (Bcm)	8.33	1.38	1.11	1.84	12.65	1.11	11.55	4.53	0.10	0.71	5.35	0.84	6.25	46.34	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
DELHI															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season		Total Annual Ground Water Recharge			Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources										
1	Central	191.24	887.40	16.96	910.94	2006.54	200.66	1805.90	167.09	0.00	1483.93	1651.01	1534.23	250.53	16
2	East	122.55	707.55	9.91	717.82	1557.83	155.78	1402.06	128.69	0.00	1122.48	1251.17	1151.87	177.92	89.24
3	New Delhi	414.97	924.52	27.96	938.46	2305.91	230.59	2075.31	477.03	0.00	2202.79	2679.81	2295.72	0.00	129.13
4	North	1096.39	1904.15	87.20	2060.58	5148.32	514.83	4633.49	263.36	3504.00	1209.58	4976.95	1241.82	45.36	107.41
5	North East	128.89	524.37	11.19	530.29	1194.74	119.47	1075.27	105.16	0.00	1005.52	1110.68	1024.82	6.78	103.29
6	North West	686.58	1282.72	48.40	1675.59	3693.29	369.33	3323.97	498.75	0.00	1829.42	2328.16	1878.03	947.18	70.04
7	Shahdara	151.53	661.26	10.85	665.63	1489.27	148.93	1340.35	239.11	0.00	1213.72	1452.83	1249.48	6.36	108.39
8	South	234.35	1223.29	16.67	1238.91	2713.22	271.32	2441.89	242.24	0.00	2678.04	2920.29	2731.66	0.00	119.59
9	South East	413.57	636.99	29.08	652.04	1731.68	173.17	1558.51	242.99	156.00	1243.25	1642.24	1290.45	36.60	105.37
10	South West	1420.17	2233.99	95.68	2347.73	6097.57	609.76	5487.82	3911.46	0.00	2075.64	5987.10	2166.33	139.75	109.10
11	West	485.78	1401.61	34.67	1431.96	3354.02	335.40	3018.61	658.55	0.00	2080.69	2739.24	2099.45	381.17	90.75
12	Nazul Land	113.66	192.72	9.19	203.80	519.37	51.94	467.47	249.20	0.00	44.06	293.26	44.89	173.34	62.73
	Total (Ham)	5459.68	12580.57	397.76	13373.75	31811.76	3181.18	28630.55	7183.62	3660.00	18189.13	29032.77	18708.75	2164.99	101.40
	Total (Bcm)	0.0546	0.1258	0.0040	0.1337	0.3181	0.0318	0.2863	0.0718	0.0366	0.1819	0.2903	0.1871	0.0216	101.40

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
GOA															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Goa North	14682.01	1334.62	53.52	2591.74	18661.89	3732.38	14929.51	1419.93	51.65	2078.58	3550.18	2264.61	11193.32	23.78
2	South Goa	19460.60	619.65	287.17	1182.76	21550.18	4310.03	17240.15	1005.21	333.74	2665.62	4004.57	2904.18	12997.01	23.23
	Total (Ham)	34142.61	1954.27	340.69	3774.50	40212.07	8042.41	32169.66	2425.14	385.38	4744.19	7554.75	5168.79	24190.33	23.48
	Total (Bcm)	0.34	0.02	0.003	0.04	0.40	0.08	0.32	0.02	0.004	0.05	0.08	0.05	0.24	23.48

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
GUJARAT																
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total				
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Ahmedabad	44377.69	9688.35	0.00	10358.61	64424.65	3815.88	60608.76	37210.40	1268.60	676.51	39155.51	2668.36	21359.00	64.60	
2	Anand	137968.04	8043.98	0.00	9991.73	156003.75	7800.19	148203.56	74640.40	5.26	202.83	74848.48	213.21	73344.69	50.50	
3	Anand	28882.50	39882.83	0.00	35445.63	104210.96	7150.32	97060.64	22265.10	110.18	3969.68	26344.97	4688.66	70417.45	27.14	
4	Arvali	70906.20	3014.54	0.00	6520.91	80441.65	7690.86	72750.79	32196.30	5.48	1829.47	34031.25	2013.43	38535.58	46.78	
5	Banaskantha	82583.48	16242.09	0.00	18448.92	117274.49	10347.74	106926.75	129523.05	62.60	3762.13	133347.78	5092.00	19192.79	124.71	
6	Bharuch	63366.21	8169.95	0.00	14870.59	86406.75	8640.66	77766.09	15379.40	36.88	1083.63	16499.90	2032.73	61181.43	21.22	
7	Bhavnagar	84934.69	7021.85	0.00	10546.54	102503.08	5125.15	97377.93	42198.40	0.00	64.85	42263.25	71.32	55108.21	43.40	
8	Botad	43266.32	2441.28	0.00	3820.15	49527.75	2476.37	47051.37	23049.70	0.00	0.00	23049.70	0.00	24001.67	48.99	
9	Chhota Udepur	39945.22	4761.27	0.00	9485.09	54191.58	4894.98	49296.60	18634.60	0.00	1727.58	20362.17	1874.63	28787.38	41.31	
10	Dahod	34200.85	6586.17	0.00	10931.19	51718.21	4884.34	47233.87	8267.30	0.00	4576.15	12843.44	5471.59	33494.97	27.19	
11	Dang	30173.22	848.43	0.00	925.07	31946.72	3194.67	28752.05	1715.70	61.48	452.40	2229.59	512.56	26462.30	7.75	
12	Devbhumi Dwaraka	37488.18	2727.09	0.00	4543.48	44758.75	2237.93	42520.82	24483.80	0.00	1355.95	25839.76	1548.74	16572.46	60.77	
13	Gandhinagar	40044.07	5073.64	0.00	7761.33	52879.04	5287.91	47591.13	57109.30	244.37	1384.10	58737.77	1482.08	5393.03	123.42	
14	Gir Somnath	52503.68	3210.16	0.00	5115.06	60828.90	3041.45	57787.45	26281.30	0.00	2213.88	28495.19	2767.34	29134.13	49.31	
15	Jamnagar	152729.18	6577.36	0.00	11397.39	170703.93	8535.20	162168.73	51496.90	0.00	2122.61	53619.50	2444.32	108379.24	33.06	
16	Junagadh	76055.68	5195.42	0.00	8117.83	89368.93	8254.30	81114.63	60211.30	0.00	1904.93	62116.22	2123.43	21912.68	76.58	
17	Kachchh	49048.75	18503.57	0.00	17598.75	85151.07	6378.25	78772.82	56933.10	0.90	867.20	57801.20	1554.58	31816.30	73.38	
18	Kheda	77455.15	38260.81	0.00	37932.57	153648.53	7682.42	145966.11	52593.70	29.25	3091.16	55714.15	3359.45	90015.92	38.17	
19	Mahesana	78565.77	11554.36	0.00	22091.97	112212.12	11221.22	100990.88	100905.60	199.66	2980.50	104085.78	3240.03	7824.57	103.06	
20	Mahisagar	17449.93	4907.18	0.00	9088.11	31445.22	3144.51	28300.71	10135.20	0.00	672.87	10808.07	743.97	17421.54	38.19	
21	Morbi	48713.01	4137.44	0.00	8088.60	60939.05	3049.69	57889.36	26253.10	0.00	1383.99	27637.10	1830.66	30086.03	47.74	
22	Narmada	26666.89	4834.60	0.00	8077.01	39578.50	3008.21	36570.29	18038.40	0.25	463.52	18502.16	504.74	18026.91	50.59	
23	Navsari	52834.87	4380.70	0.00	10687.48	67903.05	5501.69	62401.36	19155.60	67.53	2293.87	21517.00	2504.91	40772.34	34.48	
24	Panchmahal	22217.36	10692.81	0.00	14646.81	47556.98	4201.20	43355.78	9404.60	27.30	1775.60	11207.50	1969.38	31954.49	25.85	
25	Patan	20983.87	5857.67	0.00	9733.79	36575.33	2403.15	34172.18	39745.90	17.89	500.63	40264.41	1359.82	2716.81	117.83	
26	Porbandar	21954.45	1698.08	0.00	2792.89	26445.42	1322.26	25123.16	14133.40	0.15	345.88	14479.44	397.17	10624.81	57.63	
27	Rajkot	152287.46	14900.50	0.00	23454.28	190642.24	9532.10	181110.14	99844.20	15.50	6381.45	106241.16	7163.96	74086.45	58.66	
28	Sabarkantha	50308.31	7772.96	0.00	16687.96	74769.23	7476.93	67292.30	49081.20	7.30	1824.53	50912.92	2007.99	17512.26	75.66	
29	Surat	82120.97	10669.35	0.00	27662.98	120453.30	9415.95	111037.35	29018.00	15.00	3362.62	32395.62	6773.66	77637.64	29.18	
30	Surendra Nagar	69501.38	4620.63	0.00	6376.66	80498.67	4024.96	76473.70	28902.20	0.00	629.67	29531.87	1150.20	46881.38	38.62	
31	Tapi	49529.02	3679.08	0.00	10132.92	63341.02	5127.84	58213.18	18137.80	0.00	500.65	18638.45	536.42	39538.96	32.02	
32	Vadodara	64018.71	10055.28	0.00	31613.19	105687.18	7843.33	97843.85	54911.90	397.50	2179.84	57489.24	2365.37	40314.12	58.76	
33	Valsad	56234.07	3148.99	0.00	7465.02	66848.08	6046.51	60801.57	13344.80	55.85	5218.47	18619.10	5914.90	41513.84	30.62	
	Total (Ham)	1959315.18	289158.42	0.00	432410.51	2680884.11	190358.17	2490525.91	1265201.55	2628.93	61799.16	1329629.65	78381.61	1252021.38	53.39	
	Total (Bcm)	19.59	2.89	0.00	4.32	26.81	1.90	24.91	12.65	0.03	0.62	13.30	0.78	12.52	53.39	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
HARYANA															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall sources	Recharge from other sources	Recharge from rainfall sources	Recharge from other sources	Total Annual Ground Water Recharge									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Ambala	25851.47	9181.01	5607.82	7386.20	48026.50	4802.65	43223.85	39427.89	7575.00	6649.27	53652.15	6649.27	1255.45	124.13
2	Bhiwani	15738.99	12820.20	1388.30	11859.38	41806.87	3669.38	38137.49	39187.30	144.00	2612.00	41943.30	2612.00	5257.97	109.98
3	Charkhi Dadri	8957.67	5157.99	930.36	4305.69	19351.71	1935.16	17416.55	22945.08	28.00	1246.79	24219.89	832.04	3980.96	139.06
4	Faridabad	5199.25	3665.83	2749.41	4658.58	16273.07	1426.38	14846.69	12667.80	5136.00	919.22	18723.01	751.29	0.00	126.11
5	Fatehabad	11427.64	25941.43	1779.59	20326.84	59475.50	5947.55	53527.95	89094.85	135.72	1625.52	90856.11	1415.12	199.44	169.74
6	Gurgaon	9765.55	5374.69	2964.10	4587.04	22691.38	2269.16	20422.22	22073.37	17117.17	2232.48	41423.03	2232.48	0.00	202.83
7	Hisar	20573.44	14743.40	2690.55	20871.00	58878.39	5289.02	53589.37	48006.94	230.22	366.20	48603.36	323.20	9744.14	90.70
8	Jhajjar	11725.54	11279.43	1875.41	12075.97	36956.35	2914.83	34041.52	15389.40	86.00	313.94	15789.35	262.77	18303.34	46.38
9	Jind	16168.54	31649.90	7476.02	30369.38	85663.84	8566.38	77097.46	83174.71	461.63	3359.02	86995.36	3106.86	6217.00	112.84
10	Kaithal	17128.09	23863.48	2786.69	16436.40	60214.66	5459.15	54755.51	108915.69	573.77	4169.87	113659.32	4169.87	0.00	207.58
11	Karnal	29880.64	20460.98	1602.32	28750.64	80694.56	7604.60	73089.98	114374.77	2180.00	6231.32	122786.11	5029.01	3342.83	167.99
12	Kurukshetra	13561.65	12772.05	2636.87	9947.99	38918.56	3677.52	35241.04	67780.88	12575.88	6322.97	86679.74	6322.96	0.00	245.96
13	Mahendragarh	14195.25	4003.68	2506.43	7763.19	28468.55	2846.87	25621.68	24762.24	31.08	2477.93	27271.25	2477.93	4109.00	106.44
14	Mewat	7541.18	4428.13	2746.03	4866.74	19582.08	1958.21	17623.87	12526.28	19.91	1696.15	14242.33	1466.46	5012.65	80.81
15	Palwal	9120.94	12652.02	1262.10	15700.97	38736.03	3873.61	34862.42	30451.75	680.60	3318.43	34450.77	2557.19	5582.36	98.82
16	Panchkula	11474.90	1353.83	1363.58	1060.05	15252.36	1249.36	14003.00	7363.08	90.00	1257.50	8710.57	1257.50	5292.43	62.21
17	Panipat	12589.33	9702.82	1066.20	12242.63	35600.98	3560.12	32040.86	53406.36	636.00	2440.66	56483.03	2204.14	0.00	176.28
18	Rewari	13614.11	5582.56	1854.01	9870.61	30921.29	3092.12	27829.17	31833.15	1452.00	2037.47	35322.62	1388.81	702.84	126.93
19	Rohtak	11347.19	9588.22	2948.20	8550.54	32434.15	2687.56	29746.59	14166.66	166.06	435.65	14768.37	446.18	14967.69	49.65
20	Sirsa	19177.20	18031.80	1280.52	22075.08	60564.60	5818.16	54746.44	79872.61	162.90	1854.48	81889.99	1863.58	2685.16	149.58
21	Sonapat	17306.20	22927.34	3559.48	20886.26	64679.28	5324.12	59355.16	62012.69	939.29	2516.63	65468.59	1883.94	10235.53	110.30
22	Yamuna Nagar	21448.69	15838.36	5158.77	15064.44	57510.26	5751.03	51759.23	67109.37	2340.00	7801.56	77250.93	7801.56	159.41	149.25
Total (Ham)		323793.46	281019.15	58232.76	289655.62	952700.99	89722.94	862978.05	1046542.87	52761.23	61885.06	1161189.18	57054.16	97048.20	134.56
Total (Bcm)		3.24	2.81	0.58	2.90	9.53	0.90	8.63	10.47	0.53	0.62	11.61	0.57	0.97	134.56

100

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
JHARKHAND																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Bokaro	20046.48	1486.78	1885.13	1134.74	24553.13	2214.74	22338.39	2283.00	3660.61	3857.14	9800.77	3883.92	13416.30	43.87	
2	Chatra	20963.72	2121.11	615.62	1932.24	25632.69	2028.82	23603.87	6112.00	709.17	1448.85	8270.03	1458.92	15323.78	35.04	
3	Deoghar	11127.01	1390.49	1453.81	1404.77	15376.08	1107.36	14268.72	4966.13	205.19	2267.21	7438.52	2282.95	6814.44	52.13	
4	Dhanbad	17567.64	3489.34	1438.62	3475.68	25971.28	2394.47	23576.82	2574.50	7905.66	5344.05	15824.21	5381.17	7983.88	67.12	
5	Dumka	19606.76	2852.28	3381.78	1619.30	27460.12	2093.69	25366.44	3749.75	18.71	1847.86	5616.33	1860.69	19737.28	22.14	
6	East Singhbhum	24792.29	672.08	2826.54	569.88	28860.79	2746.91	26113.88	1860.00	605.71	3639.45	6105.15	3664.71	20956.49	23.38	
7	Garhwa	24600.47	2398.72	1051.99	2343.26	30394.44	2402.95	27991.49	7531.88	11.26	1742.82	9285.93	1754.92	18693.46	33.17	
8	Giridih	33955.19	3370.72	2291.70	2647.96	42265.57	3443.16	38822.41	9022.88	764.77	3467.17	13254.80	3491.24	25543.55	34.14	
9	Godda	16466.31	1757.06	1899.42	1032.55	21155.34	1820.90	19324.43	1869.00	312.15	1807.84	3988.97	1820.37	15332.94	20.63	
10	Gumla	30917.49	884.93	3257.62	1159.17	36219.21	3005.44	33213.77	3789.50	10.03	1322.81	5122.30	1331.99	28082.29	15.42	
11	Hazaribagh	25622.66	2123.01	2488.63	2478.78	32713.08	2870.44	29842.64	7851.38	695.04	2606.67	11153.10	2624.78	18671.43	37.37	
12	Jamtara	5987.35	1368.34	827.22	979.09	9162.00	834.25	8327.75	2280.25	6.40	1131.29	3417.94	1139.15	4901.95	41.04	
13	Khunti	10587.14	658.81	1201.58	738.68	13186.21	873.93	12312.28	2385.00	7.76	753.80	3146.55	759.03	9160.49	25.56	
14	Koderma	5390.09	378.05	444.05	631.03	6843.22	438.38	6404.84	2504.38	20.30	1108.24	3632.89	1115.95	2764.23	56.72	
15	Latehar	18532.60	2496.33	1030.62	1915.24	23974.79	1914.16	22060.63	5109.00	118.54	1019.17	6246.72	1026.24	15806.84	28.32	
16	Lohardaga	16145.95	505.25	1478.73	590.29	18720.22	1667.87	17052.35	1833.50	13.34	675.66	2522.47	680.35	14525.19	14.79	
17	Pakur	18699.81	1425.69	2956.84	908.49	23990.83	1975.38	22015.45	1911.50	22.44	1115.79	3049.72	1123.54	18957.97	13.85	
18	Palamau	25961.06	5429.72	1101.53	2474.37	34966.68	2911.20	32055.48	7094.50	173.88	2820.75	10089.13	2840.32	21946.78	31.47	
19	Ramgarh	10081.27	550.28	836.24	616.19	12083.98	626.14	11457.84	1428.25	3173.77	1736.60	6338.59	1748.66	5107.18	55.32	
20	Ranchi	34549.24	1982.44	3453.76	2681.23	42666.67	3225.80	39440.87	9619.50	1452.12	5297.24	16368.87	5334.03	23035.20	41.50	
21	Sahebganj	21717.22	2920.76	2398.89	1394.02	28430.89	2471.55	25959.34	2207.00	40.23	1702.61	3949.83	1714.44	21997.68	15.22	
22	Sahebganj - Kharsawa	15031.08	728.26	1707.67	462.50	17929.51	1499.59	16429.92	1099.50	405.91	1704.16	3209.57	1716.00	13208.52	19.53	
23	Simdega	21266.69	548.75	837.59	586.73	23239.76	1823.54	21416.22	1807.00	0.00	840.77	2647.78	846.62	18762.58	12.36	
24	West Singhbhum	41369.34	1442.98	5742.08	914.60	49469.00	4442.82	45026.18	1707.50	23.05	2234.19	3964.72	2249.72	41045.94	8.81	
Total (Ham)		490984.86	42982.18	46607.66	34690.79	615265.49	50833.49	564432.01	92596.88	20356.02	51492.16	164444.89	51849.71	401776.39	29.13	
Total (Bcm)			0.43	0.47	0.35	6.15	0.51	5.64	0.93	0.20	0.51	1.64	0.52	4.02	29.13	

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
KARNATAKA																
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season		Total Annual Ground Water Recharge			Irrigation	Industrial	Domestic	Total				
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Baagalot	11256.28	23990.18	5180.34	17354.82	57781.62	5723.09	52058.53	44546.20	0.00	3639.62	48185.81	3951.62	10148.48	92.56	
2	Bangalore Rural	6678.59	4177.63	4317.25	5173.38	20346.86	2015.49	18331.37	23679.34	0.00	1503.34	25182.69	1708.06	109.46	137.37	
3	Bangalore Urban	4817.08	3762.47	3937.49	5107.21	17624.25	1762.43	15861.82	20573.93	0.00	1419.28	21993.21	1660.57	0.00	138.66	
4	Belagavi	35987.75	37053.45	9641.96	22906.21	105589.36	9827.61	95761.75	60554.28	0.00	10641.69	71196.03	11510.24	31997.84	74.35	
5	Belary	28358.71	21609.76	14524.66	15676.57	80169.70	7924.14	72245.56	39073.80	0.00	4348.48	43422.29	4745.15	32328.11	60.10	
6	Bidar	17850.20	2710.99	3345.95	4799.20	28706.34	2823.24	25883.10	12085.64	0.00	1020.59	13106.23	1103.80	12743.18	50.64	
7	Chamrajnagara	16245.80	7688.50	7032.93	5690.75	36657.98	3665.82	32992.17	30401.86	0.00	3105.32	33507.16	3905.17	2477.15	101.56	
8	Chikballapur	11565.99	12485.10	7245.30	9873.16	41169.55	4116.94	37052.61	50780.88	0.00	3078.11	53858.98	3380.96	931.09	145.36	
9	Chikkamagalur	44545.60	11262.29	10605.56	7401.10	73814.55	7014.41	66800.14	29005.13	0.00	2437.69	31438.80	2536.88	37269.31	47.06	
10	Chitradurga	20748.20	9938.17	11569.17	11209.87	53465.42	5346.54	48118.88	47814.49	0.00	4358.18	52172.63	4721.16	6321.08	108.42	
11	Dakshin Kanna	51614.42	3116.15	4081.54	3700.14	62512.26	6251.23	56261.03	18006.33	0.00	3077.12	21083.45	3262.79	34991.90	37.47	
12	Davangere	15417.44	13708.20	8161.47	24507.25	61794.35	5346.10	56448.24	43499.13	0.00	2681.48	46180.61	2854.27	18362.85	81.81	
13	Dharwad	14789.86	4529.45	5388.84	3942.03	28650.19	2555.31	26094.88	12667.49	0.00	1517.53	14185.02	1622.57	11815.93	54.36	
14	Gadag	9843.45	6903.38	4934.22	7870.45	29551.50	2955.15	26596.35	21115.12	0.00	1997.33	23112.46	2127.01	5145.29	86.90	
15	Hassan	24085.90	30482.39	10728.39	20321.81	85618.49	8289.73	77328.75	43953.75	0.00	3740.60	47694.35	4018.81	35182.21	61.68	
16	Haveri	19737.22	25156.04	7109.86	23180.26	75183.37	6528.22	68655.15	34441.91	0.00	2947.80	37389.70	3169.49	31809.26	54.46	
17	Kaiburagi	35171.21	4441.39	8401.37	7729.27	55743.25	5574.30	50168.94	17963.83	0.00	4376.94	22340.77	4803.35	28605.98	44.53	
18	Kodagu	27102.50	2810.88	6400.96	3444.82	39759.15	3713.60	36045.56	9372.64	0.00	1734.50	11107.16	2392.38	24280.51	30.81	
19	Kolar	10502.16	11008.43	7377.30	15513.88	44401.77	4440.19	39961.58	75370.21	0.00	4537.68	79907.88	4951.10	0.00	199.96	
20	Koppal	14972.25	22132.01	6148.98	27078.34	70331.58	6944.52	63387.06	33990.05	0.00	2255.50	36245.56	2494.42	28369.60	57.18	
21	Mandya	12116.68	55729.72	6092.46	19805.89	93744.75	9374.48	84370.27	44055.10	0.00	3744.99	47800.11	4217.59	37439.51	56.66	
22	Mysuru	21992.93	31220.70	13928.22	13011.44	80153.28	7607.79	72545.50	27001.56	0.00	6700.80	33702.36	9683.36	38007.46	46.46	
23	Raichur	15428.10	17738.87	6353.36	29083.09	68603.43	6595.58	62007.85	26105.35	0.00	3727.50	29832.85	4519.87	31528.96	48.11	
24	Ramanagara	8306.39	13709.41	6134.98	13576.43	41727.21	4172.72	37554.48	31960.88	0.00	2000.57	33961.45	2758.20	3863.31	90.43	
25	Shivamogga	69868.66	24405.68	6419.47	13129.97	113823.78	11338.70	102485.08	30289.08	0.00	3828.08	34117.15	3979.11	68678.94	33.29	
26	Tumakuru	28857.57	23149.55	19038.71	15588.37	84634.20	8181.80	76452.40	63615.70	0.00	5531.75	69147.44	6012.41	18160.06	90.45	
27	Udupi	59473.12	2552.62	3119.27	1993.41	67138.41	6713.84	60424.58	10634.17	0.00	3758.48	14392.64	3955.31	45835.10	23.82	
28	Uttar Kannada	72046.43	22886.25	1945.73	5055.18	101933.59	10092.89	91840.70	19035.51	0.00	3398.44	22433.93	3602.85	69202.36	24.43	
29	Vijayapura	22815.33	6609.37	9183.47	11391.29	49999.46	4627.42	45372.04	25993.67	0.00	3733.51	29727.17	4053.22	16926.21	65.52	
30	Yadgir	17110.74	11112.34	4424.08	12327.63	44974.78	4497.48	40477.30	12661.68	0.00	2110.65	14772.34	2275.61	25540.12	36.50	
	Total (Ham)	747306.55	468081.37	222773.29	377443.23	1815604.44	176020.79	1639583.65	960248.71	0.00	102949.54	1063198.25	115977.34	708071.25	64.85	
	Total (Bcm)	7.47	4.68	2.23	3.77	18.16	1.76	16.40	9.60	0.00	1.03	10.63	1.16	7.08	64.85	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
KERALA															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season		Total Annual Ground Water Recharge			Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Alappuzha	30068.77	428.56	4450.93	6803.64	41751.90	3010.22	38741.68	3850.09	260.98	9711.38	13822.51	10069.86	24560.69	35.68
2	Ernakulam	35404.58	1271.91	7302.58	6966.54	50945.61	4986.02	45959.59	8167.69	185.44	13367.28	21720.40	19145.59	18460.87	47.26
3	Idukki	17995.40	311.20	811.68	1856.03	20974.31	2097.41	18876.90	6063.04	13.04	4358.70	10434.78	4358.70	8442.12	55.28
4	Kannur	38455.10	873.35	1818.66	3842.01	44989.12	4351.15	40637.97	8397.78	26.13	10512.18	18936.12	14256.60	18166.93	46.60
5	Kasaragod	26260.75	1272.78	508.58	4348.60	32390.71	3239.07	29151.64	15919.49	13.91	6339.27	22272.67	11055.20	3196.88	76.40
6	Kollam	27361.75	827.06	6564.38	2771.53	37524.72	3518.11	34006.61	5106.65	18.87	11416.69	16542.20	12609.60	16271.49	48.64
7	Kottayam	29715.79	762.74	4930.28	5595.41	41004.22	3812.93	37191.29	5059.88	2.97	8504.39	13567.22	9194.25	22934.22	36.48
8	Kozhikkode	31186.83	398.96	1565.21	1437.35	34588.35	3458.85	31129.50	4869.73	7.09	12883.75	17760.58	20961.63	7816.17	57.05
9	Malappuram	39631.09	886.06	4369.05	7689.59	52575.79	4979.08	47596.71	9535.32	8.74	22737.86	32281.95	60165.36	15314.76	67.82
10	Palakkad	35607.81	3975.43	699.16	24617.72	64900.12	6490.01	58410.11	18631.94	599.85	13904.83	33136.60	22761.33	19365.50	56.73
11	Pathanamthitta	18372.86	493.55	5571.76	1939.61	26377.78	2245.57	24132.21	3868.74	0.04	4681.94	8550.69	4681.94	15581.52	35.43
12	Thiruvananthapuram	21075.45	570.29	5623.81	2734.43	30003.98	2718.40	27285.58	5291.15	6.36	11910.05	17207.51	13586.05	8402.06	63.06
13	Thrissur	45874.26	840.67	1999.45	14282.56	62996.94	6114.38	56882.56	20148.87	38.96	12862.55	33050.39	17127.38	19567.33	58.10
14	Wayanad	23266.23	442.26	0.00	686.28	24394.77	2439.49	21955.28	1363.15	158.40	3785.31	5306.85	5047.47	15386.27	24.17
	Total (Ham)	420276.67	13354.82	46215.53	85571.30	565418.32	53460.69	511957.63	116273.49	1340.78	146976.17	264590.47	225020.96	213466.81	51.68
	Total (Bcm)	4.20	0.13	0.46	0.86	5.65	0.53	5.12	1.16	0.01	1.47	2.65	2.25	2.13	51.68

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
MADHYA PRADESH																
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total				
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Agar Malwa	33138.64	2590.20	0.00	9681.30	45410.14	4382.30	41027.84	38041.29	0.00	1593.66	39634.97	1766.32	4711.45	96.61	
2	Alirajpur	19981.86	1058.60	0.00	2063.07	23103.53	1776.22	21327.31	6306.57	0.00	2189.07	8495.65	2548.66	12472.07	39.83	
3	Anuppur	36011.33	319.95	2853.65	1245.99	40430.92	2695.93	37734.99	6038.97	0.00	1512.23	7551.20	1623.03	30072.99	20.01	
4	Ashtoknagar	28905.41	2075.65	0.00	7824.77	38805.83	3103.98	35701.85	20881.54	0.00	1746.69	22428.24	1927.85	13092.45	62.82	
5	Balaghat	81686.50	1957.93	290.51	2791.18	86726.12	8672.64	78053.48	12464.29	0.00	3597.17	16061.44	3889.78	61699.41	20.58	
6	Barwani	34944.34	3415.72	0.00	18550.63	56910.69	5165.15	51745.54	33147.22	0.00	3491.24	36638.47	3939.54	19221.59	70.81	
7	Betul	102040.17	3612.40	0.00	16046.71	121699.28	8221.47	113477.81	46816.25	0.00	3753.32	50569.58	4105.82	62555.74	44.56	
8	Bhind	80922.82	1574.22	0.00	15453.78	97950.82	9204.22	88746.59	25344.54	0.00	3414.40	28758.94	3758.17	59643.88	32.41	
9	Bhopal	30342.01	2622.81	0.00	6942.84	39907.66	3042.37	36865.29	23436.86	0.00	3579.55	27016.42	4087.34	9341.08	73.28	
10	Burhanpur	30054.26	2541.78	264.63	7412.93	40273.60	2923.68	37343.92	22112.22	0.00	1469.58	23581.82	1665.18	13566.50	63.15	
11	Chhatarpur	65844.51	4269.32	0.00	16628.35	86742.18	6288.59	80453.59	50832.41	0.00	2952.35	53784.73	3323.15	26298.06	66.85	
12	Chhindwara	87803.07	3866.38	600.33	12436.85	104706.63	5919.69	98786.94	53283.52	0.00	5792.71	59076.21	6149.52	39353.93	59.80	
13	Damoh	31619.92	2050.39	0.00	9173.22	42843.53	3545.25	39298.28	19443.36	0.00	2988.54	22431.87	3295.52	16559.44	57.08	
14	Datta	36352.90	730.38	0.00	6722.30	43805.58	3037.44	40768.14	12664.84	0.00	1678.34	14343.20	1894.54	26208.75	35.18	
15	Dewas	66496.05	4935.92	0.00	15466.15	86898.12	6096.06	80802.06	60554.71	25.35	4104.70	64684.74	4579.59	16963.50	80.05	
16	Dhar	84490.43	7124.47	0.00	22699.40	114314.30	9401.24	104913.07	77390.91	0.00	5739.37	83130.27	6648.40	32426.91	79.24	
17	Dindori	40499.20	141.01	301.21	500.43	41441.85	2604.84	38837.01	2377.60	0.00	1754.34	4131.95	1986.42	34472.98	10.64	
18	Guna	60581.42	4283.83	0.00	14725.30	79590.55	4324.69	75265.86	47286.67	0.00	2408.17	49694.84	2715.98	25263.21	66.03	
19	Gwalior	53338.95	8182.71	0.00	18809.43	80331.09	6641.99	73689.10	17955.82	0.00	3756.70	21712.52	4376.51	51729.54	29.47	
20	Harda	33125.19	2883.56	0.00	15665.43	51874.18	5187.43	46886.75	14704.63	0.00	1183.32	15887.95	1330.85	30651.27	34.03	
21	Hoshangabad	129279.31	11449.30	0.00	66364.78	207093.39	12074.20	195019.19	39144.71	0.00	2168.49	41313.17	2355.80	153518.70	21.18	
22	Indore	37119.30	7338.55	0.00	15632.80	60090.65	5476.51	54614.14	59179.95	1471.40	8146.08	68797.42	10002.61	2539.19	125.97	
23	Jabalpur	51628.17	3265.54	0.00	8922.50	38161.21	4819.00	59897.21	25507.40	6.48	3536.67	29050.55	3956.94	29689.42	49.24	
24	Jhabua	21206.45	1494.72	0.00	5236.23	27937.40	1703.56	26233.84	10246.94	0.00	2993.56	13240.51	3548.42	12438.46	50.47	
25	Katni	33856.39	1363.44	0.00	4594.03	39813.86	3136.60	36677.26	13378.93	0.00	2624.73	16003.69	2973.79	20324.50	43.63	
26	Khandwa	56167.03	4407.81	0.00	37510.11	98084.95	8047.93	90037.02	40020.29	45.92	2881.48	42947.69	3243.92	46726.88	47.70	
27	Khargone	63404.27	5658.22	0.00	44762.52	113825.01	7863.59	105961.41	41433.83	0.00	4293.50	45727.33	4743.84	59783.75	43.15	
28	Mandla	56699.37	871.29	1095.53	4003.84	62670.03	3425.88	59244.15	6908.22	0.00	2425.78	9334.00	2690.49	49645.45	107.27	
29	Mandsaur	47803.06	4507.38	0.00	14756.06	67066.50	6706.65	60359.85	61437.69	0.00	3311.25	64748.93	3604.90	2412.50	15.76	
30	Morena	47301.71	1017.70	0.00	20826.71	69146.12	5361.48	63784.63	19819.30	0.00	5581.40	25400.69	6348.42	37719.42	39.82	
31	Narsinghpur	102628.63	3571.16	0.00	15637.83	121837.62	8296.36	113541.26	70217.32	0.00	2263.17	72480.48	2452.96	40870.98	63.84	
32	Neemuch	29881.06	4282.92	0.00	8391.84	42555.82	4255.57	38300.25	33497.06	0.00	1893.07	35390.12	2063.71	3215.25	92.40	
33	Panna	57402.37	1283.65	0.00	6047.50	64733.52	6473.35	58260.17	15444.08	0.00	2363.99	17808.08	2635.57	40180.52	30.57	
34	Raisen	76289.29	3279.07	0.00	9587.61	89155.97	7206.76	81949.21	39617.81	650.00	3227.11	43494.90	3646.89	38034.53	53.08	
35	Rajgarh	65411.49	3848.31	0.00	13198.21	82458.01	4954.26	77503.75	61546.56	0.00	3873.19	65419.73	4534.90	11422.31	84.41	
36	Ratlam	54572.43	7036.13	0.00	22822.50	84431.06	8108.40	76322.66	103519.66	208.00	4014.22	107741.87	6066.10	1491.06	141.17	
37	Rewa	42008.70	1835.61	273.82	8259.36	52377.49	4009.86	48367.63	21032.59	173.74	5346.46	26552.80	6185.05	20976.23	54.90	
38	Sagar	91071.07	3614.96	0.00	14072.96	108758.99	8828.73	99930.26	56586.75	0.00	3645.88	60232.63	4089.76	39253.76	60.27	
39	Satna	51079.31	2498.19	1006.14	10349.00	64932.64	5640.78	59291.86	33693.62	0.00	4544.75	38238.38	5077.31	23649.88	64.49	
40	Sehore	54332.97	3470.08	0.00	11992.90	69795.95	4608.14	65187.81	38035.12	0.00	2365.60	40400.72	2605.78	24992.51	61.98	
41	Seoni	62350.77	1951.24	2242.88	5957.79	72502.68	4252.85	68249.83	22485.01	0.00	3136.80	25621.81	3485.41	42279.41	37.54	
42	Shahdol	45582.48	368.60	1595.85	1329.18	48876.11	4887.61	43988.50	4944.24	0.00	2157.66	7101.91	2384.54	36659.72	16.14	
43	Shajapur	42405.42	3246.09	0.00	11150.46	56801.97	3551.76	53250.21	54079.84	0.00	2098.73	56178.57	2288.53	2798.52	105.50	
44	Sheopur	35918.59	963.24	0.00	19248.01	56129.84	4957.24	51172.60	17631.34	0.00	1719.30	19350.64	1968.51	31572.74	70.24	
45	Shivpuri	62089.34	3662.39	0.00	14689.65	80441.38	5712.34	74729.04	48093.48	0.00	4394.96	52488.42	5022.47	21613.11	23.21	
46	Sidhi	47076.52	795.32	667.28	2711.05	51250.17	3756.79	47493.79	8506.79	0.00	2518.87	11025.68	2894.90	36092.08	38.27	
47	Singrauli	33344.80	790.04	0.00	2636.16	36771.00	2717.35	34053.65	10858.41	0.00	2174.35	13032.75	2568.08	20627.17		
DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020

MADHYA PRADESH																
S. No.	Name of District	Ground Water Recharge						Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources	Total Annual Ground Water Recharge									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
48	Tikamgarh	47166.79	3180.52		0.00	11632.90	61980.21	56361.39	36393.46	0.00	3841.62	40235.06	5083.16	14884.79	71.39	
49	Ujjain	73764.02	5627.80		0.00	20805.98	100197.80	91800.84	92923.58	28.84	3517.88	96470.30	3859.19	9505.30	105.09	
50	Umaria	42947.39	559.13	811.73		1768.10	46086.35	41477.73	8591.38	0.00	1480.99	10072.37	1714.99	31171.39	24.28	
51	Vidisha	75288.67	2711.94		0.00	12747.24	90747.85	84353.11	47660.09	0.00	3576.55	51236.64	4027.89	32665.13	60.74	
	Total (Ham)	2775256.15	160187.57	12003.56	668685.87	3616133.15	278093.45	3338039.67	1733319.68	2609.73	160823.56	1896752.85	183736.97	1525059.41	56.82	
	Total (Bcm)	27.75	1.60	0.12	6.69	36.16	2.78	33.38	17.33	0.03	1.61	18.97	1.84	15.25	56.82	

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
MAHARASHTRA																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Ahmednagar	85781.40	13325.98	14292.88	45925.63	159325.89	8457.06	150868.83	114588.35	0.00	6196.74	120785.10	6196.76	41700.36	80.06	
2	Akola	27826.59	1472.64	205.97	8688.31	38173.52	2563.35	35610.17	21512.89	0.00	2247.83	23760.73	2247.87	11901.01	66.72	
3	Amravati	53662.13	4699.59	1301.78	26837.03	86500.54	6121.87	80378.67	70883.48	0.00	4354.80	75238.41	4354.79	18151.28	93.60	
4	Aurangabad	67424.51	7120.07	334.37	31424.64	106303.59	5492.72	100810.87	69352.38	0.00	3462.54	72814.94	3462.48	27995.96	72.23	
5	Beed	81181.38	8213.38	6240.27	32855.58	128490.61	6424.55	122066.06	78121.03	0.00	4213.12	72025.13	4213.12	50040.93	59.01	
6	Bhandara	31379.88	44876.78	417.80	15965.57	92640.03	6836.09	85803.94	22414.31	37.89	3648.19	26100.39	3648.19	59703.55	30.42	
7	Buldhana	64511.58	5233.41	263.73	21719.68	91728.41	5135.03	86593.38	65197.36	0.00	3254.42	68451.82	3254.42	21164.53	79.05	
8	Chandrapur	99909.31	4760.52	1471.98	11466.41	116608.22	6053.65	110554.57	14925.01	0.00	17107.51	32032.60	17107.50	78521.99	28.97	
9	Dhule	44433.42	7230.56	0.00	20749.03	72413.01	4148.12	68266.89	34082.66	3.25	1754.81	35840.72	1754.80	32426.16	52.50	
10	Gadchiroli	94076.16	3316.89	0.00	10239.42	107632.48	6110.64	101521.84	21046.00	0.00	3679.52	24725.60	3679.51	76796.24	24.35	
11	Gondia	42973.23	6702.60	645.57	16408.00	66729.40	4180.30	62549.10	10153.58	297.06	5909.95	16360.58	5909.92	46188.52	26.16	
12	Hingoli	50310.61	2780.69	1340.57	47748.08	102179.95	5174.52	97005.43	36097.50	2.53	2159.14	38259.18	2159.14	58746.25	39.44	
13	Jalgaon	89195.64	6694.80	574.12	46104.57	142569.13	7304.35	135264.78	101162.32	0.00	4887.81	106050.10	4887.79	35647.21	78.40	
14	Jalna	57765.54	2918.66	115.46	22359.31	83158.97	4565.42	78593.55	41634.48	0.00	1397.04	43031.55	1397.01	35561.99	54.75	
15	Kolhapur	53249.23	8505.41	780.56	58343.85	120879.05	7223.87	113655.18	52115.81	0.00	2058.48	54174.30	2058.48	59616.64	47.67	
16	Latur	45440.55	6912.70	0.00	15902.77	68256.02	3422.37	64833.65	33580.73	0.00	2142.34	35723.04	2142.33	29800.26	55.10	
17	Nagpur	66937.32	7209.95	2587.52	19951.86	96686.65	5254.14	91432.51	37281.60	0.00	10143.48	47425.01	10143.51	44007.48	51.87	
18	Nanded	101847.77	974.83	3718.27	17520.68	124061.55	6203.13	117858.42	34865.24	1.21	3344.05	38210.49	3344.07	79647.93	32.42	
19	Nandurbar	39438.28	2689.61	0.00	8861.48	50989.36	3145.07	47844.30	17367.55	0.00	3065.27	20432.82	3065.28	27492.62	42.71	
20	Nashik	133969.12	13444.75	0.00	48110.20	195524.07	10532.66	184991.41	104572.27	0.00	3593.64	108165.87	3593.61	84044.51	58.47	
21	Osmanabad	61058.00	6445.35	2583.65	15716.20	88803.20	4326.69	81476.51	48272.70	0.00	2315.87	50588.61	2315.85	31057.67	62.09	
22	Palghar	16230.20	237.02	0.00	3162.60	19629.82	1278.19	18351.63	3301.38	0.00	837.28	4138.64	837.30	14212.99	22.55	
23	Parbhani	58636.77	1785.50	645.43	26071.85	87139.55	4409.73	82729.82	36212.33	0.00	1950.18	38162.49	1950.17	44567.35	46.13	
24	Pune	95870.06	19431.62	1192.62	67959.95	184454.25	9998.94	174455.41	112066.91	0.00	8174.04	120240.89	8174.07	61716.72	68.92	
25	Raigad	32261.27	408.29	0.00	5510.32	38179.88	1932.79	36247.09	4352.55	0.00	2014.90	6367.45	2014.89	29879.64	17.57	
26	Ratnagiri	38652.05	168.71	18.49	2150.25	40989.50	2291.65	38697.85	5297.34	0.00	1291.81	6589.17	1291.81	32108.88	17.03	
27	Sangli	52127.17	21434.34	128.40	65616.19	139306.10	8846.01	130460.09	69295.18	0.00	3269.54	72564.74	3269.54	58785.85	55.62	
28	Satara	53419.33	10543.20	3744.03	33927.78	101634.34	5793.70	95840.64	68292.50	0.00	4849.88	63142.47	4849.90	32698.15	65.88	
29	Sindhudurg	20638.77	186.03	3.83	2156.58	22985.21	1155.42	21829.79	7087.53	0.00	2215.11	9302.65	2215.11	12527.14	42.61	
30	Solapur	91229.03	10919.78	2954.03	40102.16	145205.00	7294.46	137910.54	102924.75	0.00	4865.73	107790.48	4865.73	37137.73	78.16	
31	Thane	14840.38	285.66	0.00	2228.47	17354.51	951.60	16402.91	2397.66	0.00	713.64	3111.28	713.64	13291.63	18.97	
32	Wardha	59859.59	1393.53	1437.36	21822.72	84513.20	4314.78	80198.42	42162.18	0.00	3404.56	45566.79	3404.57	34631.62	56.82	
33	Washim	42735.86	2823.67	68.85	12795.21	58423.59	3110.03	55313.56	31144.78	0.00	2006.62	33151.47	2006.63	22162.09	59.93	
34	Yavatmal	98127.02	2934.50	5793.56	18140.42	124995.50	6367.98	118627.52	35679.35	0.00	7434.14	43113.46	7434.16	75593.53	36.34	
Total (Ham)		2065999.15	238081.03	52861.10	844522.81	3201464.09	176418.77	3025045.32	1529132.70	341.94	133963.94	1663438.97	133963.95	1419526.41	54.99	
Total (Bcm)		20.66	2.38	0.53	8.45	32.01	1.76	30.25	15.29	0.00	1.34	16.63	1.34	14.20	54.99	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
MANIPUR																
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season					Total Annual Ground Water Recharge	Irrigation	Industrial	Domestic				Total
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources										
1	Bishnupur	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Bishnupur	9572.60	0.06	2257.53	14.68	11844.87	1184.48	10660.39	57.00	0.00	277.20	334.20	290.93	10312.46	3.13	
2	Churachandpur	6707.10	0.00	1510.99	15.33	8233.42	823.34	7410.08	60.00	0.00	191.00	251.00	192.05	7158.03	3.39	
3	Imphal East	11895.89	63.52	2713.54	136.34	14809.29	1480.93	13328.36	33.00	18.00	500.10	551.10	502.75	12774.61	4.13	
4	Imphal West	6297.13	0.02	2327.91	28.51	8653.56	865.35	7788.21	105.00	6.00	568.01	679.01	571.06	7106.15	8.72	
5	Thoubal	5799.77	0.02	2075.40	24.16	7899.35	789.94	7109.41	90.00	0.00	462.92	552.92	465.39	6554.02	7.78	
	Total (Ham)	40272.49	63.62	10885.37	219.02	51440.49	5144.04	46296.45	345.00	24.00	1999.23	2368.23	2022.18	43905.27	5.12	
	Total (Bcm)	0.40	0.001	0.11	0.002	0.51	0.05	0.46	0.003	0.0002	0.02	0.02	0.02	0.44	5.12	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
MEGHALAYA															
S. No.	Name of District	Ground Water Recharge				Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	East Garo Hills	5190.20	41.55	1563.67	12.10	6807.52	680.76	6126.76	0.00	0.00	414.72	414.72	481.84	5644.92	6.77
2	East Jaintia Hills	14784.52	10.60	4900.80	0.66	19696.58	1969.66	17726.93	0.00	4.00	171.06	175.06	208.68	17514.25	0.99
3	East Khasi Hills	8401.62	64.60	1600.94	22.38	10089.54	1008.95	9080.59	0.00	10.00	694.61	704.61	806.61	8263.98	7.76
4	North Garo Hills	9615.24	75.88	2901.10	5.67	12597.89	1514.64	11083.25	51.00	0.00	437.47	488.47	508.68	10523.57	4.41
5	Ri-Bhoi	6905.74	191.10	1487.24	186.69	8770.77	877.07	7893.70	0.00	10.00	332.56	342.56	455.25	7428.45	4.34
6	South Garo Hills	8018.55	61.70	1900.06	39.31	10019.62	1001.97	9017.65	0.00	0.00	268.39	268.39	327.47	8690.18	2.98
7	South West Garo Hills	8798.49	82.60	2172.05	1023.93	12077.07	2211.14	9865.93	2655.40	0.00	266.91	2922.31	312.55	6897.98	29.62
8	South West Khasi Hills	14011.54	26.55	1974.64	6.40	16019.13	1601.91	14417.22	0.00	0.00	131.36	131.36	158.23	14258.99	0.91
9	West Garo Hills	32343.03	109.75	6677.30	148.69	39278.77	4161.18	35117.59	102.00	0.00	1075.14	1177.13	1260.45	33755.15	3.35
10	West Jaintia Hills	13462.99	79.23	4462.73	9.98	18014.93	1801.49	16213.43	8.50	5.00	569.17	582.66	679.77	15520.17	3.59
11	West Khasi Hills	44087.07	118.00	6213.17	38.71	50456.95	5045.70	45411.25	0.00	0.00	462.70	462.70	550.86	44860.39	1.02
	Total (Ham)	165618.99	861.56	35853.70	1494.52	203828.77	21874.47	181954.30	2816.90	29.00	4824.09	7669.97	5750.39	173358.03	4.22
	Total (Bcm)	1.66	0.01	0.36	0.01	2.04	0.22	1.82	0.03	0.0003	0.05	0.08	0.06	1.73	4.22

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
MIZORAM															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Aizawl	1295.35	0.00	340.78	0.00	1636.13	163.59	1472.54	0.00	0.00	199.09	199.09	229.32	1243.19	13.52
2	Champhai	1463.47	0.00	276.42	0.00	1739.89	174.00	1565.89	0.00	0.00	45.40	45.40	49.88	1516.02	2.90
3	Kolasib	2276.06	0.00	504.21	0.00	2780.27	278.03	2502.24	0.00	0.00	31.23	31.23	36.39	2465.85	1.25
4	Lawngtlai	2957.86	0.00	289.53	0.00	3247.39	324.74	2922.65	0.00	0.00	100.62	100.62	123.67	2798.98	3.44
5	Lunglei	5011.49	0.00	467.78	0.00	5479.27	547.93	4931.34	0.00	0.00	197.92	197.92	212.41	4718.94	4.01
6	Mamit	4366.62	0.00	1240.65	0.00	5607.27	560.74	5046.53	0.00	0.00	98.54	98.54	123.16	4923.38	1.95
7	Salha	724.03	0.00	84.86	0.00	808.89	80.88	728.01	0.00	0.00	40.72	40.72	45.65	682.35	5.59
8	Serchhip	785.67	0.00	116.39	0.00	902.06	90.21	811.85	0.00	0.00	48.65	48.65	54.36	757.49	5.99
Total (Ham)		18880.55	0.00	3320.62	0.00	22201.17	2220.12	19981.05	0.00	0.00	762.17	762.17	874.84	19106.20	3.81
Total (Bcm)		0.19	0.00	0.03	0.00	0.22	0.02	0.20	0.00	0.00	0.01	0.01	0.01	0.19	3.81

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
NAGALAND																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total										
1	Dimapur	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Dimapur	19077.02	17135.18	3711.57	1688.08	41611.85	4161.19	37450.66	208.84	2.70	815.99	1027.53	933.25	36305.86	2.74	
2	Kiphire	3227.86	4797.30	1428.31	246.78	9700.25	970.03	8730.22	0.00	0.00	0.00	11.65	11.65	8718.56	0.13	
3	Kohima	9012.81	6448.32	1481.68	326.16	17268.97	1726.89	15542.08	0.00	0.60	219.82	220.42	249.54	15291.95	1.42	
4	Longleng	2883.22	3431.34	399.66	176.04	6890.26	689.03	6201.23	0.00	0.00	18.54	18.54	18.54	6182.69	0.30	
5	Mokokchung	10684.55	6511.14	2989.47	480.60	20665.76	2066.58	18599.18	0.00	0.12	72.35	72.47	72.35	18526.71	0.39	
6	Mon	8986.71	8138.04	1950.44	1100.28	20175.47	2017.55	18157.92	0.00	0.00	201.26	201.26	201.26	17956.65	1.11	
7	Peren	7437.65	6352.62	2033.58	565.44	16389.29	1638.93	14750.36	0.00	0.00	89.84	89.84	92.57	14657.79	0.61	
8	Phek	8700.39	2360.16	2644.20	462.78	14167.53	1416.76	12750.77	0.00	0.00	39.92	39.92	42.35	12708.43	0.31	
9	Tuensang	17944.92	7117.02	5009.35	450.90	30522.19	3052.21	27469.98	0.00	0.00	90.75	90.75	98.90	27376.08	0.33	
10	Wokha	11598.37	7516.68	2920.56	437.40	22473.01	2247.31	20225.70	0.00	0.00	184.44	184.44	183.31	20037.40	0.91	
11	Zunheboto	8020.13	6283.98	2243.98	240.84	16788.93	1678.89	15110.04	0.00	0.00	66.36	66.36	66.36	15043.68	0.44	
	Total (Ham)	107573.63	76091.78	26812.80	6175.30	216653.51	21665.37	194988.14	208.84	3.42	1810.92	2023.18	1970.08	192805.80	1.04	
	Total (Bcm)	1.08	0.76	0.27	0.06	2.17	0.22	1.95	0.0021	0.00003	0.02	0.02	0.02	1.93	1.04	

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
ODISHA																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Angul	42123.33	8245.72	3946.78	5213.93	59529.76	4452.37	55077.39	20250.43	988.34	4297.50	25536.27	4916.11	28922.49	46.36	
2	Balasore	53935.11	30857.61	17135.34	29372.84	131300.90	10016.87	121284.03	61512.34	909.44	6171.49	68593.27	7947.22	52127.95	56.56	
3	Bargarh	39883.47	11467.68	136.38	63315.96	47721.20	58594.76	25718.09	326.08	4531.13	30435.30	4861.23	28375.41	51.94		
4	Bhadrak	17772.06	15468.15	4479.02	19064.75	56783.98	5455.36	51328.62	27199.14	333.71	2661.89	30194.74	4629.46	20912.13	58.83	
5	Bolangir	44751.80	6656.77	898.73	7584.45	59891.75	4377.37	55514.38	20203.60	214.72	5332.90	25751.22	6244.53	13252.00	46.39	
6	Boudh	18221.67	2936.05	449.44	4055.18	25662.34	2102.00	23560.34	8748.53	42.88	1366.09	10157.50	1516.93	37210.24	43.11	
7	Cuttack	39498.24	14352.19	9049.08	10212.02	73111.53	6119.24	66992.29	21102.98	564.92	7514.94	29182.85	8114.15	37210.24	43.56	
8	Deogarh	20728.22	5484.66	1223.69	6203.84	33640.41	2951.19	30689.22	15353.55	207.95	932.61	16494.11	1009.97	14117.77	53.75	
9	Dhenkanal	29856.44	9441.84	5442.07	3509.78	48250.13	3525.56	44724.57	12370.81	291.34	3654.11	16316.26	3895.50	28166.89	36.48	
10	Galapati	12910.09	1889.41	4946.34	2166.60	21912.44	2051.13	19861.31	4875.80	109.38	1671.43	6656.61	1771.04	13105.11	33.52	
11	Ganjam	44501.12	26289.62	17236.11	13517.82	101544.67	8582.37	92962.30	23498.20	1460.78	10805.69	35764.68	12346.97	55910.43	38.47	
12	Jagatsinghpur	16828.01	15431.15	4359.43	11488.23	48106.82	4526.39	43580.43	21482.10	482.52	2370.54	24335.16	3219.49	19154.54	55.84	
13	Jajpur	32439.37	9986.07	7250.92	7290.71	56967.07	4776.26	52190.81	28635.65	358.80	4702.13	33696.58	5505.05	18185.95	64.56	
14	Jharsuguda	16904.76	1242.16	221.66	1691.10	20059.68	1501.58	18558.10	5801.91	833.28	2367.38	9002.57	2717.15	9205.75	48.51	
15	Kalahandi	45664.16	9661.16	1926.11	8961.69	66213.12	5162.06	61051.06	18949.10	644.02	4803.23	24396.35	5323.94	36133.95	39.96	
16	Kandhamal	26251.55	2122.44	4436.16	2900.30	35710.45	2869.73	32840.72	7005.32	157.43	2243.84	9406.59	2396.49	23281.50	28.64	
17	Kendrapara	6658.70	9463.64	1731.64	8390.19	26244.17	2309.38	23934.79	9202.83	145.40	1136.84	10485.07	4395.05	13372.82	43.81	
18	Keonjhar	55950.32	11788.53	11495.85	8964.13	89098.83	7919.72	81179.11	27552.61	541.85	5984.28	34078.74	6604.91	46479.77	41.98	
19	Khurda	23748.04	7792.40	6000.27	8986.86	46527.57	3745.76	42781.81	15789.85	1845.35	6810.59	24445.79	7983.59	18183.64	57.14	
20	Koraput	41774.15	3838.75	4155.74	5759.30	55527.94	4593.79	50934.15	5955.63	575.28	4344.40	10875.31	4827.20	39576.03	21.35	
21	Malikangiri	24241.28	3944.23	1152.11	4101.58	33439.20	2971.57	30467.63	3048.64	0.00	1994.29	5042.93	2256.78	25162.18	16.55	
22	Mayurbhanj	85566.10	19024.07	18391.17	23689.91	147671.25	10617.61	137053.64	48251.04	195.46	7643.41	56089.91	8297.08	80310.10	40.93	
23	Nabarangapur	50789.01	3054.23	3944.29	3960.07	61747.60	4902.83	56844.77	15224.73	155.23	3738.40	19118.36	4141.86	37322.96	33.63	
24	Nayagarh	22987.19	4543.21	5223.69	5964.22	38718.31	2820.30	35896.01	10896.36	19.89	3207.69	14123.94	8151.34	21461.60	39.34	
25	Nuapada	22077.90	4755.56	706.77	4475.91	32016.14	2786.91	29229.23	16020.37	92.31	1861.69	17974.37	2030.79	11085.77	61.49	
26	Puri	30114.07	10788.78	7134.83	16395.63	64433.31	4885.97	59547.34	25540.45	0.00	4846.58	30387.03	6169.99	28670.51	51.03	
27	Ravagada	24634.67	3347.22	4565.28	2512.03	35059.20	2611.12	32448.08	5993.67	672.13	2931.97	9597.77	3199.55	22582.72	29.58	
28	Sambalpur	45947.10	6636.67	311.18	10572.54	63467.49	5393.02	58074.47	12396.63	957.58	3145.44	16499.66	3356.47	41363.80	28.41	
29	Subarnapur	18951.66	3373.30	155.57	4280.89	26761.42	1975.94	24785.48	9384.36	58.48	1854.45	11297.29	1988.05	13354.58	45.58	
30	Sundargarh	69611.97	7402.83	2479.81	6182.00	85676.61	6372.00	79304.61	21873.00	2125.10	5957.88	29955.98	6671.02	48635.51	37.77	
Total (Ham)		1026321.56	271286.10	150585.46	260196.93	1708390.05	137096.60	1571293.39	549697.72	15309.65	120884.86	685892.22	146488.91	874475.65	43.65	
Total (Bcm)		10.26	2.71	1.51	2.60	17.08	1.37	15.71	5.50	0.15	1.21	6.86	1.46	8.74	43.65	

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
PUNJAB																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources											
1	Amritsar	30246.39	81171.44	7081.70	37732.05	156231.58	14095.72	142135.86	231752.99	0.00	6118.31	237871.28	14	15	16	
1	Barnala	12024.40	27036.29	1666.75	19339.02	60066.46	6006.65	54059.81	111928.33	0.00	2421.33	114349.67	2601.73		167.35	
2	Barnala	10240.40	27036.29	1666.75	19339.02	60066.46	6006.65	54059.81	111928.33	0.00	2421.33	114349.67	2601.73		211.52	
3	Bathinda	20865.88	69222.77	4288.38	42111.85	136488.88	13648.89	122839.99	125652.69	0.00	5623.60	131276.27	6032.27	16351.76	106.87	
4	Fafridkot	11820.77	43654.25	1935.26	21663.46	79073.74	7907.38	71166.36	96187.46	0.00	2482.01	98669.47	2649.10		138.65	
5	Fatehgarh Sahib	15510.46	25160.19	2491.58	19557.80	62720.03	6272.01	56448.02	111794.17	0.00	2435.62	114229.78	2617.09		202.36	
6	Fazilka	17160.61	53379.95	3553.68	29992.97	104087.21	10408.72	93678.49	69207.44	0.00	4485.04	73692.47	4563.13	30009.50	78.67	
7	Ferozpur	17408.13	81247.11	3062.59	47139.27	148857.10	14885.71	133971.40	176083.52	0.00	3079.35	179162.89	3132.96	0.00	133.73	
8	Gurdaspur	37602.34	91102.61	8668.80	46367.17	183740.92	16447.72	167293.20	201952.04	0.00	6255.43	208207.47	6364.34	6611.82	124.46	
9	Hoshiarpur	43331.75	26967.03	9165.17	17711.60	97175.55	8249.31	88926.24	85082.58	0.00	5907.19	90989.79	6010.06	13474.80	102.32	
10	Jalandhar	31116.88	39687.34	6051.18	36295.24	113150.64	10713.84	102436.80	251910.53	0.00	11954.52	263865.05	12162.66		257.59	
11	Kapurthala	17460.87	37042.94	2309.62	17544.56	74357.99	7435.81	66922.18	144594.63	0.00	3051.64	147646.25	3104.78		220.62	
12	Ludhiana	39571.10	85019.31	6801.01	51055.03	182446.45	18244.64	164201.81	333423.17	0.00	13305.85	346729.02	13553.96		211.16	
13	Mansa	14600.38	53424.87	3015.65	35633.51	106674.41	10667.45	96006.96	145003.12	0.00	2869.29	147872.41	2919.24		154.02	
14	Moga	19045.87	52800.42	3611.96	24797.07	100255.32	10025.54	90229.78	222261.32	0.00	3678.05	225939.38	3742.10		250.40	
15	Muktsar	17456.05	61883.00	3868.02	45742.07	128949.14	12894.91	116054.23	47104.28	0.00	3369.00	50473.28	3427.66	65522.29	43.49	
16	Nawanshahr	14961.92	32545.09	2644.72	18319.99	68471.72	6847.18	61624.54	69984.97	0.00	2292.88	72277.85	2332.80	3594.93	117.29	
17	Pathankot	11415.43	17734.28	2609.41	9741.37	41500.49	4150.05	37350.44	17354.51	0.00	2517.86	19872.38	2561.71	17434.21	53.21	
18	Patiala	40795.53	49284.25	6088.51	43284.88	139213.17	13221.64	126131.53	278538.39	0.00	7062.23	285600.63	7185.19	0.00	228.43	
19	Ropar	15453.20	14259.59	2724.13	12118.49	44555.41	3577.86	40977.55	38798.01	0.00	2550.34	41348.38	2594.75	6083.45	100.90	
20	S.A.S Nagar	15697.93	6332.71	3175.73	4323.89	29530.26	2655.87	26874.39	24267.79	0.00	4004.37	28272.17	4302.72	2558.01	105.20	
21	Sangur	33711.30	52498.95	5324.79	32657.78	124192.82	12419.28	111773.54	331513.91	0.00	5617.31	337131.21	5715.12	0.00	301.62	
22	Tarn Taran	23779.36	40900.63	5249.60	27745.42	97675.01	9767.51	87907.50	165811.66	0.00	4180.28	169991.95	4253.06	0.00	193.38	
	Total (Ham)	501036.55	1042355.02	95388.24	640874.49	2279654.30	220643.69	2059010.61	3280207.50	0.00	105261.50	3385469.05	108378.36	161640.77	164.42	
	Total (Bcm)	5.01	10.42	0.95	6.41	22.80	2.21	20.59	32.80	0.00	1.05	33.85	1.08	1.62	164.42	

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
RAJASTHAN																
S. No.	Name of District	Ground Water Recharge						Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Ajmer	25228.61	1333.23	67.89	14620.62	41250.35	4042.84	37207.51	61285.80	0.00	4270.52	65556.32	4270.52	0.00	176.19	
2	Alwar	60356.26	1036.55	1864.89	4815.76	68073.46	6286.01	61787.45	111636.96	5019.56	12743.61	129400.14	12743.61	0.00	209.43	
3	Banswara	10031.40	225.32	0.00	10027.65	20284.37	2028.44	18255.93	9683.01	0.00	2163.79	11846.81	2163.78	6413.46	64.89	
4	Baran	45589.07	4421.80	0.00	18775.41	68786.28	6399.05	62387.23	65222.81	0.00	6207.26	71430.07	6207.26	7281.37	114.49	
5	Barmer	34497.75	432.09	199.13	2239.72	37368.69	3394.30	33974.38	36162.09	0.00	6439.43	42601.54	7670.80	1890.03	125.39	
6	Bharatpur	25726.82	1445.85	663.64	5183.97	33020.28	3203.92	29816.35	35445.92	425.43	5088.75	40960.10	6092.05	66.21	137.37	
7	Bhilwara	29011.57	332.53	1884.35	11959.97	43188.42	4311.19	38877.22	53065.49	0.00	4835.15	57900.67	4835.14	1401.90	148.93	
8	Bikaner	28639.77	830.04	6698.08	1711.62	37879.51	3394.98	34484.53	40642.85	0.00	7997.26	48640.12	7997.26	5217.92	141.05	
9	Bundi	18242.78	1224.68	0.00	14179.82	33647.28	3294.44	30352.82	26164.40	0.00	3537.23	29701.62	3537.22	4853.45	97.85	
10	Chittaurgarh	26356.67	1867.00	1244.29	13638.83	43106.79	4273.49	38833.29	57837.94	1213.07	1543.90	60594.91	1543.89	24.77	156.04	
11	Churu	11301.83	12.69	1221.79	365.17	12901.48	1290.16	11611.32	10753.70	0.00	2656.47	13410.16	2656.48	1799.66	115.49	
12	Dausa	24153.82	249.88	66.00	2960.93	27430.63	2743.07	24687.56	49482.21	0.00	3921.82	53404.04	3921.83	0.00	216.32	
13	Dhaulpur	18236.14	1268.19	443.04	5129.12	25076.49	1895.45	23181.04	28622.04	15.03	3301.30	31938.36	3301.30	269.13	137.78	
14	Dungarpur	10038.64	1760.88	313.29	7621.56	19734.37	1973.46	17760.91	9062.64	0.00	843.81	9906.46	843.81	7854.45	55.78	
15	Ganganagar	5362.67	16156.82	1587.28	25830.78	48937.55	4325.09	44612.46	17352.44	0.00	33.67	17386.10	63.49	27226.37	38.97	
16	Hanumangarh	5347.30	6890.83	1583.96	8418.59	22240.68	2159.42	20081.26	11859.00	0.00	850.15	12709.15	1094.45	7372.11	63.29	
17	Jaipur	67546.48	2073.35	584.25	7511.09	77715.17	7771.53	69943.64	109676.81	3851.72	48192.87	161721.43	48192.86	0.00	231.22	
18	Jaisalmer	7906.18	304.47	325.92	913.40	9449.97	945.00	8504.97	24357.56	0.00	2741.58	27099.13	2741.57	0.00	318.63	
19	Jalore	42489.21	1576.22	0.00	11889.22	55954.65	5393.43	50561.22	90890.21	0.00	4186.08	95076.31	4229.28	1350.09	188.04	
20	Jhalawar	39501.08	2773.79	0.00	12723.91	54988.78	5284.28	49714.49	52632.47	0.00	3584.73	56217.16	3584.73	5422.11	113.08	
21	Jhunjhunun	21604.23	296.41	1448.35	1482.03	24831.02	2483.12	22347.90	35569.02	0.00	11482.48	47051.50	11531.53	0.00	210.54	
22	Jodhpur	33250.31	729.37	1169.67	2845.68	37995.03	3691.77	34303.26	71501.08	0.00	15653.64	87154.73	15900.80	732.80	254.07	
23	Karauli	28404.44	493.35	1057.52	4155.72	34111.03	3286.11	30824.92	43466.39	0.00	4808.02	48274.43	4808.02	1640.09	156.61	
24	Kota	29223.01	2595.11	0.00	18094.52	49912.64	4991.27	44921.37	35688.23	0.00	7296.40	42984.61	7296.41	7033.32	95.69	
25	Nagaur	48061.87	177.80	1380.13	3935.98	53555.78	4731.41	48824.36	82274.92	0.00	13933.66	96208.60	14476.86	280.21	197.05	
26	Pali	28632.36	786.53	0.00	3484.46	32903.35	3290.37	29612.98	41224.14	0.00	3140.36	44364.49	3144.97	497.18	149.81	
27	Pratapgarh	14063.20	169.69	647.52	7344.23	22224.64	2045.86	20178.77	25014.94	0.00	520.14	25535.09	520.15	1225.10	126.54	
28	Rajsamand	8092.47	317.26	9.26	3028.23	11447.22	1096.87	10350.35	9916.66	256.30	2138.37	12311.36	2138.37	478.12	118.95	
29	Sawai Madhopur	27299.42	1942.60	0.00	8890.04	38132.06	3813.21	34318.85	56358.79	0.00	7836.38	64195.21	7836.38	0.00	187.06	
30	Sikar	30938.42	1187.97	4924.70	1979.22	39030.31	3701.37	35328.94	49295.17	0.00	11413.89	60709.06	11413.89	385.42	171.84	
31	Sirohi	24865.07	547.74	0.00	2035.40	27448.21	2744.83	24703.38	29659.80	327.00	1558.40	31545.22	1558.40	1320.04	127.70	
32	Tonk	28339.46	2297.11	0.00	10053.33	40689.90	3658.11	37031.79	31925.48	0.00	5686.61	37612.12	5686.62	5097.20	101.57	
33	Udaipur	21414.21	520.39	0.00	9155.41	31090.01	3109.01	27981.01	23157.91	1955.92	2911.42	28025.30	2911.41	1676.56	100.16	
	Total (Ham)	879752.52	58277.54	29384.95	257001.39	1224416.40	117052.86	1107363.46	1436888.85	13064.03	213519.14	1663472.32	216915.14	98809.07	150.22	
	Total (Bcm)	8.80	0.58	0.29	2.57	12.24	1.17	11.07	14.37	0.13	2.14	16.63	2.17	0.99	150.22	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
SIKKIM																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	East	13769.38	0.00	0.00	0.00	13769.38	1376.94	12392.44	0.00	91.54	271.01	362.55	688.14	11612.77	2.93	
2	North	63769.76	0.00	0.00	0.00	63769.76	6376.98	57392.78	0.00	0.00	37.09	37.09	94.17	57298.61	0.06	
3	South	6614.02	0.00	0.00	0.00	6614.02	661.40	5952.62	0.00	83.16	135.78	218.94	344.75	5524.71	3.68	
4	West	11896.96	0.00	0.00	0.00	11896.96	1189.70	10707.26	0.00	0.00	124.53	124.53	316.20	10391.06	1.16	
	Total (Ham)	96050.12	0.00	0.00	0.00	96050.12	9605.02	86445.10	0.00	174.70	568.41	743.11	1443.26	84827.15	0.86	
	Total (Bcm)	0.96	0.00	0.00	0.00	0.96	0.10	0.86	0.00	0.00	0.01	0.01	0.01	0.85	0.86	

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
TAMIL NADU																
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total				
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Ariyalur	18394.24	18888.59	2555.34	1710.97	41549.14	3871.58	37677.56	14318.00	0.00	972.91	15290.90	1052.41	22307.16	40.58	
2	Chengalpattu	19018.25	31821.01	6.24	2411.59	53257.09	5227.37	48029.72	32704.52	546.80	1137.72	34389.02	1259.10	14087.01	71.60	
3	Chennai	4276.33	558.10	216.29	185.95	5236.67	518.92	4717.75	241.05	1914.64	4601.06	6756.72	4633.31	572.90	57.20	
4	Coimbatore	19884.52	16371.35	3032.65	9362.26	48650.78	4743.27	43907.51	44737.00	483.01	4415.54	49635.60	4796.26	4130.24	113.05	
5	Cuddalore	16047.48	47709.53	7604.28	14833.81	86195.10	8515.68	77679.42	57970.79	1053.80	7677.42	66702.03	7885.93	21388.14	85.87	
6	Dharmapuri	17992.27	10404.79	2685.36	9539.28	40621.70	3914.19	36707.51	40988.15	12.60	3184.04	44184.81	8615.42	2652.30	120.37	
7	Dindigul	16954.55	25490.31	1900.40	10364.91	54710.17	5471.07	49239.10	57604.36	217.90	3680.14	61502.41	3951.82	9021.46	124.91	
8	Erode	14780.37	37362.81	3635.10	9925.64	65703.92	6237.95	59465.96	57899.30	193.02	6389.51	64481.82	18345.24	3904.35	108.43	
9	Kallakurichi	19286.24	28264.92	12373.71	8493.49	68418.36	6718.97	61699.39	51598.01	31.60	3138.88	54768.49	3159.60	10021.86	88.77	
10	Kancheepuram	16254.98	22915.01	29.60	6639.50	45839.09	4138.91	41700.19	21698.52	1181.50	859.51	23739.53	924.41	18370.94	56.93	
11	Kanniyakumari	6280.63	15764.92	1944.60	4196.64	28186.79	2747.26	25439.53	3961.60	211.41	853.40	5026.37	913.87	20955.83	19.76	
12	Karur	11455.44	13675.39	2623.56	2541.53	30295.92	2982.18	27313.74	27672.86	214.56	1008.71	28896.11	1087.61	4500.80	105.79	
13	Krishnagiri	17565.97	17462.09	2748.45	7766.40	44542.91	4400.72	41142.19	39233.20	1073.10	3986.90	44293.19	9836.46	4458.84	107.66	
14	Madurai	23069.49	29627.51	3160.92	11487.47	67345.39	6550.27	60795.13	37692.26	1009.70	3383.61	42085.52	3534.46	22609.98	69.23	
15	Nagapattinam	7004.73	4598.75	174.21	300.19	12077.88	1207.79	10870.09	14322.99	0.00	960.80	15283.78	1566.86	622.93	140.60	
16	Namakkal	20489.02	14612.50	4640.01	3113.56	42855.09	4285.56	38569.53	50663.88	57.50	1550.85	52272.21	1661.17	7293.50	135.53	
17	Perambalur	9486.75	10711.09	715.74	2959.35	23872.93	2387.31	21485.62	24733.40	0.00	657.75	25391.14	711.52	5786.71	118.18	
18	Pudukkottai	36670.97	60538.64	4434.57	4967.63	106611.81	10469.86	96141.95	43627.36	0.00	1739.91	45367.30	1882.08	50661.05	47.19	
19	Ramanathapuram	25925.73	40116.62	4366.17	7150.55	77559.07	7671.00	69888.07	5938.64	0.00	1405.08	7343.72	1892.69	62457.12	10.51	
20	Ranipet	15060.12	13640.59	2272.37	1111.57	32084.65	3208.49	28876.17	24215.42	1091.20	1200.27	26506.88	2006.76	4046.25	91.79	
21	Salem	19063.63	23103.66	1706.95	7480.34	51354.58	5112.99	46241.57	65802.06	14.60	4906.98	70723.54	13277.35	10870.52	152.94	
22	Sivaganga	29475.64	32179.39	2800.34	1049.57	65504.94	6453.07	59051.87	12751.48	0.00	2532.30	15283.77	6851.96	39448.48	25.88	
23	Tenkasi	10786.63	32622.57	3637.76	2218.01	49264.97	4884.66	44380.32	38217.43	173.60	1842.04	40233.08	1975.57	27256.02	90.66	
24	Thanjavur	44861.47	31650.81	7628.47	6514.66	90655.41	8975.28	81680.12	83201.68	131.00	2819.40	86152.07	2921.66	21368.43	105.47	
25	The Nilgiris	8018.46	357.54	1279.14	155.86	9811.00	981.09	8829.91	595.00	48.42	997.17	1640.57	1835.92	6547.16	18.58	
26	Theni	6744.92	21722.00	5589.77	4343.88	38400.57	3840.06	34560.51	24893.49	57.98	1224.87	26176.34	1270.84	8821.63	75.74	
27	Thiruvallur	52490.70	29458.56	52.79	6593.62	88595.67	8244.91	80350.76	43350.32	3336.48	4851.92	51538.74	6511.82	28590.15	64.14	
28	Thiruvannar	7655.24	17694.98	389.91	1499.12	27239.25	2723.95	24515.31	20228.15	19.25	1986.41	22233.84	3507.92	5581.81	90.69	
29	Thoothukkudi	19749.66	24603.43	3091.47	5797.82	53242.38	5069.47	48172.91	20101.70	155.00	1425.66	21682.34	1506.32	28441.22	45.01	
30	Tiruchirappalli	19657.35	44195.08	2586.98	7536.49	73975.90	7195.05	66780.85	52797.68	152.00	5000.71	57950.38	8217.82	21738.93	86.78	
31	Tirunelveli	27076.53	30639.94	4025.75	4829.67	66571.89	6431.86	60140.03	27698.90	30.40	1002.60	28731.92	1062.47	33791.57	47.78	
32	Tirupathur	4787.14	6484.95	411.30	926.71	12610.10	1260.99	11349.10	11903.91	66.02	3512.06	15481.99	3821.94	284.58	136.42	
33	Tiruppur	16871.93	25789.27	3973.39	10052.02	56686.61	5390.16	51296.45	52856.94	251.60	2879.93	55988.43	3106.37	3489.51	109.15	
34	Tiruvannamalai	31800.51	48568.90	4079.28	32127.84	116576.53	10084.47	106492.06	103985.34	456.40	3092.21	107533.93	5858.15	6884.97	100.98	
35	Vellore	6396.47	9315.73	1131.55	4561.48	21405.23	2140.54	19264.68	21968.21	344.10	2849.74	25162.05	5770.45	1443.77	130.61	
36	Villupuram	24904.61	35320.61	17673.62	20576.76	98475.60	9847.56	88628.04	88617.45	29.00	3011.49	91657.98	3191.60	7901.29	103.42	
37	Virudhunagar	16675.69	30205.60	5319.35	9893.72	62094.36	6167.71	55926.65	31051.16	2011.67	1799.66	34862.47	1924.03	22984.27	62.34	
Total (Ham)		682914.66	904447.05	126497.39	245219.86	1959078.96	190072.12	1769006.83	1351842.21	16569.86	98539.16	1466950.98	152329.17	565293.24	82.93	
Total (Bcm)		6.83	9.04	1.26	2.45	19.59	1.90	17.69	13.52	0.17	0.99	14.67	1.52	5.65	82.93	

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
TELANGANA															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge									
1	Adilabad	23518.98	3093.24	1595.41	3008.09	31215.73	8	9	10	11	12	13	14	15	16
2	Bhadrachal	62334.41	8660.38	8741.83	9210.29	88946.91	3121.57	28094.16	11088.21	93.69	4766.07	15947.99	4766.07	12146.17	56.77
3	Hyderabad	1392.04	3.49	333.39	3.49	1732.41	1732.41	1559.17	0.00	0.00	0.00	1750.54	2018.36	0.00	112.27
4	Jagtial	18814.03	10648.21	2086.34	17169.92	48718.50	4235.27	44483.23	27245.34	0.00	999.14	28244.51	999.12	17134.13	63.49
5	Jangaon	15617.01	2436.31	2485.42	6366.56	26905.30	2690.52	24214.78	18669.07	367.39	2221.54	21257.99	2221.54	3547.19	87.79
6	Jayashankar	19464.45	5269.97	1006.51	7536.70	33277.62	3090.14	30187.49	14534.42	0.00	1252.11	15786.52	1252.11	14419.52	52.29
7	Jogulamba	8659.81	15647.88	2057.02	9374.99	35739.70	3573.99	32165.71	12738.71	98.38	481.47	13318.56	481.45	18847.15	41.41
8	Kamareddy	29644.39	6944.78	3024.48	13237.20	52850.84	5168.10	47682.74	29056.34	0.00	2050.97	31107.34	2050.98	16575.39	65.24
9	Karimnagar	16310.44	6876.03	2132.74	30542.62	55861.83	5586.18	50275.65	24508.23	91.78	1647.15	26247.18	1647.14	24113.85	52.21
10	Khammam	32508.58	34933.54	6163.33	43130.66	116736.10	11650.29	105085.81	37780.46	39.60	3768.67	41588.70	3768.67	64094.80	39.58
11	Komarambhem	35570.49	788.28	820.67	1435.92	36615.37	3086.70	35528.67	6487.09	0.00	2067.00	8554.05	2067.01	26974.62	24.08
12	Mahabubabad	26150.10	7796.88	3512.20	14412.96	51872.14	5187.28	46684.86	25102.86	1052.28	1503.41	27658.57	1503.41	19034.24	59.25
13	Mahabubnagar	12051.88	3822.94	2557.81	7203.39	25636.03	2410.44	23225.58	17743.81	32.00	850.53	18626.34	850.54	4682.83	80.20
14	Mancherial	52883.45	21950.84	446.72	17738.33	93019.33	7508.99	85510.34	20541.33	148.75	6517.44	27207.52	6517.44	58302.82	31.82
15	Medak	19297.86	9570.17	2776.51	12415.69	44060.23	4343.04	39717.19	25614.91	141.16	825.70	26581.77	825.70	13135.42	66.93
16	Medchal	6346.52	815.01	1348.63	1382.75	9892.91	989.28	8903.63	3438.78	1505.60	1067.12	6011.52	1067.12	2892.11	67.52
17	Mulug	23641.35	5969.12	1932.83	8432.90	39976.21	3997.64	35978.57	15807.78	37.57	198.10	16043.44	198.09	19935.13	44.59
18	Nagarkurnool	27095.82	4968.34	7025.10	9041.39	48130.66	4813.09	43317.57	24731.66	127.12	5003.20	29862.00	5003.19	13474.85	68.94
19	Nalgonda	36370.33	34403.22	8545.77	43366.36	122685.67	12183.56	110502.11	47544.69	2596.16	5542.71	55683.53	5542.72	55204.42	50.39
20	Narayanpet	9665.91	8957.20	2337.25	8561.13	29521.50	2952.17	26569.33	12197.94	379.03	58.18	12635.15	58.17	13934.18	47.56
21	Nirmal	28589.72	8178.28	2175.45	12910.32	51853.77	5087.25	46766.52	18586.19	0.00	1840.86	20427.10	1840.84	26339.42	43.68
22	Nizamabad	39765.93	16014.93	3522.02	22496.68	81799.56	8179.97	73619.60	51729.34	194.52	1944.54	53868.41	1944.54	20692.52	73.17
23	Peddapalle	15796.65	4444.77	1603.25	26518.36	48363.03	3902.40	44460.63	18460.14	0.00	1561.77	20021.89	1561.77	24442.11	45.03
24	Rajanna	14453.61	3610.11	2051.95	6229.01	26344.67	2634.49	23710.18	25854.46	135.54	569.70	26559.70	569.71	2300.63	112.02
25	Rangareddy	26084.28	4038.11	6193.31	6043.43	42339.12	4233.97	38105.15	24129.71	1701.84	4936.10	30767.67	4936.10	7459.98	80.74
26	Sangareddy	21759.89	4089.32	4970.77	5671.63	36491.61	3575.74	32915.86	20410.94	301.21	2171.20	22883.37	2171.20	10344.26	69.52
27	Siddipet	22936.68	9656.88	4317.55	16748.55	53659.65	5365.99	48293.66	36649.84	247.82	969.28	37866.96	969.28	10448.43	78.41
28	Suryapet	22902.26	53466.56	3509.49	54329.06	134207.37	13420.75	120786.62	31331.39	38.16	2562.87	33932.44	2562.86	86913.23	28.09
29	Vikarabad	21417.22	2075.60	3143.47	5520.89	32157.18	3044.36	29112.82	16581.64	33.65	2768.12	19383.43	2768.12	9729.39	66.58
30	Wanaparthy	8998.53	5048.28	10289.35	7168.27	31504.43	3094.89	28409.53	11954.01	0.00	1306.33	13260.32	1306.33	15149.50	46.68
31	Warangal Rural	19164.15	10249.42	2243.65	24970.10	56627.32	5539.56	51087.75	19725.88	1376.55	349.06	21451.49	505.54	29481.87	41.99
32	Warangal Urban	11101.28	3564.15	3785.00	6195.92	21239.84	2097.03	19142.81	15842.96	0.00	1172.60	17015.55	1172.60	4405.61	88.89
33	Yadadri	19356.16	10514.91	4392.68	16506.29	50770.04	4991.49	45778.54	25676.92	1024.12	2795.82	29496.86	2795.81	16351.38	64.43
	Total (Ham)	749644.22	328507.14	109721.39	474879.83	1662752.58	160140.38	1502612.20	713488.53	14428.63	73282.50	801199.87	73706.75	713903.91	53.32
	Total (Bcm)	7.50	3.29	1.10	4.75	16.63	1.60	15.03	7.13	0.14	0.73	8.01	0.74	7.14	53.32

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
TRIPURA															
S. No.	Name of District	Ground Water Recharge				Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Dhalai	13299.86	627.91	6788.58	2913.84	23630.19	5533.75	18096.44	40.80	2.90	891.00	934.70	1011.80	17041.00	5.17
2	Gomati	14330.39	1014.36	5729.11	3656.41	24730.27	378.38	21651.89	84.00	0.12	859.63	943.76	934.71	20633.05	4.36
3	Khowai	6767.03	678.78	2710.15	2365.27	12521.23	1089.42	11431.81	306.60	2.38	631.88	940.86	679.23	10443.59	8.23
4	North Tripura	7477.90	547.36	3906.47	2098.15	14029.88	3478.86	10551.02	32.40	1.87	948.50	982.76	1049.11	9467.63	9.31
5	Siphahijala	10870.68	868.40	4039.85	3120.79	18899.72	2401.15	16498.57	703.80	1.51	982.03	1687.33	1055.63	14737.64	10.23
6	South Tripura	15127.23	853.58	4232.66	3087.70	23301.17	3909.95	19391.22	171.60	0.95	908.81	1081.38	988.18	18230.46	5.58
7	Unakoti	6288.23	531.75	2799.21	1948.38	11567.57	1303.51	10264.06	4.80	0.05	632.42	637.27	699.51	9959.70	6.21
8	West Tripura	10678.63	838.67	3749.89	3002.57	18269.76	1700.34	16569.42	624.00	5.69	2043.65	2673.32	2208.41	13731.34	16.13
	Total (Ham)	84839.95	5960.81	33955.92	22193.11	146949.79	22495.36	124454.43	1968.00	15.47	7897.90	9881.34	8626.55	113844.41	7.94
	Total (Bcm)	0.85	0.06	0.34	0.22	1.47	0.22	1.24	0.02	0.0002	0.08	0.10	0.09	1.14	7.94

Dynamic Ground Water Resources Assessment of India - 2020

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
UTTAR PRADESH																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)		
		Monsoon Season		Non-monsoon Season				Irrigation	Industrial	Domestic	Total					
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge									Total Natural Discharges	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Agra	46874.16	14095.73	652.55	23756.78	85379.22	6203.69	79175.53	82090.24	0.00	10386.66	92476.90	11671.76	4936.82	116.80	
2	Aligarh	55114.00	14673.90	3079.62	32242.43	105109.95	8674.49	96435.46	58849.03	0.00	11080.98	69930.01	12635.10	28986.07	72.51	
3	Ambedkar Nagar	51627.40	12365.43	387.87	16021.81	80402.51	7062.11	73340.40	39455.32	0.00	6033.74	54589.06	6670.83	27214.24	62.02	
4	Amethi	40352.54	20923.02	891.90	28145.88	90313.34	8286.10	82027.24	45357.00	0.00	4729.24	50086.24	5243.71	31426.53	61.06	
5	Amroha	35354.74	6202.05	2016.91	9923.03	53496.73	2674.85	50821.88	44426.08	0.00	4564.47	48990.55	5188.02	3481.23	96.40	
6	Auraiya	32998.17	12464.06	1414.93	25970.98	72848.14	6502.76	66345.38	29753.60	0.00	2811.57	32565.17	3041.69	33550.08	49.08	
7	Ayodhya	54982.69	15418.54	715.74	28749.66	98866.63	7889.13	91977.50	51372.96	0.00	6691.13	58064.09	7822.51	32782.02	63.13	
8	Azamgarh	62092.79	23175.98	0.00	35731.33	121000.10	7748.38	113251.72	64876.48	0.00	12787.70	77664.18	14836.82	33538.44	68.58	
9	Baghpat	16608.52	8267.17	1222.67	12927.22	39025.58	3119.27	35906.31	35149.16	0.00	2.45	35151.61	2.60	2419.68	97.90	
10	Bahraich	87156.59	18078.22	3863.07	31599.66	140697.54	8406.59	132290.95	62375.08	0.00	9178.60	71553.68	10470.83	59445.07	54.09	
11	Ballia	57231.32	13717.04	547.50	22032.83	93528.69	6465.43	87063.26	46915.44	0.00	7698.07	54613.51	8772.29	31375.53	62.73	
12	Balrampur	61981.74	9818.66	6270.59	17104.81	95175.80	7884.46	87291.34	43492.24	0.00	5795.61	49287.85	6750.62	37049.06	56.46	
13	Banda	49146.14	6735.10	519.80	11056.88	67457.92	4389.58	63068.34	37248.09	0.00	3762.52	41010.61	4256.96	21563.31	65.03	
14	Barabanki	73808.32	45072.05	1657.39	84096.03	204633.79	15406.27	189227.52	107211.15	0.00	8511.84	115722.99	9670.51	72345.88	61.16	
15	Bareilly	82098.23	17554.41	3109.74	29694.68	132457.06	7003.68	125453.38	72084.80	0.00	13150.76	85235.56	14695.65	41749.49	67.94	
16	Basti	63481.53	5522.12	829.32	9011.66	78844.63	6365.42	72479.21	39238.12	0.00	6212.45	45540.57	6902.14	26248.92	62.83	
17	Bijnaur	90035.80	18274.04	6117.09	32201.59	146628.52	11040.00	135588.52	86484.11	0.00	7567.86	94051.97	8345.53	40758.88	69.37	
18	Budaun	68192.08	5836.08	943.26	9595.56	84566.98	5441.57	79125.41	52939.36	0.00	8091.96	61031.32	9105.51	18340.29	77.13	
19	Bulandshahr	49271.23	43536.67	2414.01	68823.75	164045.66	12285.66	151760.00	132226.74	0.00	6449.51	138676.25	6972.13	18475.12	91.38	
20	Chandauli	32077.50	15410.99	0.00	8485.84	55974.33	4531.65	51442.68	22626.09	0.00	4439.93	27066.02	4896.29	23920.30	52.61	
21	Chitrakoot	30697.23	4131.54	305.36	6042.80	41176.93	3539.43	37637.50	28736.33	0.00	2375.04	31111.37	2726.88	6174.29	82.66	
22	Deoria	48883.60	45209.84	1534.42	45516.00	141143.86	12066.32	129077.54	69475.14	0.00	6870.06	76345.20	7468.53	52133.91	59.15	
23	Etah	34631.75	9164.26	0.00	18546.08	62342.09	5151.70	57190.39	41172.57	0.00	4426.67	45599.24	4840.12	11177.70	79.73	
24	Etawah	37198.53	15074.13	985.42	28143.00	81401.08	7023.72	74377.36	28675.37	0.00	3091.88	31767.25	3431.04	42270.94	42.71	
25	Farukhabad	36840.10	4924.99	1221.68	12972.81	55959.58	4727.45	51232.13	33753.52	0.00	3784.93	37538.45	4244.47	13234.14	73.27	
26	Fatehpur	84640.60	24327.98	3736.62	36214.51	148919.71	10830.96	138088.75	90085.36	0.00	6945.93	97031.29	7940.09	40520.76	70.27	
27	Firozabad	36615.11	11409.37	663.76	23645.80	72334.04	5335.15	66989.89	68630.88	0.00	6405.04	75035.92	7151.21	7236.25	112.00	
28	G.B. Nagar	17852.82	18170.90	938.55	30197.13	67159.40	5924.21	61235.19	60634.00	0.00	1530.81	62164.81	1620.99	3882.66	101.52	
29	Ghaziabad	13308.85	10988.67	1078.71	17617.85	42994.08	3456.81	39537.27	37002.24	0.00	8060.30	45062.54	12199.42	16780.00	113.97	
30	Ghazipur	52829.48	17785.91	959.94	29128.33	100703.66	5641.14	95062.52	51244.48	0.00	6582.80	57827.28	7362.55	36455.44	60.83	
31	Gonda	62117.13	14574.16	2546.00	21572.87	100810.16	5711.68	95098.48	48974.41	0.00	9194.93	58169.34	10644.32	35479.78	61.17	
32	Gorakhpur	81953.64	64410.14	2056.40	29233.48	177653.66	15079.09	162574.57	88464.86	0.00	8686.27	97151.13	9644.51	64465.23	59.76	
33	Hapur	40206.10	5725.02	0.00	7498.95	53430.07	4155.43	49274.64	31428.77	0.00	2125.79	33554.56	2255.14	15590.73	68.10	
34	Hazratganj	17655.02	12863.80	1372.91	20510.59	52402.32	3162.81	49239.51	49328.80	0.00	3.27	49330.07	3.56	2391.80	100.18	
35	Hardoi	104565.74	29991.19	5035.71	51362.01	190954.65	15909.95	175044.70	93874.65	0.00	8219.51	102094.16	9183.18	71986.87	58.32	
36	Hathras	26825.12	13727.91	579.02	24930.66	66062.71	5162.58	60900.13	54238.10	0.00	3966.28	58204.38	4390.96	7743.60	95.57	
37	Jalaun	77303.79	11887.53	949.23	26719.68	116860.23	9216.36	107643.87	50166.00	0.00	4162.29	54328.29	4509.25	52968.61	50.47	
38	Jaunpur	75996.21	19753.21	0.00	36126.92	131876.34	10516.36	121359.98	74007.00	0.00	12180.13	86187.13	13725.89	33627.11	71.02	
39	Jhansi	35884.12	21075.00	22.39	23350.22	80331.73	5122.30	75209.43	40434.77	0.00	3030.01	43464.78	3439.34	31335.34	57.79	
40	Kannauj	37361.83	10242.60	1667.92	24076.62	73348.97	5180.20	68168.77	39944.50	0.00	4191.18	44135.68	4685.36	28671.84	64.74	
41	Kanpur Dehat	53815.45	14683.33	461.51	27480.12	96440.41	7041.54	89398.87	61299.46	0.00	3925.70	65225.16	4202.93	23896.49	72.96	
42	Kanpur Nagar	40715.03	14570.10	2014.96	31183.44	88483.53	5876.82	93060.61	55330.64	0.00	7502.80	62833.44	8000.00	19276.06	76.06	
43	Kasganj	25330.22	14008.47	0.00	20681.08	60019.77	4222.71	55797.06	37232.13	0.00	3786.70	41018.83	4325.08	14239.95	73.51	
44	Kaushambi	32336.86	7841.99	3332.26	12394.10	55906.21	4449.76	51456.45	35109.06	0.00	4266.45	39375.51	4995.90	12138.36	76.52	
45	Kushi Nagar	54020.64	67119.23	2246.95	52044.24	175791.06	16913.59	158877.47	59050.84	0.00	8272.46	67323.30	9485.76	90340.84	42.37	
46	Lakhimpur Khiri	127372.32	25179.80	7177.41	55419.80	200857.99	10722.42	200857.99	10722.42	0.00	11307.14	121029.56	13690.09	77445.49	60.26	
47	Lalitpur	19387.84	6892.54	0.00	18060.74	44341.12	3189.85	41151.27	29491.40	0.00	3256.65	32748.05	3775.90	7883.96	79.58	
DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020

Dynamic Ground Water Resources Assessment of India - 2020

UTTAR PRADESH																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
48	Lucknow	33891.13	16500.84	1193.78	25626.73	77212.48	5774.79	71437.69	35829.96	0.00	11666.73	47496.69	13872.83	25306.78	66.49	
49	Maharajganj	67611.57	16810.53	1967.16	107526.86	7857.60	99669.26	7857.60	5353.07	0.00	67116.82	60089.89	7698.58	38617.58	60.27	
50	Mahoba	9639.68	4883.41	0.00	6948.60	21471.69	1388.53	20083.16	17677.50	0.00	1114.08	18791.58	1212.54	1993.42	93.57	
51	Mainpuri	39523.87	19822.93	0.00	35612.15	94958.95	7572.53	87386.42	55734.83	0.00	4770.12	60504.95	5240.74	28499.35	69.24	
52	Mathura	45496.28	30198.40	0.00	48416.41	124111.09	9353.76	114757.33	77715.34	0.00	6175.51	83890.85	6972.00	33236.75	73.10	
53	Mau	32398.04	5798.58	3213.88	8604.81	50015.31	3893.92	46121.39	24303.69	0.00	5989.67	30293.36	7033.82	14783.86	65.68	
54	Meerut	42116.25	15539.14	2834.37	24596.20	85085.96	5989.79	79096.17	52687.00	0.00	8766.22	61453.22	9444.78	18415.22	77.69	
55	Mirzapur	27003.16	16801.62	57.63	20096.67	63759.08	5317.05	58442.03	28771.40	0.00	6474.91	35246.31	7319.87	22542.11	60.31	
56	Moradabad	40682.74	11462.40	1885.13	17827.52	72007.79	4440.87	67566.92	47402.83	0.00	10051.78	57454.61	11804.71	12582.82	85.03	
57	Muzaffarnagar	50587.49	23665.46	3128.13	40176.05	117555.13	9403.86	108153.27	71932.20	0.00	6555.94	73683.97	30173.69	7563.94	72.57	
58	Pilibhit	73382.69	14857.06	4318.14	27281.73	119839.62	7654.22	112185.40	59010.41	0.00	5158.34	64168.75	47406.05	47406.05	57.20	
59	Pratapgarh	69552.90	32203.93	0.00	46208.37	147965.20	10344.54	137620.66	95016.46	0.00	7853.59	102870.05	8699.65	33904.57	74.75	
60	Prayagraj	75007.83	29080.57	1663.88	41326.10	147078.38	12026.33	135052.05	83776.69	0.00	16415.99	100192.68	18291.78	35279.67	74.19	
61	Rae Bareilly	62824.50	25566.80	1502.35	41900.83	131794.48	9694.67	122099.81	61253.82	0.00	6725.43	67979.25	7673.42	53172.60	55.68	
62	Rampur	44976.14	11690.95	1837.12	18880.57	77384.78	5494.18	71890.60	46907.99	0.00	4930.74	51838.73	5579.04	19403.58	72.11	
63	S.Kabir Nagar	35894.70	4030.38	320.30	7004.99	47250.37	2985.50	44263.87	25180.86	0.00	4110.76	29291.62	4631.67	14451.35	66.18	
64	S.Ravidas Nagar	18854.50	7720.63	184.70	9928.07	36687.90	3170.36	33517.54	23564.51	0.00	3336.18	26900.69	3626.50	6326.52	80.26	
65	Saharanpur	67123.72	22036.58	5801.71	37584.63	132546.64	7829.98	124716.66	125786.56	0.00	6976.31	132762.87	7702.09	11256.03	106.45	
66	Shahjahanpur	88882.69	17119.02	5231.84	25391.20	136624.75	9403.68	127221.07	69330.63	0.00	8071.57	77402.20	9367.31	48523.13	60.84	
67	Shamli	38786.21	3429.23	2040.90	5358.13	49614.47	3073.58	46540.89	34589.16	0.00	5401.36	39990.52	6263.01	5910.42	85.93	
68	Shamli	20926.70	9034.87	1544.69	13703.88	45210.14	2660.34	42549.80	41319.36	0.00	3009.89	44329.25	3066.96	2004.04	104.18	
69	Shrawasti	33714.02	4479.09	3478.99	7410.28	49082.38	2454.12	46628.26	27471.96	0.00	4.53	27476.49	5.29	19151.01	58.93	
70	Siddharth Nagar	64816.89	10830.58	1409.47	15781.93	92838.87	5237.28	87601.59	47152.30	0.00	6930.18	54082.48	8079.37	32369.89	61.74	
71	Sitapur	109136.46	39979.52	4825.97	70649.18	224591.13	18029.93	206561.20	107818.20	0.00	10628.90	118447.10	12255.85	86487.23	57.34	
72	Sonbhadra	16651.40	4834.56	72.92	3645.20	25204.08	1830.31	23373.77	11043.47	0.00	4071.87	15115.34	4747.94	7582.39	64.67	
73	Sultanpur	45564.14	18448.49	499.32	26403.64	90915.59	7272.67	83642.92	44841.36	0.00	5776.60	50417.96	6429.21	32572.33	60.28	
74	Unnao	75358.84	45363.14	2650.76	65733.87	189106.61	11605.65	177500.96	99531.27	0.00	8150.97	107682.24	9372.65	68597.04	60.67	
75	Varanasi	27605.99	11147.16	342.97	17952.64	57048.76	3654.40	53394.36	38375.40	0.00	10328.05	48703.45	10946.31	8690.25	91.21	
	Total (Ham)	3775021.15	1316010.74	129518.20	1998390.22	7219940.31	531695.79	6688244.52	4128945.02	0.00	474261.11	4603205.95	538364.20	2153092.69	68.83	
	Total (Bcm)	37.75	13.16	1.30	19.99	72.20	5.32	66.88	41.29	0.00	4.74	46.03	5.38	21.53	68.83	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
UTTARAKHAND													
S. No.	Name of District	Ground Water Recharge				Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Stage of Ground Water Extraction (%)
		Monsoon Season	Recharge from other sources	Recharge from rainfall	Recharge from other sources				Irrigation	Industrial	Domestic	Total	
1	Dehradun	52367.83	2327.64	2937.08	2077.35	59709.90	4826.06	54883.83	5889.71	596.29	5460.81	11946.81	16
2	Haridwar	26494.64	6584.74	3519.38	9401.96	46000.72	4302.29	41698.43	20371.08	2330.90	2908.17	25610.14	21.77
3	Udham Singh Nagar	43261.97	17155.21	2439.48	15275.40	78132.06	6104.52	72027.55	31268.56	4955.87	3372.39	39596.84	61.42
4	Nainital	6621.38	4671.62	1601.95	5638.80	18533.75	1853.38	16680.38	5352.69	888.00	3316.11	9556.80	54.97
	Total (Ham)	128745.82	30739.21	10497.89	32393.51	202376.44	17086.25	185290.19	62882.04	8771.06	15057.48	86710.59	57.29
	Total (Bcm)	1.29	0.31	0.10	0.32	2.02	0.17	1.85	0.63	0.09	0.15	0.87	46.80
													46.80

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
WEST BENGAL																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Bankura	98905.53	21562.59	24886.50	32647.44	178002.06	16232.96	161769.10	69980.27	972.51	3729.71	74682.48	7362.46	84426.38	46.17	
2	Birbhum	83998.75	7628.72	20743.15	16112.27	128482.89	11908.95	116573.94	36191.80	253.08	3695.06	40139.94	7780.42	72601.72	34.43	
3	Burdwan	170643.19	13283.39	42504.98	35214.86	261646.42	24768.66	236877.76	94059.60	1526.33	8081.69	103667.61	15762.29	127055.87	43.76	
4	Coochbehar	185334.09	5143.37	60379.13	12100.71	262957.30	26295.71	236661.59	42261.50	1482.42	2964.85	46708.77	5988.25	188411.84	19.74	
5	Dakshin Dinajpur	65504.74	6432.72	17257.72	18756.55	107951.73	9115.64	98836.09	50706.00	872.90	1745.81	53324.71	3349.33	44780.76	53.95	
6	Darjeeling	39186.21	0.00	13052.71	0.00	52238.92	5223.89	47015.03	1169.10	492.68	985.37	2647.15	2012.74	43833.19	5.63	
7	Hooghly	87499.21	6344.07	24032.23	21148.49	139024.00	13902.41	125121.59	54601.80	1422.50	5748.92	61773.22	10669.27	59850.52	49.37	
8	Howrah	18922.39	1114.80	5987.95	6932.33	32957.47	3295.74	29661.73	4970.00	531.85	1824.48	7326.32	6038.57	18653.16	24.70	
9	Jalpaiguri	228086.62	3939.51	65301.46	12078.29	309405.88	30940.59	278465.29	8241.20	1465.25	2930.50	12636.95	5908.97	264315.12	4.54	
10	Malda	96263.27	9181.20	21992.81	23347.70	150784.98	14697.37	136087.61	59108.60	2130.81	4261.62	65501.03	9828.37	67150.64	48.13	
11	Murshidabad	137803.88	19693.42	38349.83	53252.88	249100.01	23373.65	225726.36	186187.00	2722.14	7564.57	196473.71	17323.82	22215.54	87.04	
12	Nadia	113617.65	18299.88	43916.37	47699.21	223533.10	18795.48	204737.62	179222.20	2705.75	5411.50	187339.45	10601.16	14914.26	91.50	
13	North 24 Parganas	105327.29	8147.66	27207.49	25564.50	166246.93	16307.62	149939.31	84524.60	4801.59	9603.18	98929.37	19035.91	46378.90	65.98	
14	Paschim Medinipore	241691.73	12698.55	68840.05	40624.33	363854.66	34991.16	328863.50	110919.60	1666.58	6276.58	118862.75	12907.78	205036.12	36.14	
15	Purba Medinipore	53800.58	1957.01	15434.60	10220.33	81412.52	8141.26	73271.26	21562.40	936.80	2111.08	24610.28	4341.44	47367.42	33.59	
16	Purulia	53190.45	8011.53	14077.33	4806.45	80085.76	7361.68	72724.08	2232.80	1542.36	3084.73	6859.89	6411.97	64079.31	9.43	
17	Uttar Dinajpur	91467.43	7541.41	22166.67	24353.83	145529.34	12014.51	133514.83	78133.60	1603.76	3207.51	82944.87	7569.33	47811.90	62.12	
	Total (Ham)	1871243.01	150979.82	526130.98	384860.18	2933213.98	277367.28	2655846.70	1084072.07	27129.31	73227.13	1184428.50	152892.08	1418882.56	44.60	
	Total (Bcm)	18.71	1.51	5.26	3.85	29.33	2.77	26.56	10.84	0.27	0.73	11.84	1.53	14.19	44.60	
Note- The Ground water Resources Estimation 2013 (calculated using GEC 1997 Methodology) has been considered in case of West Bengal																

Note:- The Ground water Resources Estimation 2013 (calculated using GEC 1997 Methodology) has been considered in case of West Bengal

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
ANDAMAN & NICOBAR ISLANDS																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	N & M Andaman	9770.87	10.11	0.00	2.52	9783.50	978.34	8805.16	0.80	83.04	244.17	327.99	269.19	8452.16	3.72	
2	Nicobar	15184.09	0.80	0.00	0.20	15185.09	1518.51	13666.58	0.44	0.94	82.26	83.63	93.92	13574.55	0.61	
3	South Andaman	6570.21	10.01	0.00	2.50	6582.72	562.40	6020.32	13.54	13.54	300.82	327.87	331.62	5661.64	5.45	
	Total (Ham)	31525.17	20.92	0.00	5.22	31551.31	3059.25	28492.06	14.79	97.52	627.25	739.49	694.73	27688.35	2.60	
	Total (Bcm)	0.32	0.0002	0.00	0.0001	0.32	0.03	0.28	0.0001	0.001	0.0063	0.01	0.01	0.28	2.60	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																	
CHANDIGARH																	
S. No.	Name of District	Ground Water Recharge						Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Water Extraction (%)	
		Monsoon Season		Non-monsoon Season						Total Annual Ground Water Recharge	Irrigation	Industrial	Domestic				Total
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Chandigarh	1187.79	1610.84	481.54	3095.43	6375.60	637.56	5738.04	950.70	190.80	3483.20	4624.70	3483.20	1113.34	80.60		
	Total (Ham)	1187.79	1610.84	481.54	3095.43	6375.60	637.56	5738.04	950.70	190.80	3483.20	4624.70	3483.20	1113.34	80.60		
	Total (Bcm)	0.01	0.02	0.005	0.03	0.06	0.006	0.06	0.01	0.002	0.03	0.05	0.03	0.01	80.60		

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																
DADRA & NAGAR HAVELI																
S. No.	Name of District	Ground Water Recharge					Total Annual Ground Water Recharge	Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season						Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	Dadra & Nagar Haveli	4306.48	661.77	329.73	1948.30	7246.26	494.21	6752.05	888.62	649.04	1568.14	3105.80	1798.23	3416.16	45.99	
	Total (Ham)	4306.48	661.77	329.73	1948.30	7246.26	494.21	6752.05	888.62	649.04	1568.14	3105.80	1798.23	3416.16	45.99	
	Total (Bcm)	0.04	0.01	0.003	0.02	0.07	0.005	0.07	0.01	0.01	0.02	0.03	0.02	0.03	0.03	

125

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
JAMMU & KASHMIR															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season		Total Annual Ground Water Recharge			Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Anantnag	2429.26	7761.42	9570.73	2013.10	21774.51	2177.45	19597.06	420.80	37.80	3626.64	4085.24	3626.64	15511.82	20.85
2	Bandipora	103.97	7.10	515.52	14.50	641.09	64.11	576.98	31.54	3.50	361.38	396.42	404.37	1377.57	68.71
3	Baramulla	4342.60	25244.20	18631.91	8574.35	56793.06	5679.31	51113.75	51.51	17.29	5918.26	5987.06	5918.26	45126.69	11.71
4	Budgam	2226.42	26972.65	7847.64	5244.91	42291.62	4229.17	38062.45	103.04	4721.46	4036.61	8861.11	4036.61	29201.34	23.28
5	Doda	51.68	661.15	200.84	161.07	1074.74	107.47	967.27	105.10	17.60	308.76	431.46	344.85	499.72	44.61
6	Ganderbal	236.00	1290.00	805.31	702.00	3033.31	303.33	2729.98	420.48	31.83	443.39	895.69	506.60	1771.08	32.81
7	Jammu	29803.72	29627.23	12249.84	17131.74	88812.53	8881.25	79931.28	10084.80	2427.81	10852.36	23364.97	10852.36	56566.31	29.23
8	Kathua	17246.22	13411.33	4401.97	10059.18	45118.70	3930.82	41187.87	4050.86	1019.66	6238.86	11309.38	6320.23	29797.12	27.46
9	Kishtwar	101.29	745.00	393.62	390.00	1629.91	162.99	1466.92	31.50	0.00	147.17	178.67	147.17	1288.25	12.18
10	Kulgam	532.35	4542.65	2097.34	2206.23	9378.57	937.86	8440.71	147.28	29.16	1650.38	1826.83	1650.38	6613.88	21.64
11	Kupwara	1581.89	17403.20	9533.57	5467.41	33986.07	3398.61	30587.46	51.51	35.00	3132.58	3219.09	3132.58	27368.37	10.52
12	Poonch	3202.66	9401.90	3023.84	6974.31	22602.71	2260.28	20342.43	717.50	17.50	1339.41	2074.40	1495.85	18111.59	10.20
13	Pulwama	1787.54	13828.05	4395.03	3837.02	23847.64	2384.76	21462.88	1391.01	3572.18	3195.65	8158.82	3195.65	13304.06	38.01
14	Rajouri	4318.86	15657.48	1576.88	7557.19	29110.41	2911.05	26199.36	304.50	17.50	1479.02	1801.03	1528.60	24348.75	6.87
15	Ramban	107.77	665.55	321.06	349.63	1444.01	144.40	1299.61	31.50	17.50	337.97	386.97	381.68	868.93	29.78
16	Reasi	790.68	2776.04	1669.25	1249.15	6485.12	648.52	5836.60	178.70	52.56	935.78	1167.05	986.04	4619.29	20.00
17	Samba	4338.50	13492.81	8287.72	9273.21	35392.24	3539.22	31853.02	1274.46	126.12	1762.85	3163.43	1798.98	28653.46	9.93
18	Shopian	946.31	8053.40	2425.84	3575.33	15000.88	1500.09	13500.79	100.80	27.00	1336.04	1463.84	1336.04	12036.95	10.84
19	Srinagar	1343.10	7556.15	4799.30	617.40	14315.95	1431.60	12884.35	51.51	336.38	7150.86	7538.76	7801.29	4695.16	58.51
20	Udhampur	4369.58	5211.22	2467.72	2850.41	14898.93	1406.50	13492.43	336.38	141.24	1868.45	2346.06	1977.66	11037.16	17.39
	Total (Ham)	79860.40	204308.53	95214.93	88248.14	467632.00	46098.79	421533.20	19884.80	12649.10	56122.39	88656.28	57441.84	331557.50	21.03
	Total (Bcm)	0.80	2.04	0.95	0.88	4.68	0.46	4.22	0.20	0.13	0.56	0.89	0.57	3.32	21.03

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
LADAKH															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Kargil	509.74	2571.17	1180.83	2305.70	6567.44	656.74	5910.70	24.22	4.14	172.50	200.86	290.92	5591.42	3.40
2	Leh	531.40	2071.21	683.77	1934.58	5220.96	522.09	4698.87	89.86	20.70	1587.31	1697.87	1587.31	3001.00	36.13
	Total (Ham)	1041.14	4642.38	1864.60	4240.28	11788.40	1178.83	10609.57	114.08	24.84	1759.81	1898.73	1878.23	8592.42	17.90
	Total (Bcm)	0.01	0.05	0.02	0.04	0.12	0.01	0.11	0.001	0.0002	0.02	0.02	0.02	0.09	17.90

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020															
LAKSHADWEEP															
S. No.	Name of District	Ground Water Recharge					Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)
		Monsoon Season		Non-monsoon Season					Irrigation	Industrial	Domestic	Total			
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Total Annual Ground Water Recharge									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Agatti	114.96	0.00	19.33	0.00	134.29	53.71	51.20	0.00	0.00	0.00	34.58	61.28	16.62	67.54
2	Amini	109.87	0.00	18.47	0.00	128.34	51.34	46.33	0.00	0.00	0.00	34.28	45.04	1.29	73.98
3	Androth	205.32	0.00	34.52	0.00	239.84	95.94	89.47	0.00	0.00	0.00	50.53	67.04	22.44	56.48
4	Chetlat	44.12	0.00	7.42	0.00	51.54	20.62	18.61	0.00	0.00	0.00	8.86	10.43	8.17	47.62
5	Kadmat	132.36	0.00	22.25	0.00	154.61	61.84	57.78	0.00	0.00	0.00	20.58	22.37	35.42	35.61
6	Kalpeni	96.72	0.00	16.26	0.00	112.98	45.19	42.09	0.00	0.00	0.00	17.29	20.02	22.06	41.08
7	Kavaratti	153.99	0.00	25.89	0.00	179.88	71.96	68.61	0.00	0.00	0.00	56.19	126.37	12.42	81.89
8	Kiltan	69.15	0.00	11.63	0.00	80.78	32.31	29.03	0.00	0.00	0.00	16.76	28.96	0.07	57.73
9	Minicoy	178.10	0.00	64.12	0.00	242.22	96.89	96.30	0.00	0.00	0.00	52.96	110.52	43.34	55.00
	Total (Ham)	1104.59	0.00	219.89	0.00	1324.48	529.80	499.42	0.00	0.00	0.00	292.03	492.03	161.83	58.47
	Total (Bcm)	0.01	0.00	0.002	0.00	0.01	0.01	0.005	0.00	0.00	0.00	0.003	0.005	0.002	58.47

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020																	
PUDUCHERRY																	
S. No.	Name of District	Ground Water Recharge						Total Natural Discharges	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction				Annual GW Allocation for Domestic Use as on 2025	Net Ground Water Availability for future use	Stage of Ground Water Extraction (%)	
		Monsoon Season		Non-monsoon Season						Total Annual Ground Water Recharge	Irrigation	Industrial	Domestic				Total
		Recharge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other sources	Recharge from other sources											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Karaikal	1542.26	3936.85	20.98	1481.15	6981.24	698.12	6283.12	786.98	17.00	528.71	1332.69	973.37	4895.12	21.21		
2	Máhe	218.70	0.00	2.79	0.00	221.49	22.15	199.34	0.00	0.00	138.65	138.65	149.84	49.04	69.95		
3	Puducherry	4270.18	6135.05	1445.95	3280.02	15131.20	1513.12	13618.08	8983.50	631.50	3841.42	13456.42	4338.92	161.67	98.81		
Total (Ham)		6031.14	10071.90	1469.72	4761.17	22333.93	2233.39	20100.54	9770.48	648.50	4508.78	14927.75	5462.13	5105.83	74.27		
Total (Bcm)		0.06	0.10	0.01	0.05	0.22	0.02	0.20	0.10	0.01	0.05	0.15	0.05	0.05	74.27		

Annexure - III(A)
State-Wise Categorization of Blocks/ Mandals/ Taluks in India
(as in 2020)

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION OF BLOCKS/ MANDALS/ TALUKAS IN INDIA (2020)												
S.No.	State/Union Territories	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
	States		Nos.	%	Nos.	%	Nos.	%	Nos.	%	Nos.	%
1	Andhra Pradesh	667	551	82.61	40	6.00	15	2.25	23	3.45	38	5.70
2	Arunachal Pradesh	11	11	100.00								
3	Assam	28	28	100.00								
4	Bihar	534	471	88.20	51	9.55	5	0.94	7	1.31		
5	Chhattisgarh	146	110	75.34	27	18.49	9	6.16				
6	Delhi	34	3	8.82	7	20.59	7	20.59	17	50.00		
7	Goa	12	12	100.00								
8	Gujarat	248	182	73.39	24	9.68	4	1.61	25	10.08	13	5.24
9	Haryana	141	30	21.28	14	9.93	12	8.51	85	60.28		
10	Himachal Pradesh	10	10	100.00								
11	Jharkhand	259	244	94.21	10	3.86	2	0.77	3	1.16		
12	Karnataka	227	130	57.27	35	15.42	10	4.41	52	22.91		
13	Kerala	152	120	78.95	29	19.08	3	1.97				
14	Madhya Pradesh	317	233	73.50	50	15.77	8	2.52	26	8.21		
15	Maharashtra	353	271	76.77	63	17.85	8	2.27	10	2.83	1	0.28
16	Manipur	9	9	100.00								
17	Meghalaya	12	12	100.00								
18	Mizoram	26	26	100.00								
19	Nagaland	11	11	100.00								
20	Odisha	314	302	96.18	6	1.91					6	1.91
21	Punjab	150	17	11.33	10	6.67	6	4.00	117	78.00		
22	Rajasthan	295	37	12.54	29	9.83	23	7.80	203	68.81	3	1.02
23	Sikkim	4	4	100.00								
24	Tamil Nadu	1166	409	35.08	225	19.30	63	5.40	435	37.31	34	2.92
25	Telangana	589	321	54.50	180	30.56	44	7.47	44	7.47		
26	Tripura	59	59	100.00								
27	Uttar Pradesh	830	541	65.18	174	20.96	49	5.90	66	7.95		
28	Uttarakhand	18	14	77.78	4	22.22						
29	West Bengal*	268	191	71.27	76	28.36	1	0.37				
30	Andaman and Nicobar	36	35	97.22							1	2.78
31	Chandigarh	1			1	100.00						
32	Dadra & Nagar Haveli	1	1	100.00								
	Daman & Diu	2	1	50.00					1	50.00		
33	Jammu and Kashmir	20	20	100.00								
34	Ladakh	2	2	100.00								
35	Lakshadweep	9	7	77.78	2	22.22						
36	Puducherry	4	2	50.00			1	25.00			1	25.00
	Grand Total	6965	4427	63.56	1057	15.18	270	3.88	1114	15.99	97	1.39

Note

Blocks- Bihar, Chhattisgarh, Haryana, Jharkhand, Kerala, Madhya Pradesh, Manipur, Mizoram, Odisha, Punjab, Rajasthan, Tripura, Uttar Pradesh, Uttarakhand, West Bengal

Taluks- Goa, Gujarat, Karnataka, Maharashtra

Mandals- Andhra Pradesh, Telangana

District- Arunachal Pradesh, Assam, Meghalaya, Nagaland, Sikkim, Dadra & Nagar Haveli, Daman & Diu, Jammu & Kashmir, Ladakh Valley- Himachal Pradesh,

Islands- Andaman & Nicobar, Lakshadweep

Firka- Tamil Nadu

Region- Puducherry

UT- Chandigarh

Tehsil- Delhi

*West Bengal- The Ground Water Resource Assessment as on 2013 has been considered for state of West Bengal.

Annexure - III(B)**District-Wise Categorization of Blocks/ Mandals/ Taluks in India
(as in 2020)**

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
ANDHRA PRADESH												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Anantapur	63	43	68.25	4	6.35	1	1.59	15	23.81		
2	Chittoor	66	41	62.12	19	28.79	6	9.09				
3	East Godavari	64	54	84.38	2	3.13					8	12.50
4	Guntur	57	52	91.23		0.00	1	1.75	2	3.51	2	3.51
5	Kadapa	51	37	72.55	7	13.73	5	9.80	2	3.92		
6	Krishna	50	36	72.00	1	2.00					13	26.00
7	Kurnool	54	51	94.44	2	3.70	1	1.85				
8	Nellore	46	44	95.65	1	2.17	1	2.17				
9	Prakasam	56	47	83.93	4	7.14			4	7.14	1	1.79
10	Srikakulam	38	38	100.00								
11	Visakhapatnam	40	40	100.00								
12	Vizianagaram	34	34	100.00								
13	West Godavari	48	34	70.83							14	29.17
	Total	667	551	82.61	40	6.00	15	2.25	23	3.45	38	5.70

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
ARUNACHAL PRADESH												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Tirap	1	1	100.00								
2	Changlang	1	1	100.00								
3	Lohit	1	1	100.00								
4	Lower Dibang Valley	1	1	100.00								
5	East Siang	1	1	100.00								
6	West Siang	1	1	100.00								
7	East Kameng	1	1	100.00								
8	West Kameng	1	1	100.00								
9	Lower Subansiri	1	1	100.00								
10	Upper Subansiri	1	1	100.00								
11	Papum Pare	1	1	100.00								
	Total	11	11	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
ASSAM													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Baksa	1	1	100.00									
2	Barpeta	1	1	100.00									
3	Bongaigaon	1	1	100.00									
4	Cachar	1	1	100.00									
5	Chirang	1	1	100.00									
6	Darrang	1	1	100.00									
7	Dhemaji	1	1	100.00									
8	Dhubri	1	1	100.00									
9	Dibrugarh	1	1	100.00									
10	Dima Hasao	1	1	100.00									
11	Goalpara	1	1	100.00									
12	Golaghat	1	1	100.00									
13	Hailakandi	1	1	100.00									
14	Jorhat	1	1	100.00									
15	Kamrup	1	1	100.00									
16	Kamrup Metro Rural	1	1	100.00									
17	Kamrup Metro Urban	1	1	100.00									
18	Karbi Anglong	1	1	100.00									
19	Karimganj	1	1	100.00									
20	Kokrajhar	1	1	100.00									
21	Lakhimpur	1	1	100.00									
22	Morigaon	1	1	100.00									
23	Nagaon	1	1	100.00									
24	Nalbari	1	1	100.00									
25	Sivasagar	1	1	100.00									
26	Sonitpur	1	1	100.00									
27	Tinsukia	1	1	100.00									
28	Udalguri	1	1	100.00									
Total		28	28	100.00									

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
BIHAR													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Araria	9	9	100.00									
2	Arwal	5	5	100.00									
3	Aurangabad	11	11	100.00									
4	Banka	11	11	100.00									
5	Begusarai	18	16	88.89	2	11.11							
6	Bhagalpur	16	16	100.00									
7	Bhojpur	14	10	71.43	4	28.57							
8	Buxar	11	10	90.91	1	9.09							
9	Darbhanga	18	18	100.00									
10	East Champaran	27	27	100.00									
11	Gaya	24	16	66.67	5	20.83			3	12.50			
12	Gopalganj	14	14	100.00									
13	Jamui	10	10	100.00									
14	Jehanabad	7	0	0.00	3	42.86	3	42.86	1	14.29			
15	Kaimur	11	11	100.00									
16	Katihar	16	15	93.75	1	6.25							
17	Khagaria	7	7	100.00									
18	Kishanganj	7	7	100.00									
19	Lakhisarai	7	6	85.71	1	14.29							
20	Madhepura	13	6	46.15	7	53.85							
21	Madhubani	21	21	100.00									
22	Munger	9	9	100.00									
23	Muzaffarpur	16	13	81.25	1	6.25			2	12.50			
24	Nalanda	20	14	70.00	5	25.00			1	5.00			
25	Nawada	14	11	78.57	2	14.29	1	7.14					
26	Patna	23	14	60.87	9	39.13							
27	Purnia	14	13	92.86	1	7.14							
28	Rohats	19	19	100.00									
29	Saharsa	10	10	100.00									
30	Samastipur	20	19	95.00	1	5.00							
31	Saran	20	19	95.00	1	5.00							
32	Sheikhpura	6	6	100.00									
33	Sheohar	5	5	100.00									
34	Sitamarhi	17	16	94.12	1	5.88							
35	Siwan	19	18	94.74	1	5.26							
36	Supaul	11	11	100.00									
37	Vaishali	16	10	62.50	5	31.25	1	6.25					
38	West Champaran	18	18	100.00									
Total		534	471	88.20	51	9.55	5	0.94	7	1.31			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
CHHATTISGARH													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Balod	5	2	40.00	2	40.00	1	20.00					
2	Baloda Bazar	6	5	83.33	1	16.67							
3	Balrampur	6	6	100.00									
4	Bastar	7	7	100.00									
5	Benetara	4			2	50.00	2	50.00					
6	Bijapur	4	4	100.00									
7	Bilaspur	7	6	85.71	1	14.29							
8	Dantewara	4	4	100.00									
9	Dhamtari	4			3	75.00	1	25.00					
10	Durg	3			2	66.67	1	33.33					
11	Gariaband	5	4	80.00	1	20.00							
12	Janjgir-Champa	9	6	66.67	3	33.33							
13	Jashpur	8	8	100.00									
14	Kanker	7	6	85.71	1	14.29							
15	Kawardha	4	1	25.00	1	25.00	2	50.00					
16	Kondagaon	5	5	100.00									
17	Korba	5	4	80.00	1	20.00							
18	Koriya	5	5	100.00									
19	Mahasamund	5	3	60.00	2	40.00							
20	Mungeli	3	3	100.00									
21	Narayanpur	2	2	100.00									
22	Raigarh	9	6	66.67	3	33.33							
23	Raipur	4	3	75.00			1	25.00					
24	Rajnandgaon	9	5	55.56	3	33.33	1	11.11					
25	Sukma	3	3	100.00									
26	Surajpur	6	5	83.33	1	16.67							
27	Surguja	7	7	100.00									
	Total	146	110	75.34	27	18.49	9	6.16					

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
DELHI												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Central	3							1	33.33		
2	East	3			2	66.67			1	33.33		
3	New Delhi	3			2	66.67			3	100.00		
4	North	3					2	66.67	1	33.33		
5	North East	3					2	66.67	1	33.33		
6	North West	3	2	66.67	1	33.33						
7	Shahdara	3					1	33.33	2	66.67		
8	South	3							3	100.00		
9	South East	3					1	33.33	2	66.67		
10	South West	3					1	33.33	2	66.67		
11	West	3			2	66.67			1	33.33		
12	Nazul Land	1	1	100.00								
	Total	34	3	8.82	7	20.59	7	20.59	17	50.00		

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
GOA												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Goa North	5	5	100.00								
2	South Goa	7	7	100.00								
	Total	12	12	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
GUJARAT													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Ahmedabad	9	4	44.44	2	22.22	1	11.11			2	22.22	
2	Amreli	11	10	90.91	1	9.09							
3	Anand	8	8	100.00									
4	Arvali	6	6	100.00									
5	Banaskantha	14	2	14.29	2	14.29			7	50.00	3	21.43	
6	Bharuch	9	9	100.00									
7	Bhavnagar	10	10	100.00									
8	Botad	4	4	100.00									
9	Chhota Udepur	6	6	100.00									
10	Dahod	9	9	100.00									
11	Dang	3	3	100.00									
12	Devbhumi Dwaraka	4	4	100.00									
13	Gandhinagar	4			2	50.00			2	50.00			
14	Gir Somnath	6	5	83.33	1	16.67							
15	Jamnagar	6	6	100.00									
16	Junagadh	9	3	33.33	2	22.22	1	11.11	3	33.33			
17	Kachchh	10	6	60.00					3	30.00	1	10.00	
18	Kheda	10	9	90.00	1	10.00							
19	Mahesana	10			3	30.00	1	10.00	6	60.00			
20	Mahisagar	6	6	100.00									
21	Morbi	5	4	80.00							1	20.00	
22	Narmada	5	4	80.00	1	20.00							
23	Navsari	6	6	100.00									
24	Panchmahal	7	7	100.00									
25	Patan	9			1	11.11	1	11.11	2	22.22	5	55.56	
26	Porbandar	3	2	66.67	1	33.33							
27	Rajkot	11	9	81.82	2	18.18							
28	Sabarkantha	8	4	50.00	3	37.50			1	12.50			
29	Surat	9	9	100.00									
30	Surendra Nagar	10	8	80.00	1	10.00					1	10.00	
31	Tapi	7	7	100.00									
32	Vadodara	8	6	75.00	1	12.50			1	12.50			
33	Valsad	6	6	100.00									
	Total	248	182	73.39	24	9.68	4	1.61	25	10.08	13	5.24	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
HARYANA													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Ambala	6			1	16.67	2	33.33	3	50.00			
2	Bhiwani	7	1	14.29	2	28.57		0.00	4	57.14			
3	Charkhi Dadri	4	2	50.00		0.00		0.00	2	50.00			
4	Faridabad	3		0.00		0.00		0.00	3	100.00			
5	Fatehabad	7		0.00		0.00	1	14.29	6	85.71			
6	Gurgaon	4		0.00		0.00		0.00	4	100.00			
7	Hisar	9	2	22.22	3	33.33	2	22.22	2	22.22			
8	Jhajjar	7	6	85.71	1	14.29		0.00		0.00			
9	Jind	8	2	25.00	1	12.50		0.00	5	62.50			
10	Kaithal	7		0.00		0.00		0.00	7	100.00			
11	Karnal	8		0.00	1	12.50		0.00	7	87.50			
12	Kurukshetra	7		0.00		0.00		0.00	7	100.00			
13	Mahendragarh	8	3	37.50	1	12.50	1	12.50	3	37.50			
14	Mewat	7	3	42.86	1	14.29	2	28.57	1	14.29			
15	Palwal	6	1	16.67	2	33.33	1	16.67	2	33.33			
16	Panchkula	3	2	66.67		0.00	1	33.33		0.00			
17	Panipat	6		0.00		0.00		0.00	6	100.00			
18	Rewari	7		0.00		0.00	1	14.29	6	85.71			
19	Rohatak	5	5	100.00		0.00		0.00		0.00			
20	Sirsa	7		0.00	1	14.29		0.00	6	85.71			
21	Sonapat	8	3	37.50		0.00		0.00	5	62.50			
22	Yamuna Nagar	7		0.00		0.00	1	14.29	6	85.71			
	Total	141	30	21.28	14	9.93	12	8.51	85	60.28			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
HIMACHAL PRADESH													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Kangra	2	2	100.00									
2	Mandi	2	2	100.00									
3	Sirmaour	2	2	100.00									
4	Solan	1	1	100.00									
5	Una	3	3	100.00									
	Total	10	10	100.00									

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
JHARKHAND													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Bokaro	9	7	77.78	1	11.11			1	11.11			
2	Chatra	12	12	100.00									
3	Deoghar	10	9	90.00	1	10.00							
4	Dhanbad	8	5	62.50	1	12.50	1	12.50	1	12.50			
5	Dumka	10	10	100.00									
6	East Singhbhum	11	10	90.91					1	9.09			
7	Garhwa	19	18	94.74	1	5.26							
8	Giridih	13	13	100.00									
9	Godda	9	9	100.00									
10	Gumla	12	12	100.00									
11	Hazaribagh	16	15	93.75	1	6.25							
12	Jamtara	6	6	100.00									
13	Khunti	6	6	100.00									
14	Koderma	6	6	100.00									
15	Latehar	9	9	100.00									
16	Lohardaga	7	7	100.00									
17	Pakur	6	6	100.00									
18	Palamau	20	20	100.00									
19	Rangarh	6	3	50.00	3	50.00							
20	Ranchi	18	15	83.33	2	11.11	1	5.56					
21	Sahebganj	9	9	100.00									
22	Saraikela - Kharsawa	9	9	100.00									
23	Simdega	10	10	100.00									
24	West Singhbhum	18	18	100.00									
	Total	259	244	94.21	10	3.86	2	0.77	3	1.16			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
KARNATAKA													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Bagalkot	9	3	33.33	2	22.22	1	11.11	3	33.33			
2	Bangalore Rural	4							4	100.00			
3	Bangalore Urban	5							5	100.00			
4	Belagavi	14	5	35.71	4	28.57	1	7.14	4	28.57			
5	Bellary	11	7	63.64	1	9.09			3	27.27			
6	Bidar	8	6	75.00	2	25.00							
7	Chamrajnagara	5			2	40.00	1	20.00	2	40.00			
8	Chikballapur	6							6	100.00			
9	Chikkamagalur	8	6	75.00					2	25.00			
10	Chitradurga	6	1	16.67					5	83.33			
11	Dakshin Kanna	7	7	100.00									
12	Davangere	6	1	16.67	2	33.33	1	16.67	2	33.33			
13	Dharwad	8	8	100.00									
14	Gadag	7	1	14.29	3	42.86	1	14.29	2	28.57			
15	Hassan	8	6	75.00			1	12.50	1	12.50			
16	Haveri	8	4	50.00	4	50.00							
17	Kalburagi	11	10	90.91	1	9.09							
18	Kodagu	3	3	100.00									
19	Kolar	6							6	100.00			
20	Koppal	7	4	57.14	2	28.57			1	14.29			
21	Mandya	7	6	85.71	1	14.29							
22	Mysuru	8	7	87.50	1	12.50							
23	Raichur	7	5	71.43	2	28.57							
24	Ramanagaram	4			1	25.00	3	75.00					
25	Shivamogga	7	7	100.00									
26	Tumakuru	10	3	30.00	1	10.00			6	60.00			
27	Udupi	7	7	100.00									
28	Uttar Kannada	12	12	100.00									
29	Vijayapura	12	7	58.33	4	33.33	1	8.33					
30	Yadgir	6	4	66.67	2	33.33							
Total		227	130	57.27	35	15.42	10	4.41	52	22.91			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
KERALA													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Alappuzha	12	12	100.00									
2	Ernakulam	14	14	100.00									
3	Idukki	8	6	75.00	2	25.00							
4	Kannur	11	8	72.73	3	27.27							
5	Kasaragod	6	2	33.33	3	50.00	1	16.67					
6	Kollam	11	10	90.91	1	9.09							
7	Kottayam	11	11	100.00									
8	Kozhikkode	12	10	83.33	2	16.67							
9	Malappuram	15	7	46.67	8	53.33							
10	Palakkad	13	9	69.23	2	15.38	2	15.38					
11	Pathanamthitta	8	8	100.00									
12	Thiruvananthapuram	11	6	54.55	5	45.45							
13	Thrissur	16	13	81.25	3	18.75							
14	Wayanad	4	4	100.00									
	Total	152	120	78.95	29	19.08	3	1.97					

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
MADHYA PRADESH													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Agar Malwa	4	1	25.00	1	25.00			2	50.00			
2	Alirajpur	6	6	100.00									
3	Anuppur	4	4	100.00									
4	Ashoknagar	4	3	75.00	1	25.00							
5	Balaghat	10	10	100.00									
6	Barwani	7	5	71.43	1	14.29			1	14.29			
7	Betul	10	8	80.00	2	20.00							
8	Bhind	6	6	100.00									
9	Bhopal	3	1	33.33	2	66.67							
10	Burhanpur	2	2	100.00									
11	Chhatarpur	8	4	50.00	4	50.00							
12	Chhindwara	11	8	72.73	2	18.18	1	9.09					
13	Damoh	7	6	85.71	1	14.29							
14	Datia	3	3	100.00									
15	Dewas	6	3	50.00	1	16.67			2	33.33			
16	Dhar	13	9	69.23			1	7.69	3	23.08			
17	Dindori	7	7	100.00									
18	Guna	5	5	100.00									
19	Gwalior	5	4	80.00	1	20.00							
20	Harda	3	3	100.00									
21	Hoshangabad	7	6	85.71	1	14.29							
22	Indore	5	1	20.00	1	20.00			4	80.00			
23	Jabalpur	8	7	87.50			1	12.50					
24	Jhabua	6	5	83.33	1	16.67							
25	Katni	6	6	100.00									
26	Khandwa	7	6	85.71	1	14.29							
27	Khargone	9	8	88.89	1	11.11							
28	Mandla	9	9	100.00									
29	Mandsaur	5	1	20.00	1	20.00	2	40.00	2	40.00			
30	Morena	7	7	100.00									
31	Narsinghpur	6	5	83.33	1	16.67							
32	Neemuch	3	1	33.33	1	33.33			2	66.67			
33	Panna	5	5	100.00									
34	Raisen	7	6	85.71	1	14.29							
35	Rajgarh	6	1	16.67	3	50.00	2	33.33					
36	Ratlam	6	2	33.33	2	33.33			4	66.67			
37	Rewa	9	8	88.89	1	11.11							
38	Sagar	11	11	100.00									
39	Satna	8	5	62.50	3	37.50							
40	Sehore	5	4	80.00			1	20.00					
41	Seoni	8	8	100.00									
42	Shahdol	5	5	100.00									
43	Shajapur	4	1	25.00	1	25.00			3	75.00			
44	Sheopur	3	3	100.00									
45	Shivpuri	8	3	37.50	5	62.50							
46	Sidhi	5	5	100.00									
47	Singrauli	3	3	100.00									
48	Tikamgarh	6	1	16.67	5	83.33							
49	Ujjain	6	6	100.00	3	50.00			3	50.00			
50	Umaria	3	3	100.00									
51	Vidisha	7	5	71.43	2	28.57							
Total		317	233	73.50	50	15.77	8	2.52	26	8.20			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
MAHARASHTRA													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Ahmednagar	14	4	28.57	5	35.71	4	28.57	1	7.14			
2	Akola	7	6	85.71	1	14.29							
3	Amravati	14	6	42.86	3	21.43			4	28.57	1	7.14	
4	Aurangabad	9	2	22.22	7	77.78							
5	Beed	11	11	100.00									
6	Bhandara	7	7	100.00									
7	Buldhara	13	2	15.38	9	69.23			2	15.38			
8	Chandrapur	15	15	100.00									
9	Dhule	4	4	100.00									
10	Gadchiroli	12	12	100.00									
11	Gondia	8	8	100.00									
12	Hingoli	5	5	100.00									
13	Jaigaon	15	4	26.67	9	60.00			2	13.33			
14	Jalna	8	8	100.00									
15	Kolhapur	12	12	100.00									
16	Latur	10	9	90.00	1	10.00							
17	Nagpur	13	11	84.62	2	15.38							
18	Nanded	16	16	100.00									
19	Nandurbar	6	6	100.00									
20	Nashik	15	9	60.00	3	20.00	3	20.00					
21	Osmanabad	8	6	75.00	2	25.00							
22	Palghar	8	8	100.00									
23	Parbhani	9	9	100.00									
24	Pune	13	5	38.46	7	53.85	1	7.69					
25	Raigad	15	15	100.00									
26	Ratnagiri	9	9	100.00									
27	Sangli	10	9	90.00	1	10.00							
28	Satara	11	6	54.55	5	45.45							
29	Sindhudurg	8	8	100.00									
30	Solapur	11	3	27.27	7	63.64			1	9.09			
31	Thane	7	7	100.00									
32	Wardha	8	7	87.50	1	12.50							
33	Washim	6	6	100.00									
34	Yeatmal	16	16	100.00									
	Total	353	271	76.77	63	17.85	8	2.27	10	2.83	1	0.28	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
MANIPUR												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Bishnupur	2	2	100.00								
2	Churachandpur	1	1	100.00								
3	Imphal East	2	2	100.00								
4	Imphal West	2	2	100.00								
5	Thoubal	2	2	100.00								
	Total	9	9	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
MEGHALAYA													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	East Garo Hills	1	1	100.00									
2	East Jaintia Hills	1	1	100.00									
3	East Khasi Hills	2	2	100.00									
4	North Garo Hills	1	1	100.00									
5	Ri-Bhoi	1	1	100.00									
6	South Garo Hills	1	1	100.00									
7	South West Garo Hills	1	1	100.00									
8	South West Khasi Hills	1	1	100.00									
9	West Garo Hills	1	1	100.00									
10	West Jaintia Hills	1	1	100.00									
11	West Khasi Hills	1	1	100.00									
	Total	12	12	100.00									

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
MIZORAM												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Aizawl	5	5	100.00								
2	Champhai	4	4	100.00								
3	Kolasib	2	2	100.00								
4	Lawngtlai	4	4	100.00								
5	Lunglei	4	4	100.00								
6	Mamit	3	3	100.00								
7	Saiha	2	2	100.00								
8	Serchhip	2	2	100.00								
	Total	26	26	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
NAGALAND												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Dimapur	1	1	100.00								
2	Kiphire	1	1	100.00								
3	Kohima	1	1	100.00								
4	Longleng	1	1	100.00								
5	Mokokchung	1	1	100.00								
6	Mon	1	1	100.00								
7	Peren	1	1	100.00								
8	Phek	1	1	100.00								
9	Tuensang	1	1	100.00								
10	Wokha	1	1	100.00								
11	Zunheboto	1	1	100.00								
	Total	11	11	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
ODISHA												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Angul	8	8	100.00								
2	Balasore	12	11	91.67	1	8.33						
3	Bargarh	12	12	100.00								
4	Bhadrak	7	6	85.71							1	14.29
5	Bolangir	14	14	100.00								
6	Boudh	3	3	100.00								
7	Cuttack	14	14	100.00								
8	Deogarh	3	3	100.00								
9	Dhenkanal	8	8	100.00								
10	Galapati	7	7	100.00								
11	Ganjam	22	22	100.00								
12	Jagatsinghpur	8	7	87.50							1	12.50
13	Jajpur	10	9	90.00	1	10.00						
14	Jharsuguda	5	5	100.00								
15	Kalahandi	13	13	100.00								
16	Kandhamal	12	12	100.00								
17	Kendrapara	9	4	44.44	1	11.11					4	44.44
18	Keonjhar	13	13	100.00								
19	Khurda	10	8	80.00	2	20.00						
20	Koraput	14	14	100.00								
21	Malakngiri	7	7	100.00								
22	Mayurbhanj	26	26	100.00								
23	Nabarangapur	10	10	100.00								
24	Nayagarh	8	8	100.00								
25	Nuapada	5	4	80.00	1	20.00						
26	Puri	11	11	100.00								
27	Rayagada	11	11	100.00								
28	Sambalpur	9	9	100.00								
29	Subarnapur	6	6	100.00								
30	Sundargarh	17	17	100.00								
Total		314	302	96.18	6	1.91					6	1.91

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
PUNJAB												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Amritsar	9							9	100.00		
2	Barnala	3							3	100.00		
3	Bathinda	9	1	11.00	1	11.00	1	11.00	6	67.00		
4	Fardkot	3							3	100.00		
5	Fateh Garh Sahib	5							5	100.00		
6	Fazilka	5	2	40.00			1	20.00	2	40.00		
7	Ferozpur	6							6	100.00		
8	Gurdaspur	11	1	9.00	1	9.00	3	27.00	6	55.00		
9	Hoshiarpur	10	3	30.00	3	30.00			4	40.00		
10	Jalandhar	11							11	100.00		
11	Kapurthala	5							5	100.00		
12	Ludhiana	13							13	100.00		
13	Manisa	5							5	100.00		
14	Moga	5							5	100.00		
15	Mohali	3	1	33.00					2	67.00		
16	Muktsar	4	4	100.00								
17	Nawanshahar	5	1	20.00	1	20.00			3	60.00		
18	Pathankot	6	3	50.00	3	50.00						
19	Patiala	9							9	100.00		
20	Ropar	5	1	20.00	1	20.00	1	20.00	2	40.00		
21	Sangrur	10							10	100.00		
22	Tarn Taran	8							8	100.00		
	Total	150	17	11.33	10	6.67	6	4.00	117	78.00		

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
RAJASTHAN													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Almer	9							9	100.00			
2	Alwar	14							14	100.00			
3	Banswara	11	6	54.55	5	45.45							
4	Baran	7			3	42.86			4	57.14			
5	Barmer	17	2	11.76	1	5.88	2	11.76	12	70.59			
6	Bharatpur	10					1	10.00	9	90.00			
7	Bhilwara	12							12	100.00			
8	Bikaner	7	2	28.57	1	14.29			3	42.86	1	14.29	
9	Bundi	5	1	20.00	1	20.00	1	20.00	2	40.00			
10	Chittaurgarh	11							11	100.00			
11	Churu	7	1	14.29			1	14.29	4	57.14	1	14.29	
12	Dausa	6							6	100.00			
13	Dhaulpur	5					1	20.00	4	80.00			
14	Dungarpur	10	8	80.00	2	20.00							
15	Ganganagar	9	9	100.00									
16	Hanumangarh	7	6	85.71									
17	Jaipur	15							15	100.00			
18	Jaisalmer	3							3	100.00			
19	Jalor	8			1	12.50			7	87.50			
20	Jhalawar	8			3	37.50	1	12.50	4	50.00			
21	Jhunjhunun	8							8	100.00			
22	Jodhpur	16			1	6.25	1	6.25	14	87.50			
23	Karauli	6			1	16.67			5	83.33			
24	Kota	5			3	60.00			2	40.00			
25	Nagaur	14					1	7.14	13	92.86			
26	Pali	10	1	10.00	1	10.00			8	80.00			
27	Pratapgarh	5	1	20.00			1	20.00	3	60.00			
28	Rajsamand	7					2	28.57	5	71.43			
29	Sawai Madhopur	6							6	100.00			
30	Sikar	9					1	11.11	8	88.89			
31	Sirohi	5			1	20.00			4	80.00			
32	Tonk	6			2	33.33	1	16.67	3	50.00			
33	Udaipur	17			3	17.65	9	52.94	5	29.41			
	Total	295	37	12.54	29	9.83	23	7.80	203	68.81	3	1.02	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
SIKKIM													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	East	1	1	100.00									
2	North	1	1	100.00									
3	South	1	1	100.00									
4	West	1	1	100.00									
	Total	4	4	100.00									

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
TAMIL NADU													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Arivalur	15	14	93.33	1	6.67	0	0.00	0	0.00	0	0.00	0.00
2	Chengalpattu	40	18	45.00	17	42.50	2	5.00	3	7.50	0	0.00	0.00
3	Chennai	30	3	10.00	1	3.33	0	0.00	26	86.67	0	0.00	0.00
4	Coimbatore	38	1	2.63	5	13.16	2	5.26	30	78.95	0	0.00	0.00
5	Cuddalore	32	13	40.63	12	37.50	1	3.13	6	18.75	0	0.00	0.00
6	Dharmapuri	23	2	8.70	7	30.43	0	0.00	14	60.87	0	0.00	0.00
7	Dindigul	40	4	10.00	5	12.50	5	12.50	26	65.00	0	0.00	0.00
8	Erode	34	3	8.82	10	29.41	1	2.94	20	58.82	0	0.00	0.00
9	Kallakurichi	23	6	26.09	5	21.74	6	26.09	6	26.09	0	0.00	0.00
10	Kancheepuram	25	15	60.00	6	24.00	1	4.00	3	12.00	0	0.00	0.00
11	Kanniyakumari	18	17	94.44	1	5.56	0	0.00	0	0.00	0	0.00	0.00
12	Karur	20	2	10.00	4	20.00	0	0.00	14	70.00	0	0.00	0.00
13	Krishnagiri	29	9	31.03	7	24.14	1	3.45	12	41.38	0	0.00	0.00
14	Madurai	51	30	58.82	7	13.73	3	5.88	11	21.57	0	0.00	0.00
15	Nagapattinam	31	1	3.23	0	0.00	0	0.00	13	41.94	17	54.84	0.00
16	Namakkal	30	3	10.00	4	13.33	1	3.33	22	73.33	0	0.00	0.00
17	Perambalur	11	3	27.27	1	9.09	0	0.00	7	63.64	0	0.00	0.00
18	Pudukkottai	45	32	71.11	10	22.22	0	0.00	0	0.00	3	6.67	0.00
19	Ramanathapuram	38	29	76.32	0	0.00	0	0.00	0	0.00	9	23.68	0.00
20	Ranipet	18	1	5.56	11	61.11	2	11.11	4	22.22	0	0.00	0.00
21	Salem	44	6	13.64	2	4.55	2	4.55	34	77.27	0	0.00	0.00
22	Sivaganga	39	39	100.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
23	Tenkasi	31	9	29.03	4	12.90	1	3.23	17	54.84	0	0.00	0.00
24	Thanjavur	50	4	8.00	8	16.00	4	8.00	34	68.00	0	0.00	0.00
25	The Nilgiris	15	13	86.67	2	13.33	0	0.00	0	0.00	0	0.00	0.00
26	Theni	17	5	29.41	8	47.06	2	11.76	2	11.76	0	0.00	0.00
27	Thiruvallur	47	20	42.55	17	36.17	2	4.26	7	14.89	1	2.13	0.00
28	Thiruvannamalai	27	9	33.33	3	11.11	1	3.70	10	37.04	4	14.81	0.00
29	Thoothukkudi	41	35	85.37	2	4.88	1	2.44	3	7.32	0	0.00	0.00
30	Tiruchirappalli	43	17	39.53	8	18.60	1	2.33	17	39.53	0	0.00	0.00
31	Tirunelveli	29	20	68.97	6	20.69	1	3.45	2	6.90	0	0.00	0.00
32	Tirupathur	11	0	0.00	3	27.27	2	18.18	6	54.55	0	0.00	0.00
33	Tiruppur	33	1	3.03	5	15.15	4	12.12	23	69.70	0	0.00	0.00
34	Tiruvannamalai	52	0	0.00	23	44.23	6	11.54	23	44.23	0	0.00	0.00
35	Vellore	23	1	4.35	4	17.39	2	8.70	16	69.57	0	0.00	0.00
36	Viluppuram	34	5	14.71	6	17.65	4	11.76	19	55.88	0	0.00	0.00
37	Virudhunagar	39	19	48.72	10	25.64	5	12.82	5	12.82	0	0.00	0.00
	Total	1166	409	35.08	225	19.30	63	5.40	435	37.31	34	2.92	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
TELANGANA													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Adilabad	18	8	44.44	10	55.56							
2	Bhadrachari	23	15	65.22	8	34.78							
3	Hyderabad	16		0.00					16	100.00			
4	Jagtial	18	13	72.22	1	5.56	1	5.56	3	16.67			
5	Jangaon	12	2	16.67	5	41.67	1	8.33	4	33.33			
6	Jayashankar	11	9	81.82	2	18.18							
7	Jogulamba	12	11	91.67	1	8.33							
8	Kamareddy	22	14	63.64	6	27.27	2	9.09					
9	Karimnagar	16	10	62.50	4	25.00	2	12.50					
10	Khammam	21	14	66.67	7	33.33							
11	Komarambhem	15	15	100.00									
12	Mahabubabad	16	8	50.00	7	43.75	1	6.25					
13	Mahabubnagar	15	1	6.67	12	80.00	1	6.67	1	6.67			
14	Mancherial	18	18	100.00									
15	Medak	20	9	45.00	11	55.00							
16	Medchal	15	8	53.33	3	20.00	4	26.67					
17	Mulug	9	9	100.00									
18	Nagarkurnool	20	7	35.00	8	40.00	3	15.00	2	10.00			
19	Nalgonda	31	15	48.39	12	38.71	4	12.90					
20	Narayanpet	11	7	63.64	4	36.36							
21	Nirmal	19	18	94.74	1	5.26							
22	Nizamabad	29	12	41.38	10	34.48	5	17.24	2	6.90			
23	Peddapalle	14	13	92.86			1	7.14					
24	Rajanna	13		0.00	2	15.38	3	23.08	8	61.54			
25	Rangareddy	27	4	14.81	15	55.56	7	25.93	1	3.70			
26	Sangareddy	26	13	50.00	10	38.46	2	7.69	1	3.85			
27	Siddipet	23	5	21.74	15	65.22	2	8.70	1	4.35			
28	Suryapet	23	15	65.22	7	30.43	1	4.35					
29	Vikarabad	18	10	55.56	8	44.44							
30	Wanaparthy	14	14	100.00									
31	Warangal Rural	16	16	100.00									
32	Warangal Urban	11	3	27.27	3	27.27	1	9.09	4	36.36			
33	Yadadri	17	5	29.41	8	47.06	3	17.65	1	5.88			
		589	321	54.50	180	30.56	44	7.47	44	7.47	0		0.00

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
TRIPURA													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Dhalai	8	8	100.00									
2	Gomati	8	8	100.00									
3	Howai	6	6	100.00									
4	North Tripura	8	8	100.00									
5	Siphahijala	7	7	100.00									
6	South Tripura	8	8	100.00									
7	Unakoti	4	4	100.00									
8	West Tripura	10	10	100.00									
	Total	59	59	100.00									

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
UTTAR PRADESH												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Agra	16	1	6.25	3	18.75	2	12.50	10	62.50		
2	Aligarh	13	6	46.15	5	38.46	1	7.69	1	7.69		
3	Ambedkar Nagar	9	8	88.89	1	11.11						
4	Amethi	13	12	92.31	1	7.69						
5	Amroha	6			2	33.33	3	50.00	1	16.67		
6	Auraiya	7	7	100.00								
7	Ayodhya	11	9	81.82	2	18.18						
8	Azamgarh	22	15	68.18	7	31.82						
9	Baghpat	6			2	33.33	1	16.67	3	50.00		
10	Bahraich	14	14	100.00								
11	Ballia	17	17	100.00								
12	Balrampur	9	9	100.00								
13	Banda	8	4	50.00	4	50.00						
14	Barabanki	15	15	100.00								
15	Bareilly	16	11	68.75	4	25.00			1	6.25		
16	Basti	14	14	100.00								
17	Bijnaur	11	6	54.55	4	36.36	1	9.09				
18	Budaun	15	5	33.33	7	46.67			3	20.00		
19	Bulandshahr	16	2	12.50	4	25.00	4	25.00	6	37.50		
20	Chandauli	9	9	100.00								
21	Chitrakoot	5	1	20.00	3	60.00	1	20.00				
22	Deoria	16	16	100.00								
23	Etah	8	2	25.00	4	50.00	2	25.00				
24	Etawah	8	8	100.00								
25	Farrukhabad	7	3	42.86	4	57.14						
26	Fatehpur	13	7	53.85	4	30.77	1	7.69	1	7.69		
27	Firozabad	9			3	33.33	1	11.11	5	55.56		
28	G.B. Nagar	4			1	25.00	2	50.00	1	25.00		
29	Ghaziabad	5			1	20.00			4	80.00		
30	Ghazipur	16	15	93.75	1	6.25						
31	Gonda	16	16	100.00								
32	Gorakhpur	19	19	100.00								
33	Hamirpur	7	3	42.86	4	57.14						
34	Hapur	4			1	25.00	2	50.00	1	25.00		
35	Hardoi	19	18	94.74	1	5.26						
36	Hathras	7	1	14.29	1	14.29	2	28.57	3	42.86		
37	Jalaun	9	9	100.00								
38	Jaunpur	21	11	52.38	8	38.10	2	9.52				
39	Jhansi	8	4	50.00	4	50.00						
40	Kannauj	8	3	37.50	3	37.50			2	25.00		
41	Kanpur Dehat	10	3	30.00	7	70.00						
42	Kanpur Nagar	11	3	27.27	6	54.55	2	18.18				
43	Kasganj	7	3	42.86	3	42.86	1	14.29				
44	Kaushambi	8	2	25.00	4	50.00			2	25.00		
45	Kushi Nagar	14	14	100.00								
46	Lakhimpur Khiri	15	15	100.00								
47	Lalitpur	6	6	100.00								
48	Lucknow	9	8	88.89					1	11.11		
49	Maharajganj	12	12	100.00								
50	Mahoba	4			2	50.00			2	50.00		
51	Mainpuri	9	5	55.56	3	33.33			1	11.11		
52	Mathura	10	6	60.00	1	10.00	1	10.00	2	20.00		
53	Mau	9	9	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
UTTAR PRADESH													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
54	Meerut	13	5	38.46	4	30.77	3	23.08	1	7.69			
55	Mirzapur	12	7	58.33	2	16.67	2	16.67	1	8.33			
56	Moradabad	9	1	11.11	6	66.67	1	11.11	1	11.11			
57	Muzaffarnagar	9	4	44.44	3	33.33	1	11.11	1	11.11			
58	Pilibhit	7	7	100.00									
59	Pratapgarh	17	5	29.41	8	47.06	4	23.53					
60	Prayagraj	21	12	57.14	6	28.57	2	9.52	1	4.76			
61	Rae Bareilly	18	18	100.00									
62	Rampur	6	2	33.33	3	50.00	1	16.67					
63	S.Kabir Nagar	9	9	100.00									
64	S.Ravidas Nagar	6			6	100.00							
65	Saharanpur	11	1	9.09	5	45.45	1	9.09	4	36.36			
66	Shahjahanpur	15	15	100.00									
67	Shamhal	8	1	12.50	2	25.00	5	62.50					
68	Shamli	5			1	20.00			4	80.00			
69	Shrawasti	5	5	100.00									
70	Siddharth Nagar	14	14	100.00									
71	Sitapur	19	19	100.00									
72	Sonbhadra	8	6	75.00	2	25.00							
73	Sultanpur	13	13	100.00									
74	Unnao	16	16	100.00									
75	Varanasi	9	1	11.11	5	55.56			3	33.33			
	Total	830	541	65.18	174	20.96	49	5.90	66	7.95			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
UTTARAKHAND												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Dehradun	3	3	100.00								
2	Hardwar	6	4	66.66	2	33.34						
3	Udham Singh Nagar	7	6	85.71	1	14.29						
4	Nainital	2	1	50.00	1	50.00						
	Total	18	14	77.78	4	22.22						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2013													
WEST BENGAL													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Bankura	22	21	95.45	1	4.55							
2	Bardhaman	32	21	65.63	11	34.38							
3	Birbhum	19	13	68.42	6	31.58							
4	Dakshin Dinajpur	8	8	100.00									
5	Darjiling	2	2	100.00									
6	Haora	5	5	100.00									
7	Hugli	18	5	27.78	12	66.67	1	5.56					
8	Jalpaiguri	8	8	100.00									
9	Koch Bihar	12	12	100.00									
10	Malda	15	14	93.33	1	6.67							
11	Murshidabad	26	9	34.62	17	65.38							
12	Nadia	17	6	35.29	11	64.71							
13	North 24 Parganas	17	16	94.12	1	5.88							
14	Paschim Medinipur	29	22	75.86	7	24.14							
15	Purba Medinipur	9			9	100.00							
16	Puruliya	20	20	100.00									
17	Uttar Dinajpur	9	9	100.00									
	Total	268	191	71.27	76	28.36	1	0.37					

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
ANDAMAN & NICOBAR ISLANDS												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	N & M Andaman	13	13	100.00								
2	Nicobar	13	12	92.30							1	7.70
3	South Andaman	10	10	100.00								
	Total	36	35	97.22							1	2.78

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
CHANDIGARH												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Chandigarh	1			1	100.00						
	Total	1			1	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
DADRA & NAGAR HAVELI												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Dadra & Nagar Haveli	1	1	100.00								
	Total	1	1	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
DAMAN & DIU												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Daman	1	0	0.00					1	100.00		
2	Diu	1	1	100.00					0	0.00		
	Total	2	1	50.00					1	50.00		

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
JAMMU & KASHMIR													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Anantnag	1	1	100.00									
2	Bandipora	1	1	100.00									
3	Baramulla	1	1	100.00									
4	Budgam	1	1	100.00									
5	Doda	1	1	100.00									
6	Ganderbal	1	1	100.00									
7	Jammu	1	1	100.00									
8	Kathua	1	1	100.00									
9	Kishtwar	1	1	100.00									
10	Kulgam	1	1	100.00									
11	Kupwara	1	1	100.00									
12	Poonch	1	1	100.00									
13	Pulwama	1	1	100.00									
14	Rajouri	1	1	100.00									
15	Ramban	1	1	100.00									
16	Reasi	1	1	100.00									
17	Samba	1	1	100.00									
18	Shopian	1	1	100.00									
19	Srinagar	1	1	100.00									
20	Udhampur	1	1	100.00									
Total		20	20	100.00									

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
LADAKH												
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			No.	%	No.	%	No.	%	No.	%	No.	%
1	Kargil	1	1	100.00								
2	Leh	1	1	100.00								
	Total	2	2	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
LAKSHADWEEP													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Agatti	1	1	100.00									
2	Amini	1			1	100.00							
3	Androth	1	1	100.00									
4	Chetlat	1	1	100.00									
5	Kadmat	1	1	100.00									
6	Kalpeni	1	1	100.00									
7	Kavaratti	1			1	100.00							
8	Kiltan	1	1	100.00									
9	Minicoy	1	1	100.00									
	Total	9	7	77.78	2	22.22							

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020													
PUDUCHERRY													
S.No	Name of District	Total No. of Assessed Units	Safe		Semi-Critical		Critical		Over-Exploited		Saline		
			No.	%	No.	%	No.	%	No.	%	No.	%	
1	Karaikal	1	1	100.00									
2	Mahe	1	1	100.00									
3	Puducherry	1					1	100.00					
4	Yanam	1									1	100.00	
	Total	4	2	50.00			1	25.00			1	25.00	

Annexure - III(C)**State-Wise Annual Extractable Ground Water Resource
of Assessment Units under Different Category in India
(as in 2020)**

Dynamic Ground Water Resources Assessment of India - 2020

ANNUAL EXTRACTABLE RESOURCE OF ASSESSMENT UNITS UNDER DIFFERENT CATEGORIES IN INDIA(2020)										
S.No.	State/Union Territories	Total Annual Extractable Resource of Assessed Units (in mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Total Annual Extractable Resource (in mcm)	%	Total Annual Extractable Resource (in mcm)	%	Total Annual Extractable Resource (in mcm)	%	Total Annual Extractable Resource (in mcm)	%
1	Andhra Pradesh	22943.54	21492.71	93.68	733.38	3.20	279.23	1.22	438.21	1.91
2	Arunachal Pradesh	2916.26	2916.26	100.00						
3	Assam	21965.63	21965.63	100.00						
4	Bihar	25455.91	22771.55	89.45	2206.14	8.67	171.72	0.67	306.51	1.20
5	Chhattisgarh	11547.65	8367.50	72.46	2232.50	19.33	947.66	8.21		
6	Delhi	286.31	32.44	11.33	52.50	18.34	72.36	25.27	129.01	45.06
7	Goa	321.70	321.70	100.00						
8	Gujarat	24905.26	19795.23	79.48	2564.80	10.30	493.40	1.98	2051.83	8.24
9	Haryana	8629.78	1455.59	16.87	983.94	11.40	621.32	7.20	5568.92	64.53
10	Himachal Pradesh	969.67	969.67	100.00						
11	Jharkhand	5644.32	5269.54	93.36	284.98	5.05	41.10	0.73	48.70	0.86
12	Karnataka	16395.84	10118.72	61.72	2313.09	14.11	778.99	4.75	3185.03	19.43
13	Kerala	5119.58	4181.63	81.68	801.49	15.66	136.45	2.67		
14	Madhya Pradesh	33380.40	24254.07	72.66	5021.66	15.04	754.83	2.26	3349.83	10.04
15	Maharashtra	30250.45	21670.11	71.64	6741.00	22.28	950.09	3.14	889.25	2.94
16	Manipur	462.96	462.96	100.00						
17	Meghalaya	1819.54	1819.54	100.00						
18	Mizoram	199.81	199.81	100.00						
19	Nagaland	1949.88	1949.88	100.00						
20	Odisha	15712.93	15343.01	97.65	369.93	2.35				
21	Punjab	20590.10	2518.79	12.23	827.95	4.02	980.13	4.76	16263.23	78.99
22	Rajasthan	11073.63	1144.95	10.34	1441.41	13.02	706.85	6.38	7780.42	70.26
23	Sikkim	864.45	864.45	100.00						
24	Tamil Nadu	17690.07	6973.59	39.42	3921.48	22.17	1050.93	5.94	5744.07	32.47
25	Telangana	15026.12	10403.46	69.24	3461.87	23.04	700.20	4.66	460.60	3.07
26	Tripura	1244.54	1244.54	100.00						
27	Uttar Pradesh	66882.45	46000.68	68.78	12755.08	19.07	3822.59	5.72	4304.10	6.44
28	Uttarakhand	1852.90	1506.64	81.31	346.26	18.69				
29	West Bengal*	26558.47	19498.91	73.42	6991.06	26.32	68.50	0.26		
30	Andaman and Nicobar	284.92	284.92	100.00						
31	Chandigarh	57.38			57.38	100.00				
32	Dadra & Nagar Haveli	67.52	67.52	100.00						
	Daman & Diu	27.56	2.33	8.45					25.23	91.55
33	Jammu and Kashmir	4215.33	4215.33	100.00						
34	Ladakh	106.10	106.10	100.00						
35	Lakshadweep	4.99	3.84	76.99	1.15	23.01				
36	Puducherry	201.01	64.82	32.25			136.18	67.75		
	Grand Total	397624.96	280258.44	70.48	54109.04	13.61	12712.53	3.20	50544.94	12.71
NOTE										
*West Bengal- The Ground Water Resource Assessment as on 2013 has been considered for state of West Bengal.										

Annexure - III(D)**District-Wise Annual Extractable Ground Water Resource
of Assessment Units under Different Category in India
(as in 2020)**

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
ANDHRA PRADESH										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Anantapur	1762.14	1329.96	75.47	107.21	6.08	28.43	1.61	296.55	16.83
2	Chittoor	1310.56	889.35	67.86	324.56	24.77	96.64	7.37		
3	East Godavari	2493.07	2468.32	99.01	24.75	0.99				
4	Guntur	1690.53	1621.51	95.92			21.02	1.24	47.99	2.84
5	Kadapa	1099.26	857.59	78.02	122.19	11.12	88.99	8.10	30.49	2.77
6	Krishna	2570.24	2538.80	98.78	31.44	1.22				
7	Kurnool	1738.35	1702.85	97.96	27.79	1.60	7.71	0.44		
8	Nellore	2998.47	2931.31	97.76	30.72	1.02	36.44	1.22		
9	Prakasam	1265.88	1137.99	89.90	64.72	5.11			63.17	4.99
10	Srikakulam	1217.86	1217.86	100.00		0.00				
11	Visakhapatnam	939.61	939.61	100.00		0.00				
12	Vizianagaram	2143.53	2143.53	100.00		0.00				
13	West Godavari	1714.03	1714.03	100.00		0.00				
	Total	22943.54	21492.71	93.68	733.38	3.20	279.23	1.22	438.21	1.91

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
ARUNACHAL PRADESH										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Tirap	71.18	71.18	100.00						
2	Changlang	213.90	213.90	100.00						
3	Lohit	873.24	873.24	100.00						
4	Lower Dibang Valley	699.66	699.66	100.00						
5	East Siang	739.91	739.91	100.00						
6	West Siang	48.26	48.26	100.00						
7	East Kameng	110.06	110.06	100.00						
8	West Kameng	25.21	25.21	100.00						
9	Lower Subansiri	37.91	37.91	100.00						
10	Upper Subansiri	2.89	2.89	100.00						
11	Papum Pare	94.02	94.02	100.00						
	Total	2916.26	2916.26	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020									
ASSAM									
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	
1	Baksa	1271.49	1271.49	100.00					
2	Barpeta	1131.26	1131.26	100.00					
3	Bongaigaon	477.58	477.58	100.00					
4	Cachar	404.44	404.44	100.00					
5	Chirang	1013.27	1013.27	100.00					
6	Darrang	475.93	475.93	100.00					
7	Dhemaji	1037.71	1037.71	100.00					
8	Dhubri	1009.36	1009.36	100.00					
9	Dibrugarh	1046.54	1046.54	100.00					
10	Dima Hasao	404.40	404.40	100.00					
11	Goalpara	644.83	644.83	100.00					
12	Golaghat	1033.04	1033.04	100.00					
13	Hailakandi	128.55	128.55	100.00					
14	Jorhat	654.54	654.54	100.00					
15	Kamrup	821.91	821.91	100.00					
16	Kamrup Metro Rural	1563.53	1563.53	100.00					
17	Kamrup Metro Urban	473.62	473.62	100.00					
18	Karbi Anglong	2086.05	2086.05	100.00					
19	Karimganj	113.70	113.70	100.00					
20	Kokrajhar	61.07	61.07	100.00					
21	Lakhimpur	546.00	546.00	100.00					
22	Morigaon	435.90	435.90	100.00					
23	Nagaon	1223.34	1223.34	100.00					
24	Nalbari	387.03	387.03	100.00					
25	Sivasagar	654.65	654.65	100.00					
26	Sonitpur	1223.80	1223.80	100.00					
27	Tinsukia	1156.99	1156.99	100.00					
28	Udalguri	485.06	485.06	100.00					
	Total	21965.63	21965.63	100.00					

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
BIHAR											
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited		%
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	
1	Araria	759.21	759.21	100.00							
2	Arwal	187.06	187.06	100.00							
3	Aurangabad	768.06	768.06	100.00							
4	Banka	459.12	459.12	100.00							
5	Begusarai	501.66	451.52	90.01	50.14	9.99					
6	Bhagalpur	694.70	694.70	100.00							
7	Bhojpur	691.14	432.81	62.62	258.33	37.38					
8	Buxar	495.89	449.45	90.64	46.43	9.36					
9	Darbhanga	650.20	650.20	100.00							
10	East Champaran	1288.66	1288.66	100.00							
11	Gaya	1069.23	649.99	60.79	275.21	25.74			144.02	13.47	
12	Gopalganj	591.11	591.11	100.00							
13	Jamui	392.54	392.54	100.00							
14	Jehanabad	287.07			137.28	47.82	109.02	37.98	40.78	14.21	
15	Kaimur	741.29	741.29	100.00							
16	Katihar	1124.16	1084.53	96.47	39.63	3.53					
17	Khagaria	536.94	536.94	100.00							
18	Kishanganj	648.43	648.43	100.00							
19	Lakhisarai	261.26	222.25	85.07	39.01	14.93					
20	Madhepura	608.72	306.50	50.35	302.23	49.65					
21	Madhubani	936.79	936.79	100.00							
22	Munger	298.24	298.24	100.00							
23	Muzaffarpur	981.84	841.99	85.76	44.71	4.55			95.14	9.69	
24	Nalanda	649.45	471.25	72.56	151.63	23.35			26.57	4.09	
25	Nawada	558.85	445.73	79.76	98.13	17.56	14.99	2.68			
26	Patna	894.17	562.95	62.96	331.23	37.04					
27	Purnia	962.16	887.64	92.26	74.52	7.74					
28	Rohats	795.19	795.19	100.00							
29	Saharsa	562.59	562.59	100.00							
30	Samastipur	844.12	782.11	92.65	62.01	7.35					
31	Saran	824.30	805.90	97.77	18.40	2.23					
32	Sheikhpura	163.93	163.93	100.00							
33	Sheohar	144.97	144.97	100.00							
34	Sitamarhi	585.89	538.75	91.95	47.14	8.05					
35	Siwan	816.60	770.70	94.38	45.90	5.62					
36	Supaul	741.79	741.79	100.00							
37	Vaishali	675.84	443.92	65.68	184.21	27.26	47.71	7.06			
38	West Champaran	1262.75	1262.75	100.00							
	Total	25455.91	22771.55	89.45	2206.14	8.67	171.72	0.67	306.51	1.20	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
CHHATISGARH										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Balod	331.35	147.68	44.57	123.40	37.24	60.27	18.19		
2	Baloda Bazar	545.88	443.96	81.33	101.92	18.67				
3	Balrampur	477.78	477.78	100.00						
4	Bastar	291.39	291.39	100.00						
5	Bemetara	445.55			211.28	47.42	234.27	52.58		
6	Bijapur	560.73	560.73	100.00						
7	Bilaspur	497.37	393.70	79.16	103.66	20.84				
8	Dantewara	288.54	288.54	100.00						
9	Dhamtari	429.09			290.04	67.59	139.05	32.41		
10	Durg	311.93			217.04	69.58	94.88	30.42		
11	Gariaband	336.13	244.23	72.66	91.90	27.34				
12	Janjgir-Champa	434.81	298.95	68.75	135.86	31.25				
13	Jashpur	332.48	332.48	100.00						
14	Kanker	740.25	675.41	91.24	64.83	8.76				
15	Kawardha	489.45	168.82	34.49	109.00	22.27	211.63	43.24		
16	Kondagaon	333.79	333.79	100.00						
17	Korba	388.75	327.31	84.20	61.44	15.80				
18	Koriya	462.43	462.43	100.00						
19	Mahasamund	593.19	355.64	59.95	237.55	40.05				
20	Mungeli	142.61	142.61	100.00						
21	Narayanpur	259.78	259.78	100.00						
22	Raigarh	452.89	313.78	69.28	139.12	30.72				
23	Raipur	425.00	328.03	77.18			96.97	22.82		
24	Rajnandgaon	750.19	374.70	49.95	264.91	35.31	110.59	14.74		
25	Sukma	465.90	465.90	100.00						
26	Surajpur	343.21	262.68	76.54	80.53	23.46				
27	Surguja	417.21	417.21	100.00						
	Total	11547.65	8367.50	72.46	2232.50	19.33	947.66	8.21		

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
DELHI											
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited		%
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	
1	Central	18.06			11.95	66.20			6.10	33.80	
2	East	14.02			8.62	61.51			5.40	38.49	
3	New Delhi	20.75							20.75	100.00	
4	North	46.33					25.12	54.22	21.21	45.78	
5	North East	10.75					9.04	84.05	1.71	15.95	
6	North West	33.24	27.76	83.52	5.48	16.48					
7	Shahdara	13.40					4.86	36.29	8.54	63.71	
8	South	24.42							24.42	100.00	
9	South East	15.59					7.03	45.09	8.56	54.91	
10	South West	54.88					26.31	47.94	28.57	52.06	
11	West	30.19			26.44	87.60			3.74	12.40	
12	Nazul Land	4.67	4.67	100.00							
	Total	286.31	32.44	11.33	52.50	18.34	72.36	25.27	129.01	45.06	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
GOA										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Goa North	149.30	149.30	100.00						
2	South Goa	172.40	172.40	100.00						
	Total	321.70	321.70	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
GUJARAT										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Ahmedabad	606.09	291.78	48.14	231.79	38.24	82.52	13.62		
2	Anand	1482.04	1438.13	97.04	43.91	2.96				
3	Anand	970.61	970.61	100.00						
4	Arvali	727.51	727.51	100.00						
5	Banaskantha	1069.27	191.89	17.95	309.11	28.91			568.27	53.15
6	Bharuch	777.66	777.66	100.00						
7	Bhavnagar	973.78	973.78	100.00						
8	Botad	470.51	470.51	100.00						
9	Chhota Udepur	492.97	492.97	100.00						
10	Dahod	472.34	472.34	100.00						
11	Dang	287.52	287.52	100.00						
12	Devbhumi Dwaraka	425.21	425.21	100.00						
13	Gandhinagar	475.91	0.00	0.00	211.16	44.37			264.75	55.63
14	Gir Somnath	577.87	500.42	86.60	77.46	13.40				
15	Jamnagar	1621.69	1621.69	100.00						
16	Junagadh	811.15	315.23	38.86	194.13	23.93	121.23	14.95	180.56	22.26
17	Kachchh	787.73	530.47	67.34					257.26	32.66
18	Kheda	1459.66	1448.38	99.23	11.28	0.77				
19	Mahesana	1009.91	0.00	0.00	374.85	37.12	152.47	15.10	482.59	47.79
20	Mahisagar	283.01	283.01	100.00						
21	Morbi	578.89	578.89	100.00						
22	Narmada	365.70	185.27	50.66	180.43	49.34				
23	Navsari	624.01	624.01	100.00						
24	Panchmahal	433.56	433.56	100.00						
25	Patan	341.72	0.02	0.01	96.06	28.11	137.18	40.14	108.46	31.74
26	Porbandar	251.23	173.40	69.02	77.83	30.98				
27	Rajkot	1811.10	1605.73	88.66	205.38	11.34				
28	Sabarkantha	672.92	268.85	39.95	330.29	49.08			73.78	10.96
29	Surat	1110.37	1110.37	100.00						
30	Surendra Nagar	764.74	714.39	93.42	50.35	6.58				
31	Tapi	582.13	582.13	100.00						
32	Vadodara	978.44	691.50	70.67	170.79	17.46			116.15	11.87
33	Valsad	608.02	608.02	100.00						
	Total	24905.26	19795.23	79.48	2564.80	10.30	493.40	1.98	2051.83	8.24

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
HARYANA										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Ambala	432.24	0.00	0.00	72.13	16.69	162.37	37.56	197.75	45.75
2	Bhiwani	381.37	58.06	15.22	147.44	38.66	0.00	0.00	175.87	46.12
3	Charkhi Dadri	174.17	76.88	44.14	0.00	0.00	0.00	0.00	97.28	55.86
4	Faridabad	148.47	0.00	0.00	0.00	0.00	0.00	0.00	148.47	100.00
5	Fatehabad	535.28	0.00	0.00	0.00	0.00	64.14	11.98	471.14	88.02
6	Gurgaon	204.22	0.00	0.00	0.00	0.00	0.00	0.00	204.22	100.00
7	Hisar	535.89	86.75	16.19	212.91	39.73	98.29	18.34	137.94	25.74
8	Jhajjar	340.42	311.20	91.42	29.22	8.58	0.00	0.00	0.00	0.00
9	Jind	770.97	106.31	13.79	79.05	10.25	0.00	0.00	585.61	75.96
10	Kaithal	547.56	0.00	0.00	0.00	0.00	0.00	0.00	547.56	100.00
11	Karnal	730.90	0.00	0.00	136.11	18.62	0.00	0.00	594.79	81.38
12	Kurukshetra	352.41	0.00	0.00	0.00	0.00	0.00	0.00	352.41	100.00
13	Mahendragarh	256.22	63.06	24.61	21.60	8.43	44.26	17.28	127.30	49.68
14	Mewat	176.24	60.79	34.49	17.03	9.66	68.48	38.86	29.94	16.99
15	Palwal	348.62	77.24	22.16	155.11	44.49	57.95	16.62	58.32	16.73
16	Panchkula	140.03	102.87	73.46	0.00	0.00	37.16	26.54	0.00	0.00
17	Panipat	320.41	0.00	0.00	0.00	0.00	0.00	0.00	320.41	100.00
18	Rewari	278.29	0.00	0.00	0.00	0.00	54.08	19.43	224.21	80.57
19	Rohatak	297.47	297.47	100.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Sirsa	547.46	0.00	0.00	113.34	20.70	0.00	0.00	434.12	79.30
21	Sonipat	593.55	214.97	36.22	0.00	0.00	0.00	0.00	378.59	63.78
22	Yamuna Nagar	517.59	0.00	0.00	0.00	0.00	34.58	6.68	483.01	93.32
	Total	8629.78	1455.59	16.87	983.94	11.40	621.32	7.20	5568.93	64.53

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
HIMACHAL PRADESH										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Kangra	510.26	510.26	100.00						
2	Mandi	34.33	34.33	100.00						
3	Sirmaour	83.30	83.30	100.00						
4	Solan	146.30	146.30	100.00						
5	Una	195.49	195.49	100.00						
	Total	969.67	969.67	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
JHARKHAND										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Bokaro	223.38	167.80	75.12	41.77	18.70			13.82	6.19
2	Chatra	236.04	236.04	100.00						
3	Deoghar	142.69	134.37	94.17	8.31	5.83				
4	Dhanbad	235.77	115.92	49.17	89.35	37.90	13.39	5.68	17.11	7.26
5	Dumka	253.66	253.66	100.00						
6	East Singhbhum	261.14	243.37	93.20					17.77	6.80
7	Garhwa	279.91	250.80	89.60	29.11	10.40				
8	Giridih	388.22	388.22	100.00						
9	Godda	193.34	193.34	100.00						
10	Gumla	332.14	332.14	100.00						
11	Hazaribagh	298.43	289.52	97.02	8.91	2.98				
12	Jamtara	83.28	83.28	100.00						
13	Khunti	123.12	123.12	100.00						
14	Koderma	64.05	64.05	100.00						
15	Latehar	220.61	220.61	100.00						
16	Lohardaga	170.52	170.52	100.00						
17	Pakur	220.15	220.15	100.00						
18	Palamau	320.55	320.55	100.00						
19	Ramgarh	114.58	64.89	56.63	49.69	43.37				
20	Ranchi	394.41	308.85	78.31	57.84	14.67	27.71	7.03		
21	Sahebganj	259.59	259.59	100.00						
22	Saraikela - Kharsawa	164.30	164.30	100.00						
23	Simdega	214.16	214.16	100.00						
24	West Singhbhum	450.26	450.26	100.00						
	Total	5644.32	5269.54	93.36	284.98	5.05	41.10	0.73	48.70	0.86

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
KARNATAKA										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Bagalkot	520.59	122.05	23.44	170.25	32.70	63.79	12.25	164.49	31.60
2	Bangalore Rural	183.31							183.31	100.00
3	Bangalore Urban	158.62							158.62	100.00
4	Belagavi	957.62	350.88	36.64	328.19	34.27	43.22	4.51	235.33	24.57
5	Bellary	722.46	481.05	66.59	86.42	11.96			154.99	21.45
6	Bidar	258.83	186.78	72.16	72.05	27.84				
7	Chamrajnagara	329.92			115.34	34.96	30.23	9.16	184.36	55.88
8	Chikballapur	370.53							370.53	100.00
9	Chikmagalur	668.00	534.18	79.97					133.82	20.03
10	Chitradurga	481.19	71.66	14.89					409.53	85.11
11	Dakshin Kanna	562.61	562.61	100.00						
12	Davangere	564.48	216.59	38.37	112.28	19.89	83.47	14.79	152.14	26.95
13	Dharwad	260.95	260.95	100.00						
14	Gadag	265.96	27.15	10.21	127.96	48.11	66.14	24.87	44.72	16.81
15	Hassan	773.29	531.66	68.75			142.86	18.47	98.76	12.77
16	Haveri	686.55	427.51	62.27	259.04	37.73				
17	Kalburagi	501.69	411.35	81.99	90.34	18.01				
18	Kodagu	360.46	360.46	100.00						
19	Kolar	399.62							399.62	100.00
20	Koppal	633.87	433.58	68.40	154.21	24.33			46.08	7.27
21	Mandya	843.70	676.46	80.18	167.24	19.82				
22	Mysuru	725.45	668.00	92.08	57.46	7.92				
23	Raichur	620.08	429.91	69.33	190.17	30.67				
24	Ramanagara	375.54			68.32	18.19	307.22	81.81		
25	Shivamogga	1024.85	1024.85	100.00						
26	Tumakuru	764.52	251.11	32.85	64.67	8.46			448.74	58.70
27	Udupi	604.25	604.25	100.00						
28	Uttar Kannada	918.41	918.41	100.00						
29	Vijayapura	453.72	296.17	65.28	115.50	25.46	42.05	9.27		
30	Yadgir	404.77	271.12	66.98	133.65	33.02				
	Total	16395.84	10118.72	61.72	2313.09	14.11	778.99	4.75	3185.03	19.43

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
KERALA										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Alappuzha	387.42	387.42	100.00						
2	Ernakulam	459.60	459.60	100.00						
3	Idukki	188.77	145.06	76.85	43.71	23.15				
4	Kannur	406.38	345.25	84.96	61.13	15.04				
5	Kasargod	291.52	92.25	31.65	153.30	52.59	45.97	15.77		
6	Kollam	340.07	308.73	90.79	31.33	9.21				
7	Kottayam	371.91	371.91	100.00						
8	Kozhikode	311.30	257.93	82.86	53.36	17.14				
9	Malappuram	475.97	252.44	53.04	223.53	46.96				
10	Palakkad	584.10	433.97	74.30	59.64	10.21	90.49	15.49		
11	Pathanamthitta	241.32	241.32	100.00						
12	Thiruvananthapuram	272.86	193.54	70.93	79.31	29.07				
13	Thrissur	568.83	472.65	83.09	96.17	16.91				
14	Wayanad	219.55	219.55	100.00						
	Total	5119.58	4181.63	81.68	801.49	15.66	136.45	2.67		

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
MADHYA PRADESH										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Agar Malwa	410.28	111.64	27.21	106.19	25.88			192.46	46.91
2	Alirajpur	213.27	213.27	100.00						
3	Anuppur	377.35	377.35	100.00						
4	Ashoknagar	357.02	283.47	79.40	73.55	20.60				
5	Balaghat	780.53	780.53	100.00						
6	Barwani	517.46	354.96	68.60	103.68	20.04			58.81	11.36
7	Betul	1134.78	823.52	72.57	311.26	27.43				
8	Bhind	887.47	887.47	100.00						
9	Bhopal	368.65	206.30	55.96	162.35	44.04				
10	Burhanpur	373.44	373.44	100.00						
11	Chhatarpur	804.54	438.95	54.56	365.58	45.44				
12	Chhindwara	987.87	671.36	67.96	218.60	22.13	97.91	9.91		
13	Damoh	392.98	338.45	86.12	54.53	13.88				
14	Datia	407.68	407.68	100.00						
15	Dewas	808.02	427.58	52.92	114.76	14.20			265.68	32.88
16	Dhar	1049.13	623.22	59.40			76.18	7.26	349.73	33.34
17	Dindori	388.37	388.37	100.00						
18	Guna	752.66	752.66	100.00						
19	Gwalior	736.89	712.21	96.65	24.68	3.35				
20	Harda	466.87	466.87	100.00						
21	Hoshangabad	1950.19	1749.06	89.69	201.14	10.31				
22	Indore	546.14			107.28	19.64			438.86	80.36
23	Jabalpur	589.97	582.55	98.74			7.42	1.26		
24	Jhabua	262.34	238.59	90.95	23.75	9.05				
25	Katni	366.77	366.77	100.00						
26	Khandwa	900.37	781.31	86.78	119.06	13.22				
27	Khargone	1059.61	998.02	94.19	61.60	5.81				
28	Mandla	592.44	592.44	100.00						
29	Mandsaur	603.60			136.36	22.59	161.97	26.83	305.27	50.57
30	Morena	637.85	637.85	100.00						
31	Narsinghpur	1135.41	931.36	82.03	204.05	17.97				
32	Neemuch	383.00			139.58	36.44			243.42	63.56
33	Panna	582.60	582.60	100.00						
34	Raisen	819.49	725.29	88.51	94.20	11.49				
35	Raigarh	775.04	149.65	19.31	330.79	42.68	294.60	38.01		
36	Ratlam	763.23			103.28	13.53			659.94	86.47
37	Rewa	483.68	449.39	92.91	34.29	7.09				
38	Sagar	999.30	999.30	100.00						
39	Satna	592.92	382.62	64.53	210.30	35.47				
DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										

MADHYA PRADESH											
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited		
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	
40	Sehore	651.88	535.13	82.09			116.75	17.91			
41	Seoni	682.50	682.50	100.00							
42	Shahdol	439.89	439.89	100.00							
43	Shajapur	532.50			129.10	24.24			403.40	75.76	
44	Sheopur	511.73	511.73	100.00							
45	Shivpuri	747.29	300.26	40.18	447.04	59.82					
46	Sidhi	474.94	474.94	100.00							
47	Singrauli	340.54	340.54	100.00							
48	Tikamgarh	563.61	101.62	18.03	461.99	81.97					
49	Ujjain	918.01			485.74	52.91			432.26	47.09	
50	Umaria	414.78	414.78	100.00							
51	Vidisha	843.53	646.61	76.66	196.92	23.34					
	Total	33380.40	24254.07	72.66	5021.66	15.04	754.83	2.26	3349.83	10.04	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
MAHARASHTRA											
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited		
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	
1	Ahmednagar	1508.69	461.57	30.59	548.34	36.35	420.36	27.86	78.42	5.20	
2	Akola	356.10	302.66	84.99	53.44	15.01					
3	Amravati	803.79	260.44	32.40	204.45	25.44			338.90	42.16	
4	Aurangabad	1008.11	205.88	20.42	802.22	79.58					
5	Beed	1220.66	1220.66	100.00							
6	Bhandara	858.04	858.04	100.00							
7	Buldhana	865.93	139.99	16.17	631.67	72.95			94.27	10.89	
8	Chandrapur	1105.55	1105.55	100.00							
9	Dhule	682.67	682.67	100.00							
10	Gadchiroli	1015.22	1015.22	100.00							
11	Gondia	625.49	625.49	100.00							
12	Hingoli	970.05	970.05	100.00							
13	Jalgaon	1352.65	292.78	21.64	877.10	64.84			182.77	13.51	
14	Jalna	785.94	785.94	100.00							
15	Kolhapur	1136.55	1136.55	100.00							
16	Latur	648.34	550.83	84.96	97.51	15.04					
17	Nagpur	914.33	781.38	85.46	132.94	14.54					
18	Nanded	1178.58	1178.58	100.00							
19	Nandurbar	478.44	478.44	100.00							
20	Nashik	1849.91	1118.84	60.48	351.40	19.00	379.67	20.52			
21	Osmanabad	814.77	565.61	69.42	249.15	30.58					
22	Palghar	183.52	183.52	100.00							
23	Parbhani	827.30	827.30	100.00							
24	Pune	1744.55	376.49	21.58	1218.01	69.82	150.06	8.60			
25	Raigad	362.47	362.47	100.00							
26	Ratnagiri	386.98	386.98	100.00							
27	Sangli	1304.60	1187.56	91.03	117.04	8.97					
28	Satara	958.41	464.05	48.42	494.35	51.58					
29	Sindhudurg	218.30	218.30	100.00							
30	Solapur	1379.11	300.07	21.76	884.15	64.11			194.89	14.13	
31	Thane	164.03	164.03	100.00							
32	Wardha	801.98	722.76	90.12	79.23	9.88					
33	Washim	553.14	553.14	100.00							
34	Yawatmal	1186.28	1186.28	100.00							
	Total	30250.45	21670.11	71.64	6741.00	22.28	950.09	3.14	889.25	2.94	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
MANIPUR										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Bishnupur	106.60	106.60	100.00						
2	Churachandpur	74.10	74.10	100.00						
3	Imphal East	133.28	133.28	100.00						
4	Imphal West	77.88	77.88	100.00						
5	Thoubal	71.09	71.09	100.00						
	Total	462.96	462.96	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
MEGHALAYA										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	East Garo Hills	61.27	61.27	100.00						
2	East Jaintia Hills	177.27	177.27	100.00						
3	East Khasi Hills	90.81	90.81	100.00						
4	North Garo Hills	110.83	110.83	100.00						
5	Ri-Bhoi	78.94	78.94	100.00						
6	South Garo Hills	90.18	90.18	100.00						
7	South West Garo Hills	98.66	98.66	100.00						
8	South West Khasi Hills	144.17	144.17	100.00						
9	West Garo Hills	351.18	351.18	100.00						
10	West Jaintia Hills	162.13	162.13	100.00						
11	West Khasi Hills	454.11	454.11	100.00						
	Total	1819.54	1819.54	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
MIZORAM										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Aizawl	14.73	14.73	100.00						
2	Champhai	15.66	15.66	100.00						
3	Kolasib	25.02	25.02	100.00						
4	Lawngtlai	29.23	29.23	100.00						
5	Lunglei	49.31	49.31	100.00						
6	Mamit	50.47	50.47	100.00						
7	Saiha	7.28	7.28	100.00						
8	Serchhip	8.12	8.12	100.00						
	Total	199.81	199.81	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
NAGALAND										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Dimapur	374.51	374.51	100.00						
2	Kiphire	87.30	87.30	100.00						
3	Kohima	155.42	155.42	100.00						
4	Longleng	62.01	62.01	100.00						
5	Mokokchung	185.99	185.99	100.00						
6	Mon	181.58	181.58	100.00						
7	Peren	147.50	147.50	100.00						
8	Phek	127.51	127.51	100.00						
9	Tuensang	274.70	274.70	100.00						
10	Wokha	202.26	202.26	100.00						
11	Zunheboto	151.10	151.10	100.00						
	Total	1949.88	1949.88	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
ODISHA										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Angul	550.77	550.77	100.00						
2	Balasore	1212.84	1153.16	95.08	59.68	4.92				
3	Bargarh	585.95	585.95	100.00						
4	Bhadrak	513.29	513.29	100.00						
5	Bolangir	555.14	555.14	100.00						
6	Boudh	235.60	235.60	100.00						
7	Cuttack	669.92	669.92	100.00						
8	Deogarh	306.89	306.89	100.00						
9	Dhenkanal	447.25	447.25	100.00						
10	Gajapati	198.61	198.61	100.00						
11	Ganjam	929.62	929.62	100.00						
12	Jagatsinghpur	435.80	435.80	100.00						
13	Jajpur	521.91	434.60	83.27	87.31	16.73				
14	Jharsuguda	185.58	185.58	100.00						
15	Kalahandi	610.51	610.51	100.00						
16	Kandhamal	328.41	328.41	100.00						
17	Kendrapara	239.35	202.97	84.80	36.38	15.20				
18	Keonjhar	811.79	811.79	100.00						
19	Khurda	427.82	327.23	76.49	100.59	23.51				
20	Koraput	509.34	509.34	100.00						
21	Malikangiri	304.68	304.68	100.00						
22	Mayurbhanj	1370.54	1370.54	100.00						
23	Nabarangapur	568.45	568.45	100.00						
24	Nayagarh	358.98	358.98	100.00						
25	Nuapada	292.29	206.32	70.59	85.97	29.41				
26	Puri	595.47	595.47	100.00						
27	Rayagada	324.48	324.48	100.00						
28	Sambalpur	580.74	580.74	100.00						
29	Subarnapur	247.85	247.85	100.00						
30	Sundargarh	793.05	793.05	100.00						
	Total	15712.93	15343.01	97.65	369.93	2.35				

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
PUNJAB										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Amritsar	1421.36							1421.36	100.00
2	Barnala	540.60							540.60	100.00
3	Bathinda	1228.40	197.94	16.11	171.33	13.95	222.01	18.07	637.12	51.87
4	Faridkot	711.66							711.66	100.00
5	Fatehgarh Sahib	564.48							564.48	100.00
6	Fazilka	936.78	440.22	46.99			185.03	19.75	311.53	33.26
7	Ferozpur	1339.71							1339.71	100.00
8	Gurdaspur	1672.93	53.90	3.22	112.70	6.74	524.28	31.34	982.05	58.70
9	Hoshiarpur	889.26	224.08	25.20	244.80	27.53			420.37	47.27
10	Jalandhar	1024.37							1024.37	100.00
11	Kapurthala	669.22							669.22	100.00
12	Ludhiana	1642.02							1642.02	100.00
13	Mansa	960.07							960.07	100.00
14	Moga	902.30							902.30	100.00
15	Muktsar	1160.54	1160.54	100.00						
16	Nawanshahar	616.24	42.18	6.85	102.31	16.60			471.76	76.55
17	Pathankot	373.50	249.76	66.87	123.75	33.13				
18	Patiala	1261.32							1261.32	100.00
19	Ropar	409.78	93.70	22.87	73.06	17.83	48.82	11.91	194.19	47.39
20	S.A.S Nagar	268.74	56.46	21.01					212.28	78.99
21	Sangrur	1117.74							1117.74	100.00
22	Tarn Taran	879.08							879.08	100.00
Total		20590.10	2518.79	12.23	827.95	4.02	980.13	4.76	16263.23	78.99

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
RAJASTHAN										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Ajmer	372.08							372.08	100.00
2	Alwar	617.87							617.87	100.00
3	Banswara	182.56	105.89	58.00	76.67	42.00				
4	Baran	623.87			335.83	53.83			288.04	46.17
5	Barmer	339.74	39.10	11.51	13.29	3.91	94.87	27.92	192.49	56.66
6	Bharatpur	298.16					34.92	11.71	263.24	88.29
7	Bhilwara	388.77							388.77	100.00
8	Bikaner	344.85	96.44	27.97	46.02	13.35			202.38	58.69
9	Bundi	303.53	38.71	12.75	77.48	25.53	55.35	18.24	131.99	43.49
10	Chittaurgarh	388.33							388.33	100.00
11	Churu	116.11	43.71	37.65			9.84	8.48	62.55	53.87
12	Dausa	246.88							246.88	100.00
13	Dhaulpur	231.81					63.67	27.47	168.14	72.53
14	Dungarpur	177.61	136.98	77.13	40.63	22.87				
15	Ganganagar	446.12	446.12	100.00						
16	Hanumangarh	200.81	200.81	100.00						
17	Jaipur	699.44							699.44	100.00
18	Jaisalmer	85.05							85.05	100.00
19	Jalor	505.61			90.08	17.82			415.53	82.18
20	Jhalawar	497.14			172.48	34.69	44.40	8.93	280.26	56.37
21	Jhunjhunun	223.48							223.48	100.00
22	Jodhpur	343.03			34.32	10.01	21.62	6.30	287.09	83.69
23	Karauli	308.25			28.29	9.18			279.96	90.82
24	Kota	449.21			297.67	66.26			151.54	33.74
25	Nagaur	488.24					32.72	6.70	455.52	93.30
26	Pali	296.13	3.67	1.24	11.43	3.86			281.03	94.90
27	Pratapgarh	201.79	33.52	16.61			20.25	10.04	148.02	73.35
28	Rajsamand	103.50					39.86	38.51	63.64	61.49
29	Sawai Madhopur	343.19							343.19	100.00
30	Sikar	353.29					41.13	11.64	312.16	88.36
31	Sirohi	247.03			51.40	20.81			195.63	79.19
32	Tonk	370.32			117.70	31.78	98.77	26.67	153.85	41.54
33	Udaipur	279.81			48.11	17.19	149.44	53.41	82.26	29.40
	Total	11073.63	1144.95	10.34	1441.41	13.02	706.85	6.38	7780.42	70.26

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
SIKKIM										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	East	123.92	123.92	100.00						
2	North	573.93	573.93	100.00						
3	South	59.53	59.53	100.00						
4	West	107.07	107.07	100.00						
	Total	864.45	864.45	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
TAMIL NADU										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Ariyalur	376.78	362.68	96.26	14.10	3.74	0.00	0.00	0.00	0.00
2	Chengalpattu	480.30	201.24	41.90	217.98	45.38	35.53	7.40	25.56	5.32
3	Chennai	47.18	9.19	19.48	4.41	9.35	0.00	0.00	33.57	71.17
4	Coimbatore	439.08	30.06	6.85	66.44	15.13	35.43	8.07	307.15	69.95
5	Cuddalore	776.79	271.99	35.01	347.10	44.68	14.09	1.81	143.61	18.49
6	Dharmapuri	367.08	46.94	12.79	142.35	38.78	0.00	0.00	177.79	48.43
7	Dindigul	492.39	50.97	10.35	57.13	11.60	52.10	10.58	332.20	67.47
8	Erode	594.66	57.55	9.68	203.40	34.21	18.66	3.14	315.05	52.98
9	Kallakurichi	616.99	162.74	26.38	129.14	20.93	143.56	23.27	181.56	29.43
10	Kancheepuram	417.00	256.01	61.39	101.46	24.33	9.98	2.39	49.55	11.88
11	Kanniyakumari	254.40	241.02	94.74	13.37	5.26	0.00	0.00	0.00	0.00
12	Karur	273.14	63.43	23.22	64.84	23.74	0.00	0.00	144.87	53.04
13	Krishnagiri	411.42	123.73	30.07	120.22	29.22	18.89	4.59	148.58	36.11
14	Madurai	607.95	292.86	48.17	96.82	15.93	37.51	6.17	180.76	29.73
15	Nagapattinam	108.70	6.92	6.37	0.00	0.00	0.00	0.00	101.78	93.63
16	Namakkal	385.70	34.50	8.95	70.37	18.24	31.33	8.12	249.50	64.69
17	Perambalur	214.86	44.96	20.92	9.46	4.40	0.00	0.00	160.44	74.67
18	Pudukkottai	961.42	786.14	81.77	175.28	18.23	0.00	0.00	0.00	0.00
19	Ramanathapuram	698.88	698.88	100.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Ranipet	288.76	14.29	4.95	177.57	61.49	47.50	16.45	49.41	17.11
21	Salem	462.42	41.96	9.07	26.22	5.67	25.21	5.45	369.02	79.80
22	Sivaganga	590.52	590.52	100.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Tenkasi	443.80	169.83	38.27	70.79	15.95	11.32	2.55	191.86	43.23
24	Thanjavur	816.80	61.03	7.47	142.33	17.43	64.94	7.95	548.50	67.15
25	The Nilgiris	88.30	85.90	97.29	2.40	2.71	0.00	0.00	0.00	0.00
26	Theni	345.61	107.71	31.17	181.09	52.40	29.84	8.64	26.96	7.80
27	Thiruvallur	803.51	457.99	57.00	255.47	31.79	36.08	4.49	53.96	6.72
28	Thiruvavur	245.15	103.35	42.16	29.15	11.89	9.90	4.04	102.75	41.91
29	Thoothukkudi	481.73	404.82	84.04	30.83	6.40	8.16	1.69	37.92	7.87
30	Tiruchirappalli	667.81	294.02	44.03	126.07	18.88	12.22	1.83	235.49	35.26
31	Tirunelveli	601.40	448.16	74.52	103.33	17.18	18.36	3.05	31.55	5.25
32	Tirupathur	113.49	0.00	0.00	16.12	14.20	19.58	17.26	77.79	68.54
33	Tiruppur	512.96	27.64	5.39	104.09	20.29	51.94	10.13	329.30	64.19
34	Tiruvannamalai	1064.92	0.00	0.00	469.90	44.13	123.62	11.61	471.40	44.27
35	Vellore	192.65	19.80	10.28	48.21	25.03	14.13	7.34	110.49	57.36
36	Viluppuram	886.28	118.11	13.33	155.81	17.58	115.53	13.04	496.84	56.06
37	Virudhunagar	559.27	286.66	51.26	148.24	26.51	65.50	11.71	58.87	10.53
Total		17690.07	6973.59	39.42	3921.48	22.17	1050.93	5.94	5744.07	32.47

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
TELANGANA										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Adilabad	280.94	174.25	62.02	106.69	37.98				
2	Bhadrachali	807.36	601.10	74.45	206.25	25.55				
3	Hyderabad	15.59	0.00	0.00	0.00	0.00			15.59	100.00
4	Jagtial	444.83	333.08	74.88	30.36	6.83	28.47	6.40	52.92	11.90
5	Jangaon	242.15	45.09	18.62	104.69	43.24	9.91	4.09	82.45	34.05
6	Jayashankar	301.87	257.23	85.21	44.65	14.79				
7	Jogulamba	321.66	308.63	95.95	13.03	4.05				
8	Kamareddy	476.83	319.89	67.09	126.12	26.45	30.82	6.46		
9	Karimnagar	502.76	392.17	78.00	70.87	14.10	39.72	7.90		
10	Khammam	1050.86	834.86	79.45	216.00	20.55				
11	Komarambhem	355.29	355.29	100.00						
12	Mahabubabad	466.85	280.11	60.00	171.33	36.70	15.41	3.30		
13	Mahabubnagar	232.26	11.19	4.82	191.24	82.34	14.94	6.43	14.88	6.41
14	Mancherial	855.10	855.10	100.00						
15	Medak	397.17	197.58	49.75	199.59	50.25				
16	Medchal	89.04	53.96	60.60	25.65	28.80	9.43	10.60		
17	Mulug	359.79	359.79	100.00						
18	Nagarkurnool	433.18	193.29	44.62	155.12	35.81	52.72	12.17	32.04	7.40
19	Nalgonda	1105.02	743.26	67.26	265.51	24.03	96.25	8.71		
20	Narayanpet	265.69	204.36	76.92	61.33	23.08	0.00			
21	Nirmal	467.67	444.92	95.14	22.75	4.86	0.00			
22	Nizamabad	736.20	334.45	45.43	263.31	35.77	111.54	15.15	26.90	3.65
23	Peddapalle	444.61	427.80	96.22			16.81	3.78		
24	Rajanna Sircilla	237.10	0.00		61.18	25.80	69.87	29.47	106.06	44.73
25	Rangareddy	381.05	66.60	17.48	241.61	63.41	66.63	17.49	6.22	1.63
26	Sangareddy	329.16	180.65	54.88	124.46	37.81	18.36	5.58	5.68	1.73
27	Siddipet	482.94	121.51	25.16	309.94	64.18	31.63	6.55	19.87	4.11
28	Suryapet	1207.87	1038.63	85.99	153.40	12.70	15.84	1.31		
29	Vikarabad	291.13	181.18	62.24	109.94	37.76				
30	Wanaparthy	284.10	284.10	100.00						
31	Warangal Rural	510.88	510.88	100.00						
32	Warangal Urban	191.43	68.86	35.97	28.31	14.79	16.95	8.85	77.31	40.39
33	Yadadri	457.79	223.65	48.85	158.56	34.64	54.90	11.99	20.68	4.52
	Total	15026.12	10403.46	69.24	3461.87	23.04	700.20	4.66	460.60	3.07

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
TRIPURA										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Dhalai	180.96	180.96	100.00						
2	Gomati	216.52	216.52	100.00						
3	Khowai	114.32	114.32	100.00						
4	North Tripura	105.51	105.51	100.00						
5	Siphahijala	164.99	164.99	100.00						
6	South Tripura	193.91	193.91	100.00						
7	Unakoti	102.64	102.64	100.00						
8	West Tripura	165.69	165.69	100.00						
	Total	1244.54	1244.54	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
UTTAR PRADESH										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Agra	791.76	50.54	6.38	150.65	19.03	150.34	18.99	440.23	55.60
2	Aligarh	964.35	491.61	50.98	397.69	41.24	64.84	6.72	10.21	1.06
3	Ambedkar Nagar	733.40	649.31	88.53	84.09	11.47				
4	Amethi	820.27	785.46	95.76	34.81	4.24				
5	Amroha	508.22			197.67	38.89	226.55	44.58	84.00	16.53
6	Auraiya	663.45	663.45	100.00						
7	Ayodhya	919.78	796.38	86.58	123.39	13.42				
8	Azamgarh	1132.52	844.64	74.58	287.88	25.42				
9	Baghpat	359.06			139.45	38.84	54.51	15.18	165.10	45.98
10	Bahraich	1322.91	1322.91	100.00						
11	Ballia	870.63	870.63	100.00						
12	Balrampur	872.91	872.91	100.00						
13	Banda	630.68	329.82	52.30	300.86	47.70				
14	Barabanki	1892.28	1892.28	100.00						
15	Bareilly	1254.53	1002.85	79.94	233.87	18.64			17.81	1.42
16	Basti	724.79	724.79	100.00						
17	Bijnaur	1355.89	763.73	56.33	471.51	34.78	120.65	8.90		
18	Budaun	791.25	240.54	30.40	399.93	50.54	0.00	0.00	150.79	19.06
19	Bulandshahar	1517.60	168.95	11.13	505.81	33.33	360.84	23.78	482.00	31.76
20	Chandauli	514.43	514.43	100.00						
21	Chitrakoot	376.38	80.67	21.43	198.11	52.64	97.60	25.93		
22	Deoria	1290.78	1290.78	100.00						
23	Etah	571.90	125.34	21.92	315.99	55.25	130.57	22.83		
24	Etawah	743.77	743.77	100.00						
25	Farrukhabad	512.32	264.26	51.58	248.06	48.42				
26	Fatehpur	1380.89	720.62	52.19	418.89	30.33	88.82	6.43	152.56	11.05
27	Firozabad	669.99			317.67	47.41	54.67	8.16	297.65	44.43
28	G.B. Nagar	612.35			111.88	18.27	372.76	60.87	127.71	20.86
29	Ghaziabad	395.37			120.17	30.40			275.20	69.60
30	Ghazipur	950.63	884.64	93.06	65.99	6.94				
31	Gonda	950.98	950.98	100.00						
32	Gorakhpur	1625.75	1625.75	100.00						
33	Hamirpur	492.75	214.60	43.55	278.14	56.45				
34	Hapur	492.40			97.68	19.84	228.26	46.36	166.45	33.80
35	Hardoi	1750.45	1650.86	94.31	99.59	5.69				
36	Hathras	609.00	120.22	19.74	91.21	14.98	210.60	34.58	186.97	30.70
37	Jalaun	1076.44	1076.44	100.00						
38	Jaunpur	1213.60	734.66	60.54	379.04	31.23	99.90	8.23		
39	Jhansi	752.09	491.88	65.40	260.22	34.60				
DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										

UTTAR PRADESH											
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited		
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	
40	Kannauj	681.69	405.11	59.43	189.47	27.79			87.11	12.78	
41	Kanpur Dehat	893.99	240.03	26.85	653.96	73.15					
42	Kanpur Nagar	826.07	232.54	28.15	457.53	55.39	136.00	16.46			
43	Kasganj	557.97	281.16	50.39	212.45	38.08	64.36	11.53			
44	Kaushambi	514.56	146.26	28.42	293.80	57.10			74.51	14.48	
45	Kushi Nagar	1588.77	1588.77	100.00							
46	Lakhimpur Khiri	2008.58	2008.58	100.00							
47	Lalitpur	411.51			411.51	100.00					
48	Lucknow	714.38	662.40	92.72					51.98	7.28	
49	Maharajganj	996.69	996.69	100.00							
50	Mahoba	200.83			101.95	50.77			98.88	49.23	
51	Mainpuri	873.86	558.89	63.96	268.85	30.77			46.12	5.28	
52	Mathura	1147.57	712.68	62.10	97.62	8.51	94.74	8.26	242.53	21.13	
53	Mau	461.21	461.21	100.00							
54	Meerut	790.96	345.53	43.68	304.11	38.45	118.61	15.00	22.72	2.87	
55	Mirzapur	584.42	417.32	71.41	94.42	16.16	60.05	10.27	12.63	2.16	
56	Moradabad	675.67	126.66	18.75	466.45	69.03	65.35	9.67	17.21	2.55	
57	Muzaffarnagar	1081.53	663.62	61.36	252.46	23.34	73.23	6.77	92.23	8.53	
58	Pilibhit	1121.85	1121.85	100.00							
59	Pratapgarh	1376.21	506.71	36.82	547.30	39.77	322.19	23.41			
60	Prayagraj	1350.52	811.91	60.12	383.91	28.43	129.35	9.58	25.35	1.88	
61	Rae Bareilly	1221.00	1221.00	100.00							
62	Rampur	718.91	351.58	48.91	301.28	41.91	66.04	9.19			
63	S. Kabir Nagar	442.64	442.64	100.00							
64	S. Ravidas Nagar	335.18			335.18	100.00					
65	Saharanpur	1247.17	107.27	8.60	527.47	42.29	144.55	11.59	467.87	37.51	
66	Shahjahanpur	1272.21	1272.21	100.00							
67	Shamshah	465.41	68.30	14.67	109.90	23.61	287.21	61.71			
68	Shamli	425.50			87.42	20.54			338.08	79.46	
69	Shrawasti	466.28	466.28	100.00							
70	Siddharth Nagar	876.02	876.02	100.00							
71	Sitapur	2065.61	2065.61	100.00							
72	Sonbadra	233.74	203.51	87.07	30.23	12.93					
73	Sultanpur	836.43	836.43	100.00							
74	Unnao	1775.01	1775.01	100.00							
75	Varanasi	533.94	66.19	12.40	297.56	55.73			170.19	31.87	
	Total	66882.45	46000.68	68.78	12755.08	19.07	3822.59	5.72	4304.10	6.44	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
UTTARAKHAND										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Dehradun	548.84	548.84	100.00						
2	Haridwar	416.98	242.42	58.14	174.57	41.86				
3	Udham Singh Nagar	720.28	624.88	86.76	95.40	13.24				
4	Nainital	166.80	90.51	54.26	76.29	45.74				
	Total	1852.90	1506.64	81.31	346.26	18.69				

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2013										
WEST BENGAL										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Bankura	1617.69	1509.73	93.33	107.96	6.67				
2	Bardhaman	2368.78	1467.39	61.95	901.39	38.05				
3	Birbhum	1165.74	739.11	63.40	426.63	36.60				
4	Dakshin Dinajpur	988.36	988.36	100.00						
5	Darjiling	470.15	470.15	100.00						
6	Haora	296.62	296.62	100.00						
7	Hugli	1251.22	325.85	26.04	856.87	68.48	68.50	5.47		
8	Jalpaiguri	2784.65	2784.65	100.00						
9	Koch Bihar	2366.62	2366.62	100.00						
10	Malda	1360.88	1230.45	90.42	130.42	9.58				
11	Murshidabad	2257.26	680.02	30.13	1577.25	69.87				
12	Nadia	2047.38	511.68	24.99	1535.69	75.01				
13	North 24 Parganas	1499.39	1451.66	96.82	47.73	3.18				
14	Paschim Medinipur	3288.63	2614.24	79.49	674.40	20.51				
15	Purba Medinipur	732.71			732.71	100.00				
16	Puruliya	727.24	727.24	100.00						
17	Uttar Dinajpur	1335.15	1335.15	100.00						
	Total	26558.47	19498.91	73.42	6991.06	26.32	68.50	0.26		

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
ANDAMAN & NICOBAR ISLAND										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	N & M Andaman	88.05	88.05	100.00						
2	Nicobar	136.67	136.67	100.00						
3	South Andaman	60.20	60.20	100.00						
	Total	284.92	284.92	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020									
CHANDIGARH									
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)
1	Chandigarh	57.38			57.38	100.00			
	Total	57.38			57.38	100.00			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
DADRA & NAGAR HAVELI										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Dadra & Nagar Haveli	67.52	67.52	100.00						
	Total	67.52	67.52	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
DAMAN & DIU										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Daman	25.23							25.23	100.00
2	Diu	2.33	2.33	100.00						
	Total	27.56	2.33	8.45					25.23	91.55

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
JAMMU & KASHMIR										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Anantnag	195.97	195.97	100.00						
2	Bandipora	5.77	5.77	100.00						
3	Baramulla	511.14	511.14	100.00						
4	Budgam	380.62	380.62	100.00						
5	Doda	9.67	9.67	100.00						
6	Ganderbal	27.30	27.30	100.00						
7	Jammu	799.31	799.31	100.00						
8	Kathua	411.88	411.88	100.00						
9	Kishtwar	14.67	14.67	100.00						
10	Kulgam	84.41	84.41	100.00						
11	Kupwara	305.87	305.87	100.00						
12	Poonch	203.42	203.42	100.00						
13	Pulwama	214.63	214.63	100.00						
14	Rajouri	261.99	261.99	100.00						
15	Ramban	13.00	13.00	100.00						
16	Reasi	58.37	58.37	100.00						
17	Samba	318.53	318.53	100.00						
18	Shopian	135.01	135.01	100.00						
19	Srinagar	128.84	128.84	100.00						
20	Udhampur	134.92	134.92	100.00						
	Total	4215.33	4215.33	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
LADAKH										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Kargil	59.11	59.11	100.00						
2	Leh	46.99	46.99	100.00						
	Total	106.10	106.10	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
LAKSHADWEEP										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Agatti	0.51	0.51	100.00						
2	Anini	0.46			0.46	100.00				
3	Androth	0.89	0.89	100.00						
4	Chetlat	0.19	0.19	100.00						
5	Kadmat	0.58	0.58	100.00						
6	Kalpeni	0.42	0.42	100.00						
7	Kavaratti	0.69			0.69	100.00				
8	Kiltan	0.29	0.29	100.00						
9	Minicoy	0.96	0.96	100.00						
	Total	4.99	3.84	76.99	1.15	23.01				

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
PUDUCHERRY										
S.No	Name of District	Total Annual Extractable Resource of Assessed Units (in Mcm)	Safe		Semi-Critical		Critical		Over-Exploited	
			Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%	Annual Extractable Resource (in Mcm)	%
1	Karaikal	62.83	62.83	100.00						
2	Mahe	1.99	1.99	100.00						
3	Puducherry	136.18					136.18	100.00		
	Total	201.01	64.82	32.25			136.18	67.75		

Annexure - III(E)
State-Wise Recharge worthy Area of
Assessment Unit under Different Category in India
(as in 2020)

Dynamic Ground Water Resources Assessment of India - 2020

AREA OF ASSESSMENT UNITS UNDER DIFFERENT CATEGORIES IN INDIA (2020)												
S.No.	States/Union Territories	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area (in sq.km)	%	Recharge Worthy Area (in sq.km)	%	Recharge Worthy Area (in sq.km)	%	Recharge Worthy Area (in sq.km)	%	Recharge Worthy Area (in sq.km)	%
	States											
1	Andhra Pradesh	137393.11	116145.20	84.53	7179.98	5.23	2625.82	1.91	5560.45	4.05	5881.65	4.28
2	Arunachal Pradesh	5721.38	5721.38	100.00								
3	Assam	68817.93	68817.93	100.00								
4	Bihar	90348.70	81540.12	90.25	7108.13	7.87	613.97	0.68	1086.47	1.20		
5	Chhattisgarh	106078.71	83746.92	78.95	16034.59	15.12	6297.20	5.94				
6	Delhi	1487.61	147.16	9.89	222.06	14.93	348.81	23.45	769.58	51.73		
7	Goa	2209.59	2209.59	100.00								
8	Gujarat	158589.64	111108.94	70.06	14848.27	9.36	2603.39	1.64	20603.36	12.99	9425.69	5.94
9	Haryana	40391.12	7558.72	18.71	5203.35	12.88	2593.95	6.42	25035.10	61.98		
10	Himachal Pradesh	3468.00	3468.00	100.00								
11	Jharkhand	60452.52	57300.44	94.79	2409.95	3.99	316.92	0.52	425.21	0.70		
12	Karnataka	164340.79	92923.24	56.54	23867.47	14.52	8287.16	5.04	39262.92	23.89		
13	Kerala	27047.54	21944.97	81.13	4325.19	15.99	777.38	2.87				
14	Madhya Pradesh	272180.45	201131.06	73.90	42776.12	15.72	6078.98	2.23	22194.29	8.15		
15	Maharashtra	259553.28	181293.63	69.85	61590.57	23.73	8219.37	3.17	7672.81	2.96	776.89	0.30
16	Manipur	2559.00	2559.00	100.00								
17	Meghalaya	10645.56	10645.56	100.00								
18	Mizoram	3149.41	3149.41	100.00								
19	Nagaland	14091.48	14091.48	100.00								
20	Odisha	121593.15	117148.73	96.34	2263.09	1.86					2181.33	1.79
21	Punjab	49264.76	6547.77	13.29	2392.74	4.86	1906.17	3.87	38418.08	77.98		
22	Rajasthan	290721.07	46811.75	16.10	27405.92	9.43	18905.87	6.50	188661.64	64.89	8935.89	3.07
23	Sikkim	6722.52	6722.52	100.00								
24	Tamil Nadu	108367.38	37852.37	34.93	21409.28	19.76	6075.97	5.61	39907.51	36.83	3122.25	2.88
25	Telangana	105171.69	63341.58	60.23	31428.83	29.88	6339.21	6.03	4062.07	3.86		
26	Tripura	6197.84	6197.84	100.00								
27	Uttar Pradesh	229657.75	148825.61	64.80	52007.48	22.65	13117.04	5.71	15707.61	6.84		
28	Uttarakhand	4993.04	4042.10	80.95	950.94	19.05						
29	West Bengal*	69046.96	52033.60	75.36	16823.33	24.37	190.03	0.28				
30	Andaman and Nicobar	2113.87	2111.79	99.90							2.08	0.10
31	Chandigarh	114.00			114.00	100.00						
32	Dadra & Nagar Haveli	416.00	416.00	100.00								
	Daman & Diu	110.90	40.00	36.07					70.90	63.93		
33	Jammu and Kashmir	8723.68	8723.68	100.00								
34	Ladakh	914.00	914.00	100.00								
35	Lakshadweep	26.21	19.99	76.27	6.22	23.73						
36	Puducherry	483.00	108.60	22.48			293.00	60.66			81.40	16.85
	Grand Total	2433163.63	1567360.67	64.42	340367.51	13.99	85590.25	3.52	409438.00	16.83	30407.18	1.25
NOTE												
*West Bengal- The Ground Water Resource Assessment as on 2013 has been considered for state of West Bengal.												

Annexure - III(F)
District-Wise Recharge Worthy Area of Assessment Unit
under Different Category in India
(as in 2020)

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
ANDHRA PRADESH											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Anantapur	17101.03	12710.12	74.32	1036.26	6.06	286.10	1.67	3068.55	17.94	
2	Chittoor	10127.78	6797.15	67.11	2609.07	25.76	721.56	7.12			
3	East Godavari	10430.73	9042.04	86.69	162.46	1.56					11.76
4	Guntur	10433.61	9008.31	86.34			292.80	2.81	875.02	8.39	2.47
5	Kadapa	12193.03	9474.11	77.70	1367.06	11.21	940.15	7.71	411.71	3.38	
6	Krishna	8572.67	5671.31	66.16	207.55	2.42					31.42
7	Kurnool	14770.82	14125.04	95.63	424.06	2.87	221.72	1.50			
8	Nellore	12472.34	12063.19	96.72	245.66	1.97	163.49	1.31			
9	Prakasam	14693.93	12360.90	84.12	1127.86	7.68			1205.17	8.20	
10	Srikakulam	5563.55	5563.55	100.00							
11	Visakhapatnam	6480.99	6480.99	100.00							
12	Vizianagaram	6133.42	6133.42	100.00							
13	West Godavari	8419.20	6715.06	79.76							20.24
	Total	137393.11	116145.20	84.53	7179.98	5.23	2625.82	1.91	5560.45	4.05	5881.65
											4.28

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
ARUNACHAL PRADESH											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Tirap	125.00	125.00	100.00							
2	Changlang	530.00	530.00	100.00							
3	Lohit	2000.00	2000.00	100.00							
4	Lower Dibang Valley	1200.00	1200.00	100.00							
5	East Siang	1101.00	1101.00	100.00							
6	West Siang	104.59	104.59	100.00							
7	East Kameng	312.50	312.50	100.00							
8	West Kameng	61.75	61.75	100.00							
9	Lower Subansiri	101.35	101.35	100.00							
10	Upper Subansiri	7.00	7.00	100.00							
11	Papum Pare	178.19	178.19	100.00							
	Total	5721.38	5721.38	100.00							

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
ASSAM										
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Baksa	2448.73	2448.73	100.00						
2	Barpeta	2270.55	2270.55	100.00						
3	Bongaigaon	997.30	997.30	100.00						
4	Cachar	2733.58	2733.58	100.00						
5	Chirang	1917.94	1917.94	100.00						
6	Darrang	1576.54	1576.54	100.00						
7	Dhemaji	3151.56	3151.56	100.00						
8	Dhubri	2143.92	2143.92	100.00						
9	Dibrugarh	3346.88	3346.88	100.00						
10	Dima Hasao	2343.00	2343.00	100.00						
11	Goalpara	1719.83	1719.83	100.00						
12	Golaghat	3481.40	3481.40	100.00						
13	Hailakandi	1049.81	1049.81	100.00						
14	Jorhat	2794.08	2794.08	100.00						
15	Kamrup	2630.24	2630.24	100.00						
16	Kamrup Metro Rural	458.70	458.70	100.00						
17	Kamrup Metro Urban	200.42	200.42	100.00						
18	Karbi Anglong	6560.91	6560.91	100.00						
19	Karimganj	1676.48	1676.48	100.00						
20	Kokrajhar	3270.30	3270.30	100.00						
21	Lakhimpur	2249.30	2249.30	100.00						
22	Morigaon	1490.66	1490.66	100.00						
23	Nagaon	3773.41	3773.41	100.00						
24	Nalbari	1036.30	1036.30	100.00						
25	Sivasagar	2644.59	2644.59	100.00						
26	Sonitpur	5132.24	5132.24	100.00						
27	Tinsukia	3717.57	3717.57	100.00						
28	Udalguri	2001.69	2001.69	100.00						
Total		68817.93	68817.93	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
BIHAR											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
1	Araria	2789.37	2789.37	100.00							
2	Arwal	636.83	636.83	100.00							
3	Aurangabad	3090.54	3090.54	100.00							
4	Banka	2673.00	2673.00	100.00							
5	Begusarai	1891.31	1725.20	91.22	166.11	8.78					
6	Bhagalpur	2602.55	2602.55	100.00							
7	Bhojpur	2275.30	1550.60	68.15	724.70	31.85					
8	Buxar	1710.06	1539.56	90.03	170.50	9.97					
9	Darbhanga	2504.29	2504.29	100.00							
10	East Champaran	3958.87	3958.87	100.00							
11	Gaya	4909.78	3160.71	64.38	1162.71	23.68			586.36	11.94	
12	Gopalganj	2019.13	2019.13	100.00							
13	Jamui	2551.14	2551.14	100.00							
14	Jehanabad	932.57			456.17	48.92	352.11	37.76	124.29	13.33	
15	Kaimur	2980.40	2980.40	100.00							
16	Katihar	3009.91	2920.70	97.04	89.21	2.96					
17	Khagaria	1485.72	1485.72	100.00							
18	Kishanganj	1911.43	1911.43	100.00							
19	Lakhisarai	1144.94	1010.75	88.28	134.19	11.72					
20	Madhepura	1788.40	949.89	53.11	838.51	46.89					
21	Madhubani	3486.45	3486.45	100.00							
22	Munger	1331.42	1331.42	100.00							
23	Muzaffarpur	3042.77	2637.39	86.68	110.49	3.63			294.89	9.69	
24	Nalanda	2316.46	1626.37	70.21	609.16	26.30			80.93	3.49	
25	Nawada	2456.58	1995.71	81.24	339.04	13.80	121.83	4.96			
26	Patna	3200.84	2142.06	66.92	1058.78	33.08					
27	Purnia	3202.39	2992.44	93.44	209.95	6.56					
28	Rohats	3751.43	3751.43	100.00							
29	Saharsa	1661.28	1661.28	100.00							
30	Samastipur	2612.87	2441.65	93.45	171.22	6.55					
31	Saran	2629.57	2575.74	97.95	53.83	2.05					
32	Sheikhpura	662.59	662.59	100.00							
33	Sheohar	442.99	442.99	100.00							
34	Sitamarhi	2185.20	2045.88	93.62	139.31	6.38					
35	Siwan	2223.07	2098.76	94.41	124.31	5.59					
36	Supaul	2410.26	2410.26	100.00							
37	Vaishali	1995.18	1305.21	65.42	549.94	27.56	140.03	7.02			
38	West Champaran	3871.81	3871.81	100.00					1086.47	1.20	
Total		90348.70	81540.12	90.25	7108.13	7.87	613.97	0.68	1086.47	1.20	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
CHHATISGARH											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Balod	2614.70	1292.95	49.45	984.95	37.67	336.80	12.88			
2	Baloda Bazar	4994.40	4379.34	87.69	615.06	12.31					
3	Balrampur	5661.31	5661.31	100.00							
4	Bastar	3835.33	3835.33	100.00							
5	Bemetara	2854.81			1349.84	47.28	1504.97	52.72			
6	Bijapur	4377.29	4377.29	100.00							
7	Bilaspur	4827.18	3948.28	81.79	878.90	18.21					
8	Dantewara	3118.66	3118.66	100.00							
9	Dhamtari	2487.06			1808.23	72.71	678.83	27.29			
10	Durg	2319.99			1644.82	70.90	675.17	29.10			
11	Gariaband	2631.40	2036.10	77.38	595.30	22.62					
12	Janjgir-Champa	3696.47	2592.84	70.14	1103.63	29.86					
13	Jashpur	4510.05	4510.05	100.00							
14	Kanker	6260.36	5805.01	92.73	455.35	7.27					
15	Kawardha	4239.63	1628.92	38.42	962.82	22.71	1647.89	38.87			
16	Kondagaon	3722.41	3722.41	100.00							
17	Korba	4314.30	3843.14	89.08	471.16	10.92					
18	Koriya	4024.87	4024.87	100.00							
19	Mahasamund	4597.20	3142.20	68.35	1455.00	31.65					
20	Mungeli	1639.42	1639.42	100.00							
21	Narayanpur	3510.43	3510.43	100.00							
22	Raigarh	5208.65	3860.01	74.11	1348.64	25.89					
23	Raipur	2891.98	2239.67	77.44			652.31	22.56			
24	Rainandgaon	5636.52	3039.14	53.92	1796.15	31.87	801.23	14.21			
25	Sukma	5211.99	5211.99	100.00							
26	Surajpur	2637.88	2073.14	78.59	564.74	21.41					
27	Surguja	4254.42	4254.42	100.00							
Total		106078.71	83746.92	78.95	16034.59	15.12	6297.20	5.94			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
DELHI											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Central	79.31			74.18	93.54			5.13	6.46	
2	East	31.60			14.83	46.93			16.77	53.07	
3	New Delhi	158.09							158.09	100.00	
4	North	291.14					143.56	49.31	147.58	50.69	
5	North East	35.67					30.10	84.38	5.57	15.62	
6	North West	154.36	121.37	78.63	32.99	21.37					
7	Shahdara	34.59					7.24	20.94	27.34	79.06	
8	South	157.85							157.85	100.00	
9	South East	103.52					39.38	38.04	64.14	61.96	
10	South West	305.16					128.53	42.12	176.63	57.88	
11	West	110.54			100.06	90.52			10.48	9.48	
12	Nazul Land	25.79	25.79	100.00							
	Total	1487.61	147.16	9.89	222.06	14.93	348.81	23.45	769.58	51.73	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
GOA												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Goa North	989.87	989.87	100.00								
2	South Goa	1219.72	1219.72	100.00								
	Total	2209.59	2209.59	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
GUJARAT												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Ahmedabad	7018.65	3044.75	43.38	1430.12	20.38	774.55	11.04			1769.23	25.21
2	Amreli	7375.45	6527.85	88.51	847.60	11.49						
3	Anand	2826.48	2826.48	100.00								
4	Arvali	3154.49	3154.49	100.00								
5	Banaskantha	10107.23	1200.69	11.88	1335.09	13.21			5447.53	53.90	2123.93	21.01
6	Bharuch	5196.69	5196.69	100.00					0.00	0.00		
7	Bhavnagar	6693.90	6693.90	100.00					0.00	0.00		
8	Botad	2561.12	2561.12	100.00					0.00	0.00		
9	Chhota Udepur	3287.32	3287.32	100.00					0.00	0.00		
10	Dahod	3528.22	3528.22	100.00					0.00	0.00		
11	Dang	1353.10	1353.10	100.00					0.00	0.00		
12	Devbhumi Dwaraka	3952.82	3952.82	100.00					0.00	0.00		
13	Gandhinagar	2165.84	0.00	0.00	860.02	39.71			1305.82	60.29		
14	Gir Somnath	3762.95	2589.25	68.81	1173.70	31.19			0.00	0.00		
15	Jamnagar	6018.52	6018.52	100.00					0.00	0.00		
16	Junagadh	4946.18	1329.50	26.88	1096.30	22.16	901.70	18.23	1618.68	32.73		
17	Kachchh	19506.50	11399.75	58.44					7953.40	40.77	153.35	0.79
18	Kheda	3366.26	3140.84	93.30	225.42	6.70			0.00	0.00		
19	Mahesana	4382.29	0.00	0.00	1495.27	34.12	552.36	12.60	2334.66	53.27		
20	Mahisagar	2453.50	2453.50	100.00					0.00	0.00		
21	Morbi	4803.71	4033.73	83.97					0.00	0.00	769.98	16.03
22	Narmada	2468.31	1744.01	70.66	724.30	29.34			0.00	0.00		
23	Navsari	2141.24	2141.24	100.00					0.00	0.00		
24	Panchmahal	3190.03	3190.03	100.00					0.00	0.00		
25	Patan	5731.04	0.00	0.00	479.71	8.37	374.78	6.54	1009.11	17.61	3867.44	67.48
26	Porbandar	2261.95	1144.35	50.59	1117.60	49.41			0.00	0.00		
27	Rajkot	7473.83	6478.59	86.68	995.24	13.32			0.00	0.00		
28	Sabarkantha	3777.97	1481.27	39.21	1897.14	50.22			399.56	10.58		
29	Surat	4107.72	4107.72	100.00					0.00	0.00		
30	Surendra Nagar	9218.12	7975.60	86.52	500.76	5.43			0.00	0.00	741.76	8.05
31	Tapi	3030.33	3030.33	100.00					0.00	0.00		
32	Vadodara	4096.10	2891.50	70.59	670.00	16.36			534.60	13.05		
33	Valsad	2631.78	2631.78	100.00					0.00	0.00		
	Total	158589.64	111108.94	70.06	14848.27	9.36	2603.39	1.64	20603.36	12.99	9425.69	5.94

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
HARYANA										
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Ambala	1509.05	0.00	0.00	351.23	23.27	394.67	26.15	763.14	50.57
2	Bhiwani	2674.95	415.67	15.54	978.66	36.59	0.00	0.00	1280.63	47.87
3	Charkhi Dadri	1343.36	653.27	48.63	0.00	0.00	0.00	0.00	690.09	51.37
4	Faridabad	577.31	0.00	0.00	0.00	0.00	0.00	0.00	577.31	100.00
5	Fatehabad	2518.50	0.00	0.00	0.00	0.00	380.77	15.12	2137.73	84.88
6	Gurgaon	1211.13	0.00	0.00	0.00	0.00	0.00	0.00	1211.13	100.00
7	Hisar	4068.38	528.97	13.00	1933.29	47.52	696.82	17.13	909.30	22.35
8	Jhajjar	1536.60	1327.82	86.41	208.77	13.59	0.00	0.00	0.00	0.00
9	Jind	2680.27	660.07	24.63	196.18	7.32	0.00	0.00	1824.03	68.05
10	Kaithal	2228.72	0.00	0.00	0.00	0.00	0.00	0.00	2228.72	100.00
11	Karnal	2468.66	0.00	0.00	243.01	9.84	0.00	0.00	2225.65	90.16
12	Kurukshetra	1684.20	0.00	0.00	0.00	0.00	0.00	0.00	1684.20	100.00
13	Mahendragarh	1885.42	622.46	33.01	224.70	11.92	207.28	10.99	830.98	44.07
14	Mewat	1107.02	434.71	39.27	171.50	15.49	314.77	28.43	186.05	16.81
15	Palwal	1200.20	301.70	25.14	399.26	33.27	154.60	12.88	344.65	28.72
16	Panchkula	506.72	398.44	78.63	0.00	0.00	108.28	21.37	0.00	0.00
17	Panipat	1296.37	0.00	0.00	0.00	0.00	0.00	0.00	1296.37	100.00
18	Rewari	1440.18	0.00	0.00	0.00	0.00	198.10	13.76	1242.08	86.24
19	Rohtak	1503.89	1503.89	100.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Sirsa	3521.00	0.00	0.00	496.75	14.11	0.00	0.00	3024.24	85.89
21	Sonapat	1996.41	711.74	35.65	0.00	0.00	0.00	0.00	1284.68	64.35
22	Yamuna Nagar	1432.77	0.00	0.00	0.00	0.00	138.65	9.68	1294.12	90.32
	Total	40391.12	7558.72	18.71	5203.35	12.88	2593.95	6.42	25035.10	61.98

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
HIMACHAL PRADESH											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Kangra	1476.00	1476.00	100.00							
2	Mandi	159.00	159.00	100.00							
3	Sirmour	358.00	358.00	100.00							
4	Solan	336.00	336.00	100.00							
5	Una	1139.00	1139.00	100.00							
	Total	3468.00	3468.00	100.00							

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
JHARKHAND											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Bokaro	2624.43	1990.78	75.86	540.95	20.61			92.70	3.53	
2	Chatra	3260.87	3260.87	100.00							
3	Deoghar	1906.98	1794.43	94.10	112.55	5.90					
4	Dhanbad	1759.69	1071.18	60.87	438.07	24.89	121.17	6.89	129.27	7.35	
5	Dumka	2813.67	2813.67	100.00							
6	East Singhbhum	2509.93	2306.69	91.90					203.24	8.10	
7	Garhwa	2916.43	2706.62	92.81	209.81	7.19					
8	Giridih	4400.79	4400.79	100.00							
9	Godda	1664.02	1664.02	100.00							
10	Gumla	4071.15	4071.15	100.00							
11	Hazaribagh	3526.62	3416.42	96.88	110.20	3.12					
12	Jamtara	983.46	983.46	100.00							
13	Khunti	1670.05	1670.05	100.00							
14	Koderna	909.02	909.02	100.00							
15	Latehar	2385.13	2385.13	100.00							
16	Lohardaga	1275.63	1275.63	100.00							
17	Pakur	1277.59	1277.59	100.00							
18	Palamau	3473.44	3473.44	100.00							
19	Rangarh	1112.67	636.90	57.24	475.77	42.76					
20	Ranchi	3723.53	3005.18	80.71	522.60	14.04	195.75	5.26			
21	Sahebganj	1144.09	1144.09	100.00							
22	Saraikela - Kharsawa	2070.39	2070.39	100.00							
23	Simdega	3090.60	3090.60	100.00							
24	West Singhbhum	5882.34	5882.34	100.00							
Total		60452.52	57300.44	94.79	2409.95	3.99	316.92	0.52	425.21	0.70	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
KARNATAKA											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
1	Bagalkot	5952.57	2187.55	36.75	981.65	16.49	816.14	13.71	1967.24	33.05	
2	Bangalore Rural	2035.77							2035.77	100.00	
3	Bangalore Urban	1720.61							1720.61	100.00	
4	Belagavi	12196.30	4066.12	33.34	3094.71	25.37	1483.71	12.17	3551.75	29.12	
5	Bellary	9239.57	5934.41	64.23	944.29	10.22			2360.87	25.55	
6	Bidar	4014.71	2883.07	71.81	1131.64	28.19					
7	Chamrajnagara	3828.27			1311.25	34.25	186.06	4.86	2330.96	60.89	
8	Chikballapur	3407.08							3407.08	100.00	
9	Chikkamagalur	5937.91	4348.22	73.23					1589.69	26.77	
10	Chitradurga	7687.13	667.34	8.68					7019.79	91.32	
11	Dakshin Kanna	3376.01	3376.01	100.00							
12	Davangere	4284.23	994.25	23.21	762.84	17.81	662.05	15.45	1865.09	43.53	
13	Dharwad	3596.67	3596.67	100.00							
14	Gadag	3893.27	396.98	10.20	1589.13	40.82	812.50	20.87	1094.65	28.12	
15	Hassan	6455.66	4150.02	64.29			1000.87	15.50	1304.77	20.21	
16	Haveri	4812.20	2594.29	53.91	2217.91	46.09					
17	Kalburagi	10254.86	8937.00	87.15	1317.86	12.85					
18	Kodagu	3634.44	3634.44	100.00							
19	Kolar	2988.53							2988.53	100.00	
20	Koppal	5029.76	3152.33	62.67	1228.42	24.42			649.02	12.90	
21	Mandya	4240.26	3534.46	83.35	705.80	16.65					
22	Mysuru	5316.16	4507.34	84.79	808.82	15.21					
23	Raichur	5849.31	4003.26	68.44	1846.05	31.56					
24	Ramanagara	3164.06			591.39	18.69	2572.67	81.31			
25	Shivamogga	7391.72	7391.72	100.00							
26	Tumakuru	9414.13	2818.50	29.94	1218.54	12.94			5377.09	57.12	
27	Udupi	3036.67	3036.67	100.00							
28	Uttar Kannada	7707.85	7707.85	100.00							
29	Vijayapura	9824.24	6372.15	64.86	2698.94	27.47	753.16	7.67			
30	Yadgir	4050.82	2632.59	64.99	1418.23	35.01					
	Total	164340.79	92923.24	56.54	23867.47	14.52	8287.16	5.04	39262.92	23.89	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
KERALA											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
1	Alappuzha	1414.03	1414.03	100.00							
2	Ernakulam	2269.48	2269.48	100.00							
3	Idukki	1088.91	854.63	78.48	234.28	21.52					
4	Kannur	2323.96	2002.78	86.18	321.18	13.82					
5	Kasargod	1648.30	550.63	33.41	838.91	50.90	258.76	15.70			
6	Kollam	2112.00	1964.97	93.04	147.03	6.96					
7	Kottayam	1970.88	1970.88	100.00							
8	Kozhikode	1661.80	1352.33	81.38	309.47	18.62					
9	Malappuram	2541.81	1327.05	52.21	1214.76	47.79					
10	Palakkad	2982.28	2084.06	69.88	379.60	12.73	518.62	17.39			
11	Pathanamthitta	1296.65	1296.65	100.00							
12	Thiruvananthapuram	1942.97	1452.78	74.77	490.19	25.23					
13	Thrissur	2366.85	1977.08	83.53	389.77	16.47					
14	Wayanad	1427.62	1427.62	100.00							
	Total	27047.54	21944.97	81.13	4325.19	15.99	777.38	2.87			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
MADHYA PRADESH											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Agar Malwa	2515.76	654.46	26.01	700.83	27.86			1160.47	46.13	
2	Alirajpur	3054.00	3054.00	100.00							
3	Anuppur	2942.00	2942.00	100.00							
4	Ashoknagar	4622.44	3551.29	76.83	1071.15	23.17					
5	Balaghat	8914.93	8914.93	100.00							
6	Barwani	3668.31	2646.15	72.14	730.36	19.91			291.80	7.95	
7	Betul	8564.50	6663.50	77.80	1901.00	22.20					
8	Bhind	4459.00	4459.00	100.00							
9	Bhopal	2648.00	1364.00	51.51	1284.00	48.49					
10	Burhanpur	2570.50	2570.50	100.00							
11	Chhatarpur	7904.34	3938.28	49.82	3966.06	50.18					
12	Chhindwara	8793.01	6577.13	74.80	1580.72	17.98	635.16	7.22			
13	Damoh	4746.19	3842.82	80.97	903.37	19.03					
14	Datia	2662.00	2662.00	100.00							
15	Dewas	5770.82	3313.70	57.42	876.31	15.19			1580.81	27.39	
16	Dhar	8126.40	5169.00	63.61			534.00	6.57	2423.40	29.82	
17	Dindori	4963.00	4963.00	100.00							
18	Guna	6175.14	6175.14	100.00							
19	Gwalior	4475.60	4052.25	90.54	423.35	9.46					
20	Harda	2700.90	2700.90	100.00							
21	Hoshangabad	5583.52	4914.52	88.02	669.00	11.98					
22	Indore	3818.97			1020.92	26.73			2798.05	73.27	
23	Jabalpur	4505.38	4362.38	96.83			143.00	3.17			
24	Jhabua	3112.00	2699.00	86.73	413.00	13.27					
25	Katni	4666.48	4666.48	100.00							
26	Khandwa	6242.49	5381.49	86.21	861.00	13.79					
27	Khargone	6568.97	6074.57	92.47	494.40	7.53					
28	Mandla	7269.10	7269.10	100.00							
29	Mandsaur	4990.47			1136.00	22.76	1312.47	26.30	2542.00	50.94	
30	Morena	4384.89	4384.89	100.00							
31	Narsinghpur	4791.00	3947.00	82.38	844.00	17.62					
32	Neemuch	3757.44			1153.00	30.69			2604.44	69.31	
33	Panna	6824.69	6824.69	100.00							
34	Raisen	6609.39	5744.99	86.92	864.40	13.08					
35	Rajgarh	6154.98	1105.00	17.95	2776.98	45.12	2273.00	36.93			
36	Ratlam	4616.00			973.00	21.08			3643.00	78.92	
37	Rewa	5911.36	5464.10	92.43	447.26	7.57					
38	Sagar	9254.18	9254.18	100.00							
39	Satna	6721.06	4229.20	62.92	2491.86	37.08					

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
MADHYA PRADESH												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
40	Sehore	4627.16	3445.81	74.47			1181.35	25.53				
41	Seoni	8050.50	8050.50	100.00								
42	Shahdol	4978.00	4978.00	100.00								
43	Shajapur	3396.17			883.07	26.00			2513.10	74.00		
44	Sheopur	5334.80	5334.80	100.00								
45	Shivpuri	9770.49	4354.54	44.57	5415.95	55.43						
46	Sidhi	3603.85	3603.85	100.00								
47	Singrauli	4512.60	4512.60	100.00								
48	Tikamgarh	4881.64	939.62	19.25	3942.02	80.75						
49	Ujjain	5939.33			3302.11	55.60			2637.22	44.40		
50	Umaria	4219.00	4219.00	100.00								
51	Vidisha	6807.70	5156.70	75.75	1651.00	24.25						
	Total	272180.45	201131.06	73.90	42776.12	15.72	6078.98	2.23	22194.29	8.15		

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
MAHARASHTRA											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
1	Ahmednagar	15624.75	5172.01	33.10	5972.85	38.23	3825.41	24.48	654.48	4.19	
2	Akola	5141.65	4458.18	86.71	683.47	13.29					
3	Amravati	8392.39	2819.41	33.59	2105.96	25.09			2690.13	32.05	776.89
4	Aurangabad	9501.74	1889.75	19.89	7611.99	80.11					
5	Beed	10352.05	10352.05	100.00							
6	Bhandara	3964.97	3964.97	100.00							
7	Buldhana	8206.15	1412.64	17.21	5735.06	69.89			1058.45	12.90	
8	Chandrapur	10476.57	10476.57	100.00							
9	Dhule	6421.32	6421.32	100.00							
10	Gadchiroli	8866.49	8866.49	100.00							
11	Gondia	4597.05	4597.05	100.00							
12	Hingoli	4662.41	4662.41	100.00							
13	Jalgaon	11378.83	2411.85	21.20	7190.22	63.19			1776.76	15.61	
14	Jalna	7718.00	7718.00	100.00							
15	Kolhapur	5621.76	5621.76	100.00							
16	Latur	6635.48	5724.75	86.27	910.73	13.73					
17	Nagpur	7990.42	6875.12	86.04	1115.30	13.96					
18	Nanded	10177.71	10177.71	100.00							
19	Nandurbar	4152.78	4152.78	100.00							
20	Nashik	13488.56	7485.45	55.49	3096.05	22.95	2907.06	21.55			
21	Osmanabad	6716.28	4671.26	69.55	2045.02	30.45					
22	Palghar	2400.11	2400.11	100.00							
23	Parbhani	6214.00	6214.00	100.00							
24	Pune	12757.28	3018.35	23.66	8252.02	64.68	1486.91	11.66			
25	Raigad	3747.59	3747.59	100.00							
26	Ratnagiri	5113.07	5113.07	100.00							
27	Sangli	8427.58	7678.05	91.11	749.53	8.89					
28	Satara	8775.07	3521.35	40.13	5253.72	59.87					
29	Sindhudurg	2793.06	2793.06	100.00							
30	Solapur	14838.90	3080.47	20.76	10265.44	69.18			1492.99	10.06	
31	Thane	2334.47	2334.47	100.00							
32	Wardha	5812.16	5208.96	89.62	603.20	10.38					
33	Washim	4811.96	4811.96	100.00							
34	Yawmatmal	11440.67	11440.67	100.00							
Total		259553.28	181293.63	69.85	61590.57	23.73	8219.37	3.17	7672.81	2.96	776.89
											0.30

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
MANIPUR												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Bishnupur	496.00	496.00	100.00								
2	Churachandpur	321.00	321.00	100.00								
3	Imphal East	709.00	709.00	100.00								
4	Imphal West	519.00	519.00	100.00								
5	Thoubal	514.00	514.00	100.00								
	Total	2559.00	2559.00	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
MEGHALAYA											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	East Garo Hills	661.17	661.17	100.00							
2	East Jaintia Hills	1000.87	1000.87	100.00							
3	East Khasi Hills	1052.61	1052.61	100.00							
4	North Garo Hills	505.28	505.28	100.00							
5	Ri-Bhoi	909.15	909.15	100.00							
6	South Garo Hills	867.71	867.71	100.00							
7	South West Garo Hills	560.23	560.23	100.00							
8	South West Khasi Hills	608.73	608.73	100.00							
9	West Garo Hills	1830.11	1830.11	100.00							
10	West Jaintia Hills	997.26	997.26	100.00							
11	West Khasi Hills	1652.44	1652.44	100.00							
	Total	10645.56	10645.56	100.00							

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
MIZORAM											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Aizawl	217.34	217.34	100.00							
2	Champhai	286.73	286.73	100.00							
3	Kolasib	395.15	395.15	100.00							
4	Lawngtlai	520.75	520.75	100.00							
5	Lunglei	744.87	744.87	100.00							
6	Mamit	716.31	716.31	100.00							
7	Salha	106.60	106.60	100.00							
8	Serchhip	161.66	161.66	100.00							
	Total	3149.41	3149.41	100.00							

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
NAGALAND												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Dimapur	711.67	711.67	100.00								
2	Kiphire	903.12	903.12	100.00								
3	Kohima	1228.77	1228.77	100.00								
4	Longleng	363.89	363.89	100.00								
5	Mokokchung	1369.33	1369.33	100.00								
6	Mon	1551.00	1551.00	100.00								
7	Peren	1415.27	1415.27	100.00								
8	Phek	1824.92	1824.92	100.00								
9	Tuensang	2299.66	2299.66	100.00								
10	Wokha	1395.99	1395.99	100.00								
11	Zunheboto	1027.86	1027.86	100.00								
	Total	14091.48	14091.48	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
ODISHA											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
1	Angul	5085.85	5085.85	100.00							
2	Balasore	3564.77	3299.70	92.56	265.07	7.44					
3	Bargarh	5251.77	5251.77	100.00							
4	Bhadrak	2522.36	1901.92	75.40							
5	Bolangir	6297.77	6297.77	100.00							
6	Boudh	2140.98	2140.98	100.00							
7	Cuttack	3400.69	3400.69	100.00							
8	Deogarh	2185.29	2185.29	100.00							
9	Dhenkanal	3978.75	3978.75	100.00							
10	Gajapati	1424.58	1424.58	100.00							
11	Ganjam	6104.20	6104.20	100.00							
12	Jagatsinghpur	1889.88	1513.89	80.11							
13	Jajpur	2662.13	2333.95	87.67	328.18	12.33					375.99
14	Jharsuguda	2118.42	2118.42	100.00							
15	Kalahandi	5581.37	5581.37	100.00							
16	Kandhamal	4473.71	4473.71	100.00							
17	Kendrapara	2263.44	932.66	41.21	145.88	6.45					1184.90
18	Keonjhar	6847.90	6847.90	100.00							
19	Khurda	2607.17	1924.87	73.83	682.30	26.17					
20	Koraput	6006.06	6006.06	100.00							
21	Malangiri	3398.99	3398.99	100.00							
22	Mayurbhanj	8340.16	8340.16	100.00							
23	Nabarangapur	5344.64	5344.64	100.00							
24	Nayagarh	2578.45	2578.45	100.00							
25	Nuapada	3083.04	2241.38	72.70	841.66	27.30					
26	Puri	2586.11	2586.11	100.00							
27	Rayagada	3659.73	3659.73	100.00							
28	Sambalpur	5670.92	5670.92	100.00							
29	Subarnapur	2320.54	2320.54	100.00							
30	Sundargarh	8203.48	8203.48	100.00							
Total		121593.15	117148.73	96.34	2263.09	1.86					2181.33
											1.79

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020										
PUNJAB										
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Amritsar	2676.40							2676.40	100.00
2	Barnala	1413.01							1413.01	100.00
3	Bathinda	3374.24	482.01	14.28	332.58	9.86	573.73	17.00	1985.92	58.86
4	Faridkot	1475.98							1475.98	100.00
5	Fatehgarh Sahib	1142.46							1142.46	100.00
6	Fazilka	2739.54	1557.00	56.83			376.10	13.73	806.44	29.44
7	Ferozpur	2519.53							2519.53	100.00
8	Gurdaspur	2614.25	109.20	4.18	197.34	7.55	767.62	29.36	1540.09	58.91
9	Hoshiarpur	2824.21	658.01	23.30	925.57	32.77			1240.63	43.93
10	Jalandhar	2629.99							2629.99	100.00
11	Kapurthala	1628.75							1628.75	100.00
12	Ludhiana	3707.15							3707.15	100.00
13	Mansa	2168.62							2168.62	100.00
14	Moga	2230.96							2230.96	100.00
15	Muktsar	2634.28	2634.28	100.00						
16	Nawanshahar	1228.36	136.77	11.13	324.64	26.43			766.95	62.44
17	Pathankot	710.60	351.30	49.44	359.30	50.56				
18	Patiala	3318.47							3318.47	100.00
19	Ropar	1112.53	338.56	30.43	253.31	22.77	188.72	16.96	331.94	29.84
20	S.A.S Nagar	1093.83	280.64	25.66					813.19	74.34
21	Sangrur	3603.25							3603.25	100.00
22	Tarn Taran	2418.35							2418.35	100.00
Total		49264.76	6547.77	13.29	2392.74	4.86	1906.17	3.87	38418.08	77.98

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
RAJASTHAN											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
1	Ajmer	7466.76					0.00	7466.76	100.00		
2	Alwar	7201.61					0.00	7201.61	100.00		
3	Banswara	3979.96	2186.91	54.95	1793.05	45.05					
4	Baran	6892.21			3841.66	55.74					
5	Barmer	28578.58	3065.79	10.73	831.62	2.91	2490.93	8.72	22190.24	77.65	
6	Bharatpur	4751.52					470.82	9.91	4280.70	90.09	
7	Bhilwara	9354.85						0.00	9354.85	100.00	
8	Bikaner	30381.77	14298.88	47.06	1912.89	6.30		0.00	8716.76	28.69	5453.24
9	Bundi	4240.18	462.53	10.91	1152.88	27.19	773.11	18.23	1851.66	43.67	
10	Chittaurgarh	5833.89						0.00	5833.89	100.00	
11	Churu	13793.01	3860.80	27.99			1606.87	11.65	6514.94	47.23	1810.40
12	Dausa	3085.62						0.00	3085.62	100.00	
13	Dhaulpur	2485.26					813.90	32.75	1671.36	67.25	
14	Dungarpur	2634.13	2026.50	76.93	607.63	23.07		0.00			
15	Ganganagar	11141.59	11141.59	100.00				0.00			
16	Hanumangarh	9579.60	7907.35	82.54				0.00	10334.73	100.00	1672.25
17	Jaipur	10334.73						0.00			17.46
18	Jaisalmer	12090.04						0.00	12090.04	100.00	
19	Jalor	10251.53			1817.85	17.73		0.00	8433.68	82.27	
20	Jhalawar	6096.26			2382.49	39.08	640.87	10.51	3072.90	50.41	
21	Jhunjhunun	5393.47						0.00	5393.47	100.00	
22	Jodhpur	22250.00			3833.90	17.23	1978.95	8.89	16437.15	73.87	
23	Karauli	3902.42			571.06	14.63		0.00	3331.36	85.37	
24	Kota	5123.17			3328.43	64.97		0.00	1794.74	35.03	
25	Nagaur	17718.26					1577.78	8.90	16140.48	91.10	
26	Pali	10551.39	1377.90	13.06	1279.91	12.13		0.00	7893.58	74.81	
27	Pratapgarh	2950.39	483.50	16.39			458.56	15.54	2008.33	68.07	
28	Rajsamand	3540.09					1212.42	34.25	2327.67	65.75	
29	Sawai Madhopur	4328.50							4328.50	100.00	
30	Sikar	7356.92					1291.23	17.55	6065.69	82.45	
31	Sirohi	4075.70			882.90	21.66			3192.80	78.34	
32	Tonk	5586.74			2153.23	38.54	1164.90	20.85	2268.61	40.61	
33	Udaipur	7770.92			1016.42	13.08	4425.53	56.95	2328.97	29.97	
Total		290721.07	46811.75	16.10	27405.92	9.43	18905.87	6.50	188661.64	64.89	8935.89
											3.07

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
SIKKIM											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	East	943.13	943.13	100.00							
2	North	3927.67	3927.67	100.00							
3	South	710.96	710.96	100.00							
4	West	1140.76	1140.76	100.00							
	Total	6722.52	6722.52	100.00							

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
TAMIL NADU											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Ariyalur	1926.59	1839.74	95.49	86.85	4.51	0.00	0.00	0.00	0.00	0.00
2	Chengalpattu	2424.15	978.77	40.38	1118.23	46.13	174.42	7.20	152.73	6.30	0.00
3	Chennai	533.46	94.76	17.76	48.76	9.14	0.00	0.00	389.94	73.10	0.00
4	Coimbatore	3622.30	206.76	5.71	407.36	11.25	221.76	6.12	2786.42	76.92	0.00
5	Cuddalore	3636.73	1392.80	38.30	1579.53	43.43	121.44	3.34	542.96	14.93	0.00
6	Dharmapuri	2812.87	454.78	16.17	877.55	31.20	0.00	0.00	1480.54	52.63	0.00
7	Dindigul	4877.41	524.89	10.76	692.36	14.20	507.23	10.40	3152.93	64.64	0.00
8	Erode	3481.10	219.06	6.29	1185.65	34.06	123.25	3.54	1953.15	56.11	0.00
9	Kaliakurichi	2529.20	732.01	28.94	481.73	19.05	601.49	23.78	713.97	28.23	0.00
10	Kancheepuram	1667.88	1034.03	62.00	373.60	22.40	50.02	3.00	210.23	12.60	0.00
11	Kanniyakumari	1130.45	1064.44	94.16	66.01	5.84	0.00	0.00	0.00	0.00	0.00
12	Karur	2833.70	266.07	9.39	608.38	21.47	0.00	0.00	1959.24	69.14	0.00
13	Krishnagiri	3103.95	1106.32	35.64	709.47	22.86	112.11	3.61	1176.06	37.89	0.00
14	Madurai	3256.68	1624.06	49.87	576.88	17.71	175.42	5.39	880.32	27.03	0.00
15	Nagapattinam	2641.03	80.22	3.04	0.00	0.00	0.00	0.00	993.02	37.60	1567.80
16	Namakkal	2928.10	289.12	9.87	476.10	16.26	124.88	4.26	2038.00	69.60	0.00
17	Perambalur	1594.54	391.74	24.57	115.08	7.22	0.00	0.00	1087.72	68.22	0.00
18	Pudukkottai	4427.94	3331.86	75.25	948.21	21.41	0.00	0.00	0.00	0.00	147.87
19	Ramanathapuram	4074.87	3122.51	76.63	0.00	0.00	0.00	0.00	0.00	0.00	952.36
20	Ranipet	1755.84	94.70	5.39	1084.58	61.77	197.43	11.24	379.12	21.59	0.00
21	Salem	3915.35	405.11	10.35	227.14	5.80	174.43	4.45	3108.66	79.40	0.00
22	Sivaganga	4032.62	4032.62	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Tenkasi	2503.71	596.72	23.83	406.93	16.25	45.71	1.83	1454.35	58.09	0.00
24	Thanjavur	3350.53	304.43	9.09	569.55	17.00	346.36	10.34	2130.19	63.58	0.00
25	The Nilgiris	1119.08	996.17	89.02	122.91	10.98	0.00	0.00	0.00	0.00	0.00
26	Theni	1894.17	472.05	24.92	1032.34	54.50	164.01	8.66	225.78	11.92	0.00
27	Thiruvallur	3060.29	1605.31	52.46	960.30	31.38	175.79	5.74	237.80	7.77	81.09
28	Thiruvannamalai	2072.57	784.69	37.86	189.24	9.13	72.13	3.48	653.40	31.53	373.12
29	Thoothukkudi	4597.12	3834.55	83.41	252.97	5.50	119.10	2.59	390.49	8.49	0.00
30	Tiruchirappalli	4036.10	1143.37	28.33	767.88	19.03	69.60	1.72	2055.24	50.92	0.00
31	Tirunelveli	2982.61	1922.19	64.45	669.13	22.43	155.01	5.20	236.28	7.92	0.00
32	Tirupathur	941.33	0.00	0.00	173.11	18.39	186.48	19.81	581.75	61.80	0.00
33	Tiruppur	4645.42	104.46	2.25	576.62	12.41	551.06	11.86	3413.28	73.48	0.00
34	Tiruvannamalai	4783.96	0.00	0.00	2136.34	44.66	467.83	9.78	2179.78	45.56	0.00
35	Vellore	1399.56	116.46	8.32	289.66	20.70	101.44	7.25	892.01	63.73	0.00
36	Viluppuram	3772.29	537.73	14.25	715.42	18.97	449.67	11.92	2069.47	54.86	0.00
37	Virudhunagar	4001.89	2147.89	53.67	883.40	22.07	587.91	14.69	382.69	9.56	0.00
Total		108367.38	37852.37	34.93	21409.28	19.76	6075.97	5.61	39907.51	36.83	3122.25

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
TELANGANA											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
1	Adilabad	3776.85	1987.42	52.62	1789.43	47.38					
2	Bhadradi	7106.29	5102.73	71.81	2003.56	28.19					
3	Hyderabad	217.82	0.00	0.00	0.00	0.00			217.82	100.00	
4	Jagtial	2645.51	1876.78	70.94	189.70	7.17	186.79	7.06	392.24	14.83	
5	Jangaon	2043.44	400.21	19.59	841.67	41.19	87.61	4.29	713.95	34.94	
6	Jayashankar	2176.64	1950.57	89.61	226.08	10.39	0.00		0.00		
7	Jogulamba	2610.41	2433.35	93.22	177.06	6.78	0.00		0.00		
8	Kamareddy	3482.00	2273.73	65.30	992.44	28.50	215.83	6.20	0.00		
9	Karimnagar	2085.06	1372.67	65.83	449.99	21.58	262.39	12.58	0.00		
10	Khammam	4281.59	2683.53	62.68	1598.05	37.32	0.00		0.00		
11	Komarambhem	3831.15	3831.15	100.00	0.00	0.00	0.00		0.00		
12	Mahabubabad	3409.13	2276.88	66.79	1029.09	30.19	103.16	3.03	0.00		
13	Mahabubnagar	2489.05	121.50	4.88	2029.88	81.55	169.34	6.80	168.33	6.76	
14	Mancherial	5019.48	5019.48	100.00	0.00	0.00	0.00		0.00		
15	Medak	2547.07	1174.65	46.12	1372.41	53.88	0.00		0.00		
16	Medchal	1037.47	620.62	59.82	294.82	28.42	122.03	11.76	0.00		
17	Mulug	2400.80	2400.80	100.00	0.00	0.00	0.00		0.00		
18	Nagarkurnool	5257.84	2494.12	47.44	1728.44	32.87	658.69	12.53	376.59	7.16	
19	Nalgonda	7028.06	3249.81	46.24	2773.97	39.47	1004.28	14.29	0.00		
20	Narayanpet	2336.51	1585.92	67.88	750.59	32.12	0.00		0.00		
21	Nirmal	3264.37	3102.42	95.04	161.95	4.96	0.00		0.00		
22	Nizamabad	4088.55	1737.81	42.50	1576.17	38.55	622.28	15.22	152.29	3.72	
23	Peddapalle	1962.64	1788.62	91.13	0.00	0.00	174.02	8.87	0.00		
24	Rajanna	1731.39	0.00	0.00	312.64	18.06	441.79	25.52	976.95	56.43	
25	Rangareddy	4806.64	718.28	14.94	3054.88	63.56	946.92	19.70	86.56	1.80	
26	Sangareddy	4089.70	2134.15	52.18	1675.87	40.98	209.56	5.12	70.12	1.71	
27	Siddipet	3393.70	757.17	22.31	2202.42	64.90	262.47	7.73	171.64	5.06	
28	Suryapet	3607.50	2415.51	66.96	1054.16	29.22	137.83	3.82	0.00		
29	Vikarabad	3583.55	2093.38	58.42	1490.17	41.58	0.00		0.00		
30	Wanaparthy	2097.86	2097.86	100.00	0.00	0.00	0.00		0.00		
31	Warangal Rural	2101.23	2101.23	100.00	0.00	0.00	0.00		0.00		
32	Warangal Urban	1260.39	369.18	29.29	203.93	16.18	120.09	9.53	567.19	45.00	
33	Yadadri	3402.01	1170.04	34.39	1449.47	42.61	614.12	18.05	168.39	4.95	
	Total	105171.69	63341.58	60.23	31428.83	29.88	6339.21	6.03	4062.07	3.86	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
TRIPURA												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Dhalai	995.81	995.81	100.00								
2	Gomati	1098.28	1098.28	100.00								
3	Khowai	495.60	495.60	100.00								
4	North Tripura	543.82	543.82	100.00								
5	Siphahijala	871.70	871.70	100.00								
6	South Tripura	981.03	981.03	100.00								
7	Unakoti	428.78	428.78	100.00								
8	West Tripura	782.82	782.82	100.00								
	Total	6197.84	6197.84	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
UTTAR PRADESH											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
1	Agra	3947.17	296.38	7.51	848.76	21.50	561.58	14.23	2240.45	56.76	
2	Aligarh	3718.96	1762.31	47.39	1641.78	44.15	246.37	6.62	68.50	1.84	
3	Ambedkar Nagar	2458.98	2158.67	87.79	300.31	12.21					
4	Amethi	2329.92	2228.16	95.63	101.76	4.37					
5	Amroha	2149.03			734.77	34.19	1064.54	49.54	349.72	16.27	
6	Auraiya	2094.27	2094.27	100.00							
7	Ayodhya	2522.01	2097.35	83.16	424.66	16.84					
8	Azamgarh	4171.19	3020.63	72.42	1150.56	27.58					
9	Baghpat	1351.39			482.18	35.68	210.63	15.59	658.57	48.73	
10	Bahraich	4396.45	4396.45	100.00							
11	Ballia	3042.36	3042.36	100.00							
12	Balrampur	3348.57	3348.57	100.00							
13	Banda	4404.60	2159.49	49.03	2245.11	50.97					
14	Barabanki	3891.32	3891.32	100.00							
15	Bareilly	4093.64	3244.34	79.25	742.83	18.15			106.47	2.60	
16	Basti	2938.07	2938.07	100.00							
17	Bijnaur	4589.03	2809.11	61.21	1398.84	30.48	381.08	8.30			
18	Budaun	4237.88	1341.79	31.66	2136.10	50.40			759.99	17.93	
19	Bulandshahar	3609.47	386.86	10.72	1023.77	28.36	1002.49	27.77	1196.35	33.14	
20	Chandauli	1849.27	1849.27	100.00							
21	Chitrakoot	3006.65	1041.84	34.65	1410.80	46.92	554.01	18.43			
22	Deoria	2538.00	2538.00	100.00							
23	Etah	2427.57	485.67	20.01	1361.60	56.09	580.30	23.90			
24	Etawah	2403.01	2403.01	100.00							
25	Farrukhabad	2206.23	1063.82	48.22	1142.41	51.78					
26	Fatehpur	4252.55	2270.83	53.40	1287.95	30.29	349.59	8.22	344.18	8.09	
27	Firozabad	2419.53			891.92	36.86	202.61	8.37	1325.00	54.76	
28	G.B. Nagar	1442.73			473.82	32.84	636.66	44.13	332.25	23.03	
29	Ghaziabad	1169.14			228.16	19.52			940.98	80.48	
30	Ghazipur	3300.52	3082.02	93.38	218.50	6.62					
31	Gonda	3996.09	3996.09	100.00							
32	Gorakhpur	3226.54	3226.54	100.00							
33	Hamirpur	3815.40	1597.48	41.87	2217.92	58.13					
34	Hapur	1144.81			238.01	20.79	560.55	48.96	346.25	30.25	
35	Hardoi	5948.43	5645.63	94.91	302.80	5.09					
36	Hathras	1837.99	327.40	17.81	290.96	15.83	537.95	29.27	681.68	37.09	
37	Jalaun	4565.83	4565.83	100.00							
38	Jaunpur	3968.25	2204.19	55.55	1360.87	34.29	403.19	10.16			
39	Jhansi	4619.37	2644.95	57.26	1974.42	42.74					

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
UTTAR PRADESH											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)
40	Kannauj	2143.46	996.35	46.48	773.25	36.07			373.86	17.44	
41	Kanpur Dehat	3237.37	943.68	29.15	2293.69	70.85					
42	Kanpur Nagar	3345.79	949.51	28.38	1920.02	57.39	476.26	14.23			
43	Kasganj	1993.88	1098.74	55.11	688.08	34.51	207.06	10.38			
44	Kaushambi	1780.01	484.65	27.23	1015.97	57.08			279.39	15.70	
45	Kushi Nagar	2873.78	2873.78	100.00							
46	Lakhimpur Khiri	6555.05	6555.05	100.00							
47	Lalitpur	3819.42			3819.42	100.00					
48	Lucknow	2452.86	2142.76	87.36					310.10	12.64	
49	Maharajganj	2477.60	2477.60	100.00							
50	Mahoba	2293.41			1417.74	61.82			875.67	38.18	
51	Mainpuri	2760.72	1663.68	60.26	886.69	32.12			210.35	7.62	
52	Mathura	3360.78	2082.21	61.96	262.94	7.82	316.86	9.43	698.77	20.79	
53	Mau	1716.24	1716.24	100.00							
54	Meerut	2802.20	1184.97	42.29	939.52	33.53	499.93	17.84	177.78	6.34	
55	Mirzapur	2954.37	2137.01	72.33	487.67	16.51	232.96	7.89	96.70	3.27	
56	Moradabad	2249.44	317.95	14.13	1585.16	70.47	269.08	11.96	77.25	3.43	
57	Muzaffarnagar	2756.66	1469.32	53.30	743.91	26.99	304.70	11.05	238.73	8.66	
58	Pilibhit	3369.59	3369.59	100.00							
59	Pratapgarh	3717.43	1166.46	31.38	1591.70	42.82	959.27	25.80			
60	Prayagraj	4947.63	3352.78	67.77	1140.30	23.05	384.50	7.77	70.05	1.42	
61	Rae Bareilly	3924.58	3924.58	100.00							
62	Rampur	2297.90	933.32	40.62	1149.00	50.00	215.58	9.38			
63	S.Kabir Nagar	1646.99	1646.99	100.00							
64	S.Ravidas Nagar	983.05			983.05	100.00					
65	Saharanpur	3689.41	260.96	7.07	1652.30	44.78	415.60	11.26	1360.55	36.88	
66	Shahjahanpur	4581.31	4581.31	100.00							
67	Shamhal	2415.20	304.73	12.62	566.81	23.47	1543.66	63.91			
68	Shamli	1361.26			234.40	17.22			1126.86	82.78	
69	Shrawasti	1857.82	1857.82	100.00							
70	Siddharth Nagar	2895.03	2895.03	100.00							
71	Sitapur	5746.95	5746.95	100.00							
72	Sonbhadra	2382.06	2080.98	87.36	301.08	12.64					
73	Sultanpur	2670.20	2670.20	100.00							
74	Unnao	4602.34	4602.34	100.00							
75	Varanasi	1563.74	179.37	11.47	923.21	59.04			461.16	29.49	
Total		229657.75	148825.61	64.80	52007.48	22.65	13117.04	5.71	15707.61	6.84	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
UTTARAKHAND											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Dehradun	1255.44	1255.44	100.00							
2	Haridwar	1568.35	915.35	58.36	653.00	41.64					
3	Udham Singh Nagar	1932.82	1747.65	90.42	185.17	9.58					
4	Nainital	236.43	123.66	52.30	112.77	47.70					
	Total	4993.04	4042.10	80.95	950.94	19.05					

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2013											
WEST BENGAL											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Bankura	6873.65	6485.91	94.36	387.74	5.64					
2	Bardhaman	7263.30	4620.26	63.61	2643.04	36.39					
3	Birbhum	4543.61	3175.50	69.89	1368.11	30.11					
4	Dakshin Dinajpur	2250.82	2250.82	100.00							
5	Darjiling	802.01	802.01	100.00							
6	Haora	590.41	590.41	100.00							
7	Hugli	3137.55	711.03	22.66	2236.49	71.28	190.03	6.06			
8	Jalpaiguri	3824.39	3824.39	100.00							
9	Koch Bihar	3388.43	3388.43	100.00							
10	Malda	3678.61	3282.54	89.23	396.07	10.77					
11	Murshidabad	5351.13	1605.45	30.00	3745.68	70.00					
12	Nadia	3944.33	1126.95	28.57	2817.38	71.43					
13	North 24 Parganas	3039.94	2922.73	96.14	117.21	3.86					
14	Paschim Medinipur	9345.38	7904.18	84.58	1441.20	15.42					
15	Purba Medinipur	1670.41			1670.41	100.00					
16	Puruliya	6223.86	6223.86	100.00							
17	Uttar Dinajpur	3119.13	3119.13	100.00							
	Total	69046.96	52033.60	75.36	16823.33	24.37	190.03	0.28			

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
ANDAMAN & NICOBAR ISLANDS											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	N & M Andaman	580.40	580.40	100.00							
2	Nicobar	1218.23	1216.15	99.80							0.20
3	South Andaman	315.24	315.24	100.00							
	Total	2113.87	2111.79	99.90							0.10

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
CHANDIGARH												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Chandigarh	114.00			114.00	100.00						
	Total	114.00			114.00	100.00						

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
DADRA & NAGAR HAVELI												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Dadra & Nagar Haveli	416.00	416.00	100.00								
	Total	416.00	416.00	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
DAMAN & DIU												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Daman	70.90								70.90	100.00	
2	Diu	40.00	40.00	100.00								
	Total	110.90	40.00	36.07						70.90	63.93	

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
JAMMU & KASHMIR											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Anarhnag	657.11	657.11	100.00							
2	Bandipora	51.28	51.28	100.00							
3	Baramulla	1150.78	1150.78	100.00							
4	Budgam	850.00	850.00	100.00							
5	Doda	22.45	22.45	100.00							
6	Ganderbal	59.00	59.00	100.00							
7	Jammu	1652.11	1652.11	100.00							
8	Kathua	775.00	775.00	100.00							
9	Kishtwar	20.00	20.00	100.00							
10	Kulgam	144.00	144.00	100.00							
11	Kupwara	600.00	600.00	100.00							
12	Poonch	242.63	242.63	100.00							
13	Pulwama	660.65	660.65	100.00							
14	Rajouri	350.00	350.00	100.00							
15	Ramban	18.31	18.31	100.00							
16	Reasi	70.00	70.00	100.00							
17	Samba	447.89	447.89	100.00							
18	Shopian	234.00	234.00	100.00							
19	Srinagar	500.00	500.00	100.00							
20	Udhampur	218.47	218.47	100.00							
	Total	8723.68	8723.68	100.00							

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
LADAKH												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Kargil	200.00	200.00	100.00								
2	Leh	714.00	714.00	100.00								
	Total	914.00	914.00	100.00								

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020											
LAKSHADWEEP											
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	
1	Agatti	2.71	2.71	100.00							
2	Amini	2.59			2.59	100.00					
3	Androth	4.84	4.84	100.00							
4	Chetlat	1.04	1.04	100.00							
5	Kadmat	3.12	3.12	100.00							
6	Kalpeni	2.28	2.28	100.00							
7	Kavaratti	3.63			3.63	100.00					
8	Kiltan	1.63	1.63	100.00							
9	Minicoy	4.37	4.37	100.00							
	Total	26.21	19.99	76.27	6.22	23.73					

DYNAMIC GROUND WATER RESOURCES OF INDIA, 2020												
PUDUCHERRY												
S.No	Name of District	Total Recharge Worthy Area of Assessed Units (in sq.km)	Safe		Semi-Critical		Critical		Over-Exploited		Saline	
			Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%	Recharge Worthy Area of Assessed Units (in sq.km)	%
1	Karaikal	161.00	99.60	61.86							61.40	38.14
2	Mahe	9.00	9.00	100.00								
3	Puducherry	293.00					293.00	100.00				
4	Yanam	20.00									20.00	100.00
	Total	483.00	108.60	22.48			293.00	60.66			81.40	16.85

Annexure - IV(A)
State-wise Categorization of Blocks/ Mandals/ Taluks in India
(as in 2020)

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
ANDHRA PRADESH							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Ananthapur	1	Chilamathur	1	Nambulipulikunta	1	Somandepalle
		2	Amadagur			2	Tanakal
		3	Madakasira			3	Puttur
		4	Roddam			4	Yadiki
						5	Hindupur
						6	Yellanur
						7	Rolla
						8	Amarapuram
						9	Gandlapenta
						10	Gudibanda
						11	Agali
						12	Lepakshi
						13	Kothacheruvu
						14	Nallacheruvu
						15	Talupula
2	Chittoor	1	Chandragiri	1	Srirangarajapuram		
		2	Kurabalakota	2	Nindra		
		3	Palasamudram	3	Tirupati		
		4	Santhi Puram	4	Gudi Palle		
		5	Rama Kuppm	5	Ramasamudram		
		6	Thavanampalle	6	Puthalapattu		
		7	Gurramkonda				
		8	Pakala				
		9	Baireddi Palle				
		10	Pedda Panjani				
		11	Ramachandrapuram-17				
		12	Nimmanapalle				
		13	Venkatagiri Kota				
		14	Chowdepalle				
		15	Nagari				
		16	Penumuru				
		17	Gangavaram				
		18	Pulicherla				
		19	Puttur				
3	East Godavari	1	Rangampeta				
		2	Rajahmundry (Urban)				
4	Guntur			1	Piduguralla	1	Bollapalle
						2	Veldurthi
5	Kadapa	1	Chennur	1	Vemula	1	Chitvel
		2	Proddutur	2	Vempalle	2	Pulivendla
		3	Royachoti	3	Kamalapuram		
		4	Brahmamgarimattam	4	Sambepalle		
		5	Obulavaripalle	5	Chapad		
		6	Duvvur				
		7	Chinnamandem				
6	Krishna	1	Musunuru				
7	Kurnool	1	Kosigi	1	Bethamcherla		
		2	Chagalamarri				
8	Nellore	1	Gudur	1	Naidupeta		
9	Prakasam	1	Cumbum			1	Racherla
		2	Tarlapadu			2	Pedaaraveedu
		3	Giddaluru			3	Pullalacheruvu
		4	Komarolu			4	Markapur
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
667		40		15		23	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
BIHAR							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Begusarai	1	Bhagwanpur				
		2	Navkothi				
2	Bhojpur	1	Bihyan				
		2	Jagdishpur				
		3	Koilwar				
		4	Piro				
3	Buxar	1	Simri				
4	Gaya	1	Dumaria			1	Belaganj
		2	Gaya			2	Imamganj
		3	Khizirsarai			3	Manpur
		4	Konch				
		5	Tikari				
5	Jehanabad	1	Kako	1	Ghoshi	1	Ratni Faridpur
		2	Madanganj	2	Hulhasganj		
		3	Makhdumpur	3	Jehanabad		
6	Katihar	1	Dandkhora				
7	Lakhisarai	1	Halsi				
8	Madhepura	1	Alamnagar				
		2	Biharriganj				
		3	Gamharia				
		4	Gwalpara				
		5	Kishanganj				
		6	Shankarpur				
		7	Singheswar				
9	Muzaffarpur	1	Bendra			1	Musahari
						2	Sakra
10	Nalanda	1	Eknagarsari			1	Giriak
		2	Islampur				
		3	Karaiparsurai				
		4	Noorsarai				
		5	Prabalpur				
11	Nawada	1	Nawada	1	Maskaur		
		2	Warisaliganj				
12	Patna	1	Athmalgola				
		2	Belchi				
		3	Danapur/Khagaul				
		4	Masaurhi				
		5	Naubatpur				
		6	Patna Sadar				
		7	Phulwarisharif				
		8	Punpun				
		9	Sampatchak				
13	Purnia	1	Dagaura				
14	Samastipur	1	Ujjarpur				
15	Saran	1	Nagra				
16	Sitamarhi	1	Baipatti				
17	Siwan	1	Daeundah				
18	Vaishali	1	Chehra Kalan	1	Patepur		
		2	Hajipur				
		3	Jandaha				
		4	Lalganj				
		5	Raja Pakar				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
534		51		5		7	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020						
CHHATISGARH						
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No Name of Over-Exploited Assessment Units
1	Balod	1	Balod	1	Gurur	
		2	Gunderdehi			
2	Baloda Bazar	1	Simga			
3	Bemetara	1	Nawagarh	1	Bemetara	
		2	Saja	2	Berla	
4	Bilaspur	1	Belha			
5	Dhantari	1	Kurud	1	Dhantari	
		2	Magarlod			
		3	Nagri			
6	Durg	1	Dhamdha	1	Durg	
		2	Patan			
7	Gariaband	1	Rajim			
8	Janjgir-Champa	1	Dabhara			
		2	Malkharoda			
		3	Sakti			
9	Kanker	1	Charama			
10	Kawardha	1	Sahaspur Lohara	1	Kawardha	
				2	Pandariya	
11	Korba	1	Katghora			
12	Mahasamund	1	Basna			
		2	Pithora			
13	Raigarh	1	Baramkela			
		2	Pussore			
		3	Tamnar			
14	Raipur			1	Dharsiwa	
15	Rajnandgaon	1	Chhuikhadan	1	Khairagarh	
		2	Dongargaon			
		3	Dongargarh			
16	Surajpur	1	Surajpur			
ABSTRACT						
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units
146		27		9		Nil

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
DELHI							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Central	1	Civil Lines			1	Karol Bag
		2	Kotwali				
2	East	1	Gandhi Nagar			1	Maur Vihar
		2	Preet Vihar				
3	New Delhi					1	Chanakyapuri
						2	Delhi Cantonment
						3	Vasant Vihar
4	North			1	Alipur	1	Narela
				2	Model Town		
5	North East			1	Karawal Nagar	1	Yamuna Vihar
				2	Seelampur		
6	North West	1	Saraswati Vihar				
7	Shahdara			1	Seemapuri	1	Shahdara
						2	Vivek Vihar
8	South					1	Hauz Khas
						2	Mehrauli
						3	Saket
9	South East			1	Defence Colony	1	Kalka Ji
						2	Sarita Vihar
10	South West			1	Najafgarh	1	Dwarka
						2	Kapashera
11	West	1	Patel Nagar			1	Rajauri Garden
		2	Punjabi Bag				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
34		7		7		17	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
GUJARAT							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Ahmedabad	1	Mandal	1	Bavla		
		2	Ahmedabad City & Dascroi				
2	Amreli	1	Rajula				
3	Banaskantha	1	Vadgam			1	Dantiwada
		2	Palanpur			2	Deesa
						3	Deodar
						4	Dhanera
						5	Kankrej
						6	Lakhani
						7	Tharad
4	Gandhinagar	1	Kalol			1	Dehgam
		2	Mansa			2	Gandhinagar
5	Gir Somnath	1	Una				
6	Junagadh	1	Keshod	1	Visavadar	1	Bhesan
		2	Malia			2	Junagadh City & Juna
						3	Manavadar
7	Kachchh					1	Bhachau
						2	Bhuj
						3	Mandvi
8	Kheda	1	Galteshwar				
9	Mahesana	1	Kadi	1	Vijapur	1	Becharaji
		2	Unjha			2	Jotana
		3	Visnagar			3	Kheralu
						4	Mahesana
						5	Satlasana
						6	Vadnagar
10	Narmada	1	Nandod				
11	Patan	1	Patan	1	Sidhpur	1	Chanasma
						2	Sarsvati(Patan)
12	Porbandar	1	Porbandar				
13	Rajkot	1	Dhoraji				
		2	Vinchchiya				
14	Sabarkantha	1	Himatnagar			1	Prantij
		2	Idar				
		3	Vadali				
15	Surendranagar	1	Chuda				
16	Vadodara	1	Vadodara			1	Padra
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
248		24		4		25	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
HARYANA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Ambala	1	Ambala-II	1	Shahzadpur	1	Saha
				2	Ambala-I	2	Barara
						3	Naraingarh
2	Bhiwani	1	Bawani Khera			1	Kairu
		2	Bhiwani			2	Behal
						3	Tosham
						4	Loharu
3	Charkhi Dadri					1	Jhohju
						2	Badhra
4	Faridabad					1	Ballabgarh
						2	Faridabad
						3	Tigaon
5	Fatehabad			1	Bhuna	1	Ratia
						2	Jakhal
						3	Tohana
						4	Fatehabad
						5	Bhattu Kalan
						6	Nagpur
6	Gurgaon					1	Pataudi
						2	Farrukh Nagar
						3	Sohna
						4	Gurgaon
7	Hisar	1	Hansi	1	Agroha	1	Barwala
		2	Hisar-I	2	Adampur	2	Narnaund
		3	Hisar-II				
8	Jhajjar	1	Badli				
9	Jind	1	Pillukhera			1	Safidon
						2	Uchana
						3	Alewa
						4	Jind
						5	Ujhana
10	Kaithal					1	Kalayal
						2	Pundri
						3	Guhla
						4	Kaithal
						5	Rajound
						6	Siwan
						7	Dhand
11	Karnal	1	Indri			1	Karnal
						2	Munak
						3	Gharaunda (Part)
						4	Kunipura
						5	Nilokheri
						6	Assandh
						7	Nissing At Chirao
12	Kurukshetra					1	Ladwa
						2	Thanesar
						3	Pipli
						4	Shahbad
						5	Pehowa
						6	Babain
						7	Ismailabad
13	Mahendragarh	1	Satnali	1	Ateli Nangal	1	Sihma
						2	Mahendragarh
						3	Kanina
14	Mewat	1	Indri	1	Ferozepur Jhirka	1	Taoru
				2	Punahana		
15	Palwal	1	Hodal	1	Hassanpur	1	Badoli
		2	Palwal			2	Prithla
16	Panchkula			1	Raipur Rani		
17	Panipat					1	Panipat
						2	Sanauli Khurd
						3	Israna
						4	Bapoli
						5	Madlauda
						6	Samalkha
18	Rewari			1	Dahina	1	Khol At Rewari
						2	Nahar
						3	Rewari
						4	Dharuhera
						5	Jatusana
						6	Bawal
20	Sirsa	1	Baragudha			1	Sirsa
						2	Dabwali
						3	Odhan
						4	Nathusari Chopta
						5	Rania
						6	Ellenabad

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
HARYANA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
21	Sonapat					1	Murthal
						2	Sonipat
						3	Rai
						4	Mundlana
						5	Ganaur
22	Yamuna Nagar			1	Sadaura (Part)	1	Radaur
						2	Chhachhrauli
						3	Mustafabad
						4	Khizrabad
						5	Jagadhri
						6	Bilaspur
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
141		14		12		85	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
JHARKHAND							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Bokaro	1	Chas			1	Bermo
2	Deoghar	1	Sonaraithadhi				
3	Dhanbad	1	Dhanbad & Jharia	1	Baliapur	1	Topchanchi
4	Garhwa	1	Bhawanathpur				
5	Hazaribagh	1	Daru				
6	Ramgarh	1	Chitarpur				
		2	Mandu				
		3	Ramgarh				
7	Ranchi	1	Kanke	1	Silli		
		2	Khelari				
8	East Singhbhum					1	Golmuri Cum Jugsalai
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
259		10		2		3	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
KARNATAKA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Bagalkot	1	Hungund	1	Mudhol	1	Badami
		2	Rabakavi Banahatti			2	Bagalkote
						3	Guledagudda
2	Bangalore Rural					1	Devenhalli
						2	Dodaballapur
						3	Hoskote
						4	Nelamangala
3	Bangalore Urban					1	Anekal
						2	Bengaluru East
						3	Bengaluru North
						4	Bengaluru South
						5	Yelahanka
4	Belagavi	1	Chikodi	1	Athani	1	Bailahongal
		2	Gokak			2	Kagavada
		3	Hukkeri			3	Ramdurg
		4	Mudalagi			4	Saundatti
5	Bellary	1	Hadagalli			1	H.B.Halli
						2	Harapanahalli
						3	Kotturu
6	Bidar	1	Bhalki				
		2	Hulasuru				
7	Chamrajnagara	1	Kollegal	1	Yelandur	1	Chamrajnagara
		2	Kollegala(Hanur)			2	Gundlupet
8	Chikballapur					1	Bagepalli
						2	Chikballapur
						3	Chintamani
						4	Gauribidalur
						5	Gudibanda
						6	Sidlaghata
9	Chikkamagalur					1	Ajampura
						2	Kadur
10	Chitradurga					1	Challakere
						2	Chitradurga
						3	Hiriyur
						4	Holalkere
						5	Hosadurga
11	Davangere	1	Honnalli	1	Davangere	1	Channagiri
		2	Nyamati			2	Jagalur
12	Gadag	1	Mundargi	1	Gadag	1	Gajendragad
		2	Nargund			2	Ron
		3	Shirhatti				
13	Hassan			1	C R Patna	1	Arsikere
14	Haveri	1	Byadgi				
		2	Hirekerur				
		3	Ranibennur				
		4	Ratteehalli				
15	Kalburagi	1	Afzalpur				
16	Kolar					1	Bangarpet
						2	K.G.F
						3	Kolar
						4	Malur
						5	Mulbagal
						6	Srinivaspur
17	Koppal	1	Kanakagiri			1	Kukanuru
		2	Yelbarga				
18	Mandya	1	Malavalli				
19	Mysuru	1	Mysuru				
20	Raichur	1	Raichur				
		2	Sirivara				
21	Ramanagaram	1	Channapatana	1	Kanakapura		
				2	Magadi		
				3	Ranmanagara		
22	Tumakuru	1	Pavagada			1	Chicknayakanhalli
						2	Koratagere
						3	Madhugiri
						4	Sira
						5	Tiptur
						6	Tumakuru

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
KARNATAKA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
23	Vijayapura	1	Basavana Bagevadi	1	Chadachana		
		2	Kolhara				
		3	Nidagundi				
		4	Tikota				
24	Yadgir	1	Gurumithakala				
		2	Yadgir				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
227		35		10		52	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
KERALA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Idukki	1	Kattappana				
		2	Nedumkandam				
2	Kannur	1	Kannur				
		2	Panur				
		3	Thalassery				
3	Kasargod	1	Kanhangad	1	Kasaragod		
		2	Karadka				
		3	Manjeswar				
4	Kollam	1	Mukhathala				
5	Kozhikode	1	Ballussery				
		2	Kunnamangalam				
6	Malappuram	1	Kondotty				
		2	Kuttippuram				
		3	Malappuram				
		4	Mankada				
		5	Thanur				
		6	Thriurangadi				
		7	Tirur				
		8	Vengara				
7	Palakkad	1	Pattambi	1	Chittur		
		2	Thriithala	2	Malampuzha		
8	Thiruvananthapuram	1	Athiyannur				
		2	Chirayinkil				
		3	Nedumangad				
		4	Parassala				
		5	Pothencode				
9	Thrissur	1	Chowannur				
		2	Mathilakom				
		3	Thalikkulam				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
152		29		3		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
MADHYA PRADESH							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Agar Malwa	1	Barod			1	Susner
						2	Nalkhera
2	Ashoknagar	1	Ishagarh				
3	Barwani	1	Rajpur			1	Pansemal
4	Betul	1	Betul				
		2	Multai				
5	Bhopal	1	Bhopal Urban				
		2	Phanda				
6	Chhatarpur	1	Bijawar				
		2	Buxwaha				
		3	Chhatarpur				
		4	Nowgaon				
7	Chhindwara	1	Mohkhed	1	Chhindwara		
		2	Pandhurna				
8	Damoh	1	Patheriya				
9	Dewas	1	Khategaon			1	Sonkutch
						2	Dewas
10	Dhar			1	Tirla	1	Dhar
						2	Nalcha
						3	Badnawar
11	Gwalior	1	Gwalior Urban				
12	Hoshangabad	1	Bankhedi				
13	Indore	1	Mhow			1	Indore Urban
						2	Sanwer
						3	Indore
						4	Depalpur
14	Jabalpur			1	Jabalpur		
15	Jhabua	1	Jhabua				
16	Khandwa	1	Chhegaon Makhan				
17	Khargone	1	Khargone				
18	Mandsaur	1	Garoth	1	Malahargarh	1	Mandsaur
				2	Bhanpura	2	Sitama
19	Narsinghpur	1	Narsinghpur				
20	Neemuch	1	Manasa			1	Jawad
						2	Neemuch
21	Raisen	1	Obedullaganj				
22	Rajgarh	1	Zeerapur	1	Narsingh Garh		
		2	Khilchipur	2	Sarangpur		
		3	Biora				
23	Ratlam	1	Sailana			1	Ratlam
		2	Bajna			2	Alote
						3	Jaora
						4	Piploda
24	Rewa	1	Mauganj				
25	Satna	1	Sohawal				
		2	Maihar				
		3	Rampur Baghalan				
26	Sehore			1	Ashta		
27	Shajapur	1	Shajapur			1	Kalapipal
						2	Shujalpur
						3	Mohan Berodia
28	Shivpuri	1	Kolaras				
		2	Badarwas				
		3	Pichor				
		4	Narwar				
		5	Khanniyadhana				
29	Tikamgarh	1	Jatara				
		2	Tikamgarh				
		3	Baldeogarh				
		4	Palera				
		5	Niwari				
30	Ujjain	1	Mahidpur			1	Ujjain
		2	Tarana			2	Ghatia
		3	Kachrod			3	Badnagar
31	Vidisha	1	Gyraspur				
		2	Kurwai				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
317		50		8		26	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
MAHARASHTRA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Ahmednagar	1	Akola	1	Kopargaon	1	Rahata
		2	Newasa	2	Rahuri		
		3	Pathardi	3	Sangamner		
		4	Shevgaon	4	Shrirampur		
		5	Shrigonda				
2	Akola	1	Barsi Takli				
3	Amravati	1	Amravati			1	Achalpur
		2	Dhamangaon Railway			2	Chandur Bazar
		3	Nandgaon			3	Morshi
						4	Warud
4	Aurangabad	1	Aurangabad				
		2	Fulambre				
		3	Gangapur				
		4	Khuldabad				
		5	Paithan				
		6	Sillod				
		7	Vaijapur				
5	Buldhana	1	Buldhana			1	Jalgaon
		2	Chikhali			2	Sangrampur
		3	Deulgaon Raja				
		4	Khamgaon				
		5	Lonar				
		6	Malakapur				
		7	Motala				
		8	Nandura				
		9	Sindkhed Raja				
6	Jalgaon	1	Amalner			1	Raver
		2	Bhadgaon			2	Yawal
		3	Bhusaval				
		4	Bodwad				
		5	Chalisgaon				
		6	Chopda				
		7	Jamner				
		8	Pachora				
		9	Parola				
7	Latur	1	Latur				
8	Nagpur	1	Katol				
		2	Saoner				
9	Nashik	1	Baglan Satana	1	Deola		
		2	Chandwad	2	Niphad		
		3	Yeola	3	Sinnar		
10	Osmanabad	1	Kalamb				
		2	Osmanabad				
11	Pune	1	Ambegaon	1	Shirur		
		2	Baramati				
		3	Daund				
		4	Indapur				
		5	Junnar				
		6	Khed				
		7	Purandhar				
12	Sangli	1	Kavathe Mahankal				
13	Satara	1	Khatav				
		2	Man				
		3	Patan				
		4	Phaltan				
		5	Wai				
14	Solapur	1	Barshi			1	Malshiras
		2	Karmala				
		3	Madha				
		4	Mangalveda				
		5	Mohol				
		6	Pandharpur				
		7	Sangola				
15	Wardha	1	Karanja				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
353		63		8		10	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
ODISHA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Balasore	1	Baliapal				
2	Jajpur	1	Korei				
3	Kendrapara	1	Garadpur				
4	Khurda	1	Bhubaneswar				
		2	Bologarh				
5	Nuapada	1	Nuapada				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
314		6		Nil		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
PUNJAB							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Amritsar					1	Ajnala
						2	Attari
						3	Chogawan
						4	Harsha China
						5	Jandiala
						6	Majitha
						7	Rayya
						8	Tarsika
2	Barnala					1	Verka
						2	Barnala
						3	Mahal Kalan
						4	Sehna
3	Bathinda	1	Rampura	1	Talwandi Saboo	1	Bathinda
						2	Bhagta Bhai Ka
						3	Goniana Mandi
						4	Maur
						5	Nathana
						6	Phul
4	Faridkot					1	Faridkot
						2	Jaiton
						3	Kot Kapura
5	Fatehgarh Sahib					1	Amloh
						2	Bassi Pathana
						3	Khamanon
						4	Khera
						5	Sirhind
6	Fazilka			1	Fazilka	1	Arniwala Sheikh Subanpur
						2	Jalalabad
7	Ferozepur					1	Ferozpur
						2	Ghall Khurd
						3	Guru Har Sahai
						4	Makhu
						5	Mamdot
						6	Zira
8	Gurdaspur	1	Dina Nagar	1	Gurdaspur	1	Batala
				2	Qadian	2	Dera Baba Nanak
				3	Sri Hargobindpur	3	Dhariwal
						4	Fatehgarh Churian
						5	Kahnuwan
						6	Kalanaur
9	Hoshiarpur	1	Mahilpur			1	Dasuya
		2	Mukerian			2	Garhsahnkar
		3	Hoshiarpur II			3	Hoshiarpur-1
						4	Tanda
10	Jalandhar					1	Adampur
						2	Bhogpur
						3	Jalandhar-East
						4	Jalandhar-West
						5	Lohian
						6	Mehatpur
						7	Nakodar
						8	Nur Mahal
						9	Phillaur
						10	Rurka Kalan
						11	Shahkot
11	Kapurthala					1	Dhilwan
						2	Kapurthala
						3	Nadala
						4	Phagwara
						5	Sultanpur Lodhi
12	Ludhiana					1	Dehlon
						2	Doraha
						3	Jagraon
						4	Khanna
						5	Ludhiana - I
						6	Ludhiana - II
						7	Machhiwara
						8	Maloud
						9	Pakhowal
						10	Raikot
						11	Samrala
						12	Sidhwan Bet
						13	Sudhar
13	Mansa					1	Bhikhi
						2	Budhlada
						3	Jhunir
						4	Mansa
						5	Sardulgarh

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
PUNJAB							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
14	Moga					1	Bagha Purana
						2	Dharamkot (Kot Isa K
						3	Moga I
						4	Moga II
						5	Nihal Singh Wala
15	Sas Nagar					1	Dera Bassi
						2	Kharar
16	Nawanshahr	1	Balachaur			1	Aur
						2	Banga
						3	Nawan Shahr
17	Pathankot	1	Bamyal				
		2	Gharota				
		3	Narot Jamal Singh				
18	Patiala					1	Bhuner Heri
						2	Ghanaur
						3	Nabha
						4	Patiala
						5	Patran
						6	Rajpura
						7	Samana
						8	Sanaur
						9	Shambu Kalan
19	Ropar	1	Anandpur Sahib	1	Nurpur Bedi	1	Chamkaur Sahib
						2	Morinda
						3	Andana
20	Sangrur					1	Bhiwanigarh
						2	Dhuri
						3	Dirba
						4	Lehraghaga
						5	Maler Kotla
						6	Malerkotla-2
						7	Sangrur
						8	Sherpur
						9	Sunam
21	Tarn Taran					1	Bhikhiwind
						2	Chola Sahib
						3	Gandiwind
						4	Khadur Sahib
						5	Naushehra Panuan
						6	Patti
						7	Tarn Taran
						8	Valtoha
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
150		10		6		117	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
RAJASTHAN							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Ajmer					1	Arain
						2	Bhinay
						3	Jawaja
						4	Kekri
						5	Kishangarh
						6	Masooda
						7	Peesangan
						8	Sarwar
						9	Shrinagar
2	Alwar					1	Bansur
						2	Behror
						3	Kathumar
						4	Kishangarh Bas
						5	Kotkasim
						6	Laxmangarh
						7	Mandawar
						8	Neemrana
						9	Rajgarh
						10	Ramgarh
						11	Reni
						12	Thanagazi
						13	Tijara
						14	Umren
3	Banswara	1	Anandpuri				
		2	Bagidora				
		3	Gangar Talai				
		4	Garhi				
		5	Kushalgarh				
4	Baran	1	Antah			1	Atru
		2	Kishanganj			2	Baran
		3	Shahbad			3	Chhabra
						4	Chhipabarod
5	Barmer	1	Patodi	1	Siwana	1	Balotra
				2	Gudhamalani	2	Barmer
						3	Baytoo
						4	Dhanaoo
						5	Dhorimanna
						6	Gadraroad
						7	Gira
						8	Ramsar
						9	Samdari
						10	Serwa
						11	Sheo
						12	Sindhari
6	Bharatpur			1	Deeg	1	Bayana
						2	Kaman
						3	Kumher
						4	Nadbai
						5	Nagar
						6	Pahari
						7	Rupbas
						8	Sewar
						9	Weir
7	Bhilwara					1	Asind
						2	Banera
						3	Bijoliyan
						4	Hurda
						5	Jahazpur
						6	Kotri
						7	Mandal
						8	Mandalgarh
						9	Raipur
						10	Sahara
						11	Shahpura
						12	Suwana
8	Bikaner	1	Panchoo			1	Bikaner
						2	Dungargarh
						3	Nokha
9	Bundi	1	Keshorai Patan	1	Bundi	1	Hindoli
						2	Nainwa
10	Chittaurgarh					1	Bari Sadri
						2	Begun
						3	Bhadesar
						4	Bhainsrorgarh

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
RAJASTHAN							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
						5	Bhopalsagar
						6	Chittaurgarh
						7	Dungla
						8	Gangrar
						9	Kapasan
						10	Nimbahera
						11	Rashmi
11	Churu			1	Churu	1	Rajgarh
						2	Ratangarh
						3	Sujanagarh
						4	Bidasar
12	Dausa					1	Bandikui
						2	Dausa
						3	Lalsot
						4	Lawan
						5	Mahwa
						6	Sikrai
13	Dhaulpur			1	Baseri	1	Dhaulpur
						2	Rajakhera
						3	Salpau
						4	Bari
14	Dungarpur	1	Dovra				
		2	Sagwara				
15	Jaipur					1	Amber
						2	Bassi
						3	Chaksu
						4	Dudu
						5	Govindgarh
						6	Jaloo
						7	Jamwa Ramgarh
						8	Jhotwara
						9	Kotputli
						10	Paota
						11	Phagi
						12	Sambhar
						13	Sanganer
						14	Shahpura
						15	Viratnagar
16	Jaisalmer					1	Jaisalmer
						2	Sam
						3	Sankra
17	Jalor	1	Chitalwana			1	Ahore
						2	Bhinmal
						3	Jalore
						4	Jaswantpura
						5	Raniwara
						6	Sanchoe
						7	Sayla
18	Jhalawar	1	Aklara	1	Manohar Thana	1	Bakani
		2	Bhawani Mandi			2	Dag
		3	Pirawa			3	Jhalrapatan
						4	Khanpur
19	Jhunjhun					1	Aisisar
						2	Buhana
						3	Chirawa
						4	Jhunjhunu
						5	Khetri
						6	Nawalgarh
						7	Surajgarh
						8	Udaipurwati
20	Jodhpur	1	Bap	1	Luni	1	Balesar
						2	Baori
						3	Bapini
						4	Bhopalgarh
						5	Bilara
						6	Dechoo
						7	Lohawat
						8	Mandor
						9	Osian
						10	Phalodi
						11	Pipar City
						12	Shekhala
						13	Shergarh
						14	Tiwari

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
RAJASTHAN							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
21	Karauli	1	Nadoti			1	Hindaun
						2	Karauli
						3	Mandrail
						4	Sapotra
						5	Todabhim
22	Kota	1	Itawa			1	Khairabad
		2	Ladpura			2	Sangod
		3	Sultanpur				
23	Nagaur			1	Nagaur	1	Degana
						2	Didwana
						3	Jayal
						4	Kheenvsar
						5	Kuchaman City
						6	Ladnu
						7	Makrana
						8	Merta
						9	Molasar
						10	Mundwa
						11	Nawa
						12	Parbatsar
						13	Riyan Bari
24	Pali	1	Pali			1	Bali
						2	Desuri
						3	Jaitaran
						4	Kharchi (Marwar Junc
						5	Raipur
						6	Rani Station
						7	Sojat
						8	Sumerpur
25	Pratapgarh			1	Dhariawad	1	Arnod
						2	Chhoti Sadri
						3	Pratapgarh
26	Rajsamand			1	Khamnor	1	Amet
				2	Kumbhalgarh	2	Bhim
						3	Deogarh
						4	Railmagra
						5	Rajsamand
27	Sawai Madhopur					1	Bamanwas
						2	Bonli
						3	Chauth Ka Barwara
						4	Gangapur
						5	Khandar
						6	Sawai Madhopur
28	Sikar			1	Fatehpur	1	Danta Ramgarh
						2	Dhond
						3	Khandela
						4	Lachhmangarh
						5	Neem Ka Thana
						6	Patan
						7	Piprali
						8	Srimadhopur
29	Sirohi	1	Pindwara			1	Abu Road
						2	Reodar
						3	Sheoganj
						4	Sirohi
30	Tonk	1	Deoli	1	Tonk	1	Malpura
		2	Todaraisingh			2	Niwai
						3	Uniar
31	Udaipur	1	Jhalara	1	Bhindar	1	Bargaon
		2	Salumbar	2	Girwa	2	Kotra
		3	Semari	3	Gogunda	3	Lasadiya
				4	Jhadol	4	Mavli
				5	Kherwara	5	Rishabhdev
				6	Kurawar		
				7	Phalasiya		
				8	Sarada		
				9	Sayra		
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
295		29		23		203	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Ariyalur	1	Sendurai				
2	Chengalpattu	1	Perumpakkam	1	Nerumbur	1	Chengalpattu
		2	Karumbakkam	2	Thirukazhukundram	2	Appur
		3	Singaperumalkoil			3	Orathi
		4	Kattankulathur				
		5	Acchirupakkam				
		6	Pallur(K)				
		7	Jameenendathur				
		8	Vandalur				
		9	Chithamur				
		10	L.Endathur				
		11	Mamallapuram				
		12	Onampakkam				
		13	Guduvancheri				
		14	Ponvilayanthalakalathur				
		15	Kodur				
		16	Kayapakkam				
		17	Cheyyur				
3	Chennai	1	Madhavaram			1	Mambalam - Guindy-I
						2	Purasawalkam -Perambur-IV
						3	Kottai - Thondiarpet-I
						4	Mambalam - Guindy-IV
						5	Mylapore - Tiruvallikeni-IV
						6	Kottai - Thondiarpet-III
						7	Mambalam - Guindy-III
						8	Korattur
						9	Mylapore - Tiruvallikeni-I
						10	Mambalam - Guindy-II
						11	Manali
						12	Mylapore - Tiruvallikeni-III
						13	Ambattur
						14	Mylapore - Tiruvallikeni-II
						15	Maduravoil
						16	Purasawalkam -Perambur-II
						17	Egmore - Nungambakkam-III
						18	Egmore - Nungambakkam-I
						19	Purasawalkam -Perambur-I
						20	Porur
						21	Purasawalkam -Perambur-III
						22	Egmore - Nungambakkam-IV
						23	Kottai - Thondiarpet-IV
						24	Kottai - Thondiarpet-II
						25	Thiruvottiyur
						26	Egmore - Nungambakkam-II
4	Coimbatore	1	Thudialur	1	Kottur	1	Kinathukataavu
		2	Anamalai	2	Sulur	2	Pollachi(N)
		3	Kuniamuthur			3	Thondamuthur
		4	Kurichi			4	Pollachi(S)
		5	Marchinaickenpalayam			5	Annur(S)
						6	Kovilpalayam
						7	Vadavalli
						8	Thirumalaiampalayam
						9	Ottakkal Mandabam
						10	Varapatti
						11	Sarkar Samakulam
						12	Annur(N)
						13	Perianegamam
						14	Mettupalayam
						15	Vadachittur
						16	Karumathampatti
						17	Madukkarai
						18	Singanallur
						19	Karamadai
						20	Selakkarichal
						21	Ganapathi
						22	Alandurai
						23	Saravanampatti
						24	Kolarpatti
						25	Ramapattinam
						26	Anupparpalayam
						27	Periyanaickenpalayam
						28	Perur
						29	Coimbatore
						30	Madampatti

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
5	Cuddalore	1	Tittagudi (E)	1	Thozhudur	1	Rettichavadi
		2	Panruti			2	Nellikuppam
		3	Umangalam			3	Kammapuram (W)
		4	Sirupakkam			4	Pennadam
		5	Manjakuppam			5	Virudhachalam(S)
		6	Udaiyarkudi			6	Kammapuram (E)
		7	Kadampuliyur				
		8	Tittagudi (W)				
		9	Kurinipadi				
		10	Kullanchavadi				
		11	Virudhachalam(N)				
		12	Thiruvanthipuram				
6	Dharmapuri	1	Palacode			1	Karimangalam
		2	Nallampalli			2	Marandahalli
		3	Harur			3	Indur
		4	Pappireddipatty			4	Bommidi
		5	Dharmapuri			5	Papparapatty
		6	Morappur			6	Thenkaraikottai
		7	Krishnapuram			7	Pennagaram
						8	Pulikarai
						9	Perianahalli
						10	Kadathur
						11	Vellichandai
						12	Palayam
						13	Perumbalai
						14	Kambainallur
7	Dindigul	1	Natham	1	Neikkarapattai	1	Chinnalpatti
		2	Pappampatti	2	Korikadavu	2	Nilakottai
		3	Dindigul East	3	Kambiliampatti	3	Kottanatham
		4	Reddiapatti	4	Athoor	4	Devathur
		5	Senthurai	5	Pillaiyarnatham	5	Puliyurnatham
						6	Dindigul West
						7	Palakkanoothu
						8	Shanarpatti
						9	Kovilur
						10	Reddiarchatram
						11	Vatlagundu
						12	Kallimanthayam
						13	Oruthattu
						14	Vadamadurai
						15	Silvathur
						16	Eriodu
						17	Vedasandur
						18	Dharmathupatti
						19	Thoppampatti
						20	Ayyampalayam
						21	Oddanchathram
						22	Palayam
						23	Ayyalur
						24	Chinnakkampatti
						25	Viruveedu
						26	Ayakudi
8	Erode	1	Kurichi	1	Ammappettai	1	Elathur
		2	Kanjikoil			2	Kodumudi
		3	Thalavadi			3	Athani
		4	Sivagiri			4	Anthiyur
		5	Bhavani			5	Erode East
		6	Siruvalur			6	Punjaipuliampatti
		7	Kuthiyalathur			7	Bhavanisagar
		8	Poondurai			8	Arachalur
		9	Kavandapadi			9	Perundurai
		10	Vaniputhur			10	Sathyamangalam
						11	Nambiyur
						12	Kilampadi
						13	Chennimalai
						14	Erode West
						15	Modakurichi
						16	Vellore
						17	Thingalur
						18	Kasipalayam
						19	Arasur
						20	Erode North
9	Kallakurichi	1	Sankarapuram	1	Nagalur	1	Nainarpalayam
		2	Vadakanandal	2	Kallakurichi	2	Elavanasurkottai
		3	Sengurichi	3	Kalvarayan Malai	3	Thiruppalapandal
		4	Manalurpettai	4	Chinnasalam	4	Eraiur
		5	Alathaur	5	Kalamarudur	5	Indili
				6	Ulundurpettai	6	Thiyagadurgam
10	Kancheepuram	1	Kunnavakkam	1	Govindhavadi	1	Thirupulivanam
		2	Thiruppu Kuzhi			2	Arumpuliyur
		3	Sirukaveripakkam			3	Walajabad
		4	Uthiramerur				
		5	Kollapakkam				
		6	Kaliyampoondi				

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
11	Kanniyakumari	1	Rajakkamangalam				
12	Karur	1	Manmangalam			1	Pallapatti
		2	Chinthalavadi			2	Thalapatti
		3	Chinnadharapuram			3	Vangal
		4	Aravakurichi			4	Thoranakalpatti
						5	Kattalai
						6	Velliyani
						7	Mailampatti
						8	K.Paramathy
						9	Kadavur
						10	Thogaimalai
						11	Pugalur
						12	Panjapatti
						13	Thennilai
						14	Karur
13	Krishnagiri	1	Kelamangalam	1	Rayakottai	1	Singarapettai
		2	Periyamuthur			2	Uthangarai
		3	Krishnagiri			3	Berigai
		4	Mathigiri			4	Guruparapalli
		5	Pochampalli			5	Alapatti
		6	Hosur			6	Nagarasampatti
		7	Bagalur			7	Mathur
						8	Samalpatti
						9	Palepalli
						10	Kallavi
						11	Veppanapalli
						12	Bargur
14	Madurai	1	Madurai East	1	Madurai West	1	Sindhupatti
		2	Peraiyur	2	Karumathur	2	Usilampatti
		3	Valayankulam	3	Thirumangalam	3	Kokkulam
		4	Valanthur			4	Sedapatti
		5	Kalligudi			5	Uthappanaickanur
		6	Pannikkundu			6	Nagamalai Pudukotta
		7	Elumalai			7	A.Vellalapatti
						8	Vellalur
						9	Muduvarpatti
						10	Kottampatti
						11	Palamedu
15	Nagapattinam					1	Sirkali
						2	Palaiyur
						3	Madhanam
						4	Kuttalam
						5	Melaiyur
						6	Sembanarkoil
						7	Puthur
						8	Pattavarthi
						9	Thiruvankadu
						10	Vaitheeswaran Koil
						11	Manganallur
						12	Mayiladuthurai
						13	Thiruvilaiyattam
16	Namakkal	1	Jedarpalayam	1	Elachipalayam	1	Senthamagalam
		2	Manickampalayam			2	Nallipalayam
		3	Molasi			3	Valaiyapatti
		4	Pallapatti			4	Pandamangalam
						5	Mangalapuram
						6	Puduchatram
						7	Namakkal
						8	Vennandur
						9	Kumarapalayam
						10	Alanganatham
						11	Mallasamudram
						12	Namagiripettai
						13	Vaiyappamalai
						14	Paramathi
						15	Rasipuram
						16	Erumaipatti
						17	Tiruchengode
						18	Kalappanaikanpatti
						19	Mullukurichi
						20	Nallur
						21	Sellappampatti
						22	Mohanur
17	Perambalur	1	Koothur			1	Kurumbalur
						2	Valikandapuram
						3	Keelapuliur
						4	Vengalam
						5	Pasumbalur
						6	Perambalur
						7	Chettikulam
18	Pudukkottai	1	Ponnamaravathy				
		2	Viralimalai				
		3	Arasarkulam				
		4	Arasamalai				

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
		5	Kottur				
		6	Keeramangalam				
		7	Kodumbalur				
		8	Narthamalai				
		9	Karaiyur				
		10	Vennavalkudi				
19	Ranipet	1	Velam	1	Kalavai	1	Arcot
		2	Arakonam(South)	2	Nemili(V)	2	Walajah
		3	Kaveripakkam			3	Pudupadi
		4	Visharam			4	Timiri
		5	Banavaram				
		6	Mambakkam				
		7	Pallur				
		8	Sholinghur				
		9	Panapakkam				
		10	Paranji				
		11	Ranipet				
20	Salem	1	Kolathur	1	Karupur	1	Omalur
		2	Patchamalai	2	Panamathupatti	2	Poolampatti
						3	Pottaneri
						4	Karippatti
						5	Thalaivasal
						6	Alagapuram
						7	Gangavalli
						8	Valasaiyur
						9	Palamalai
						10	Mecheri
						11	Veeraganoor
						12	Sankari East
						13	Kadayampatti
						14	Kondalampatti
						15	Ernapuram
						16	Kattukkottai
						17	Malliyakarai
						18	Yethapur
						19	Veerapandi
						20	Mettur
						21	Pethanaickanpalayam
						22	Thirumalaigiri
						23	Tharamangalam
						24	Vembadithalam
						25	Sankari West
						26	Nangavalli
						27	Vazhappadi
						28	Semmandappatti
						29	Belur
						30	Suramangalam
						31	Salem Town
						32	Attur
						33	Konganapuram
						34	Edappadi
21	Tenkasi	1	Alankulam	1	Veerakeralampudur	1	Keezhapavoor
		2	Vasudevanallur			2	Veerasingamani
		3	Thiruvengadam			3	Kallurani
		4	Kadayanallur			4	Karivaklamvandanallur
						5	Sernthamangalam
						6	Surandai
						7	Pazhankottai
						8	Uthumalai
						9	Karuvantha
						10	Kurukkalpatti
						11	Puliyankudi
						12	Sankarankoil
						13	Ayikudi
						14	Gudalur
						15	Karikal Kulam
						16	Nettur
						17	Venkadampatti
22	Tirupathur	1	Ambalur	1	Andiyappanur	1	Vaniyambadi
		2	Pudurnadu	2	Alangayam	2	Kandhili
		3	Jolarpet			3	Tirupathur
						4	Natrampalli
						5	Koratti
						6	Ammanankoil
23	Thanjavur	1	Orathanad	1	Thambikkottai	1	Thirukkattupalli
		2	Peravurani	2	Nambivayal	2	Avanam
		3	Saliyamangalam	3	Periyakottai	3	Kumbakonam
		4	Budalur	4	Ulur	4	Pattukkottai
		5	Thekkur			5	Andikkadu
		6	Kurichi			6	Thiruvaiyaru
		7	Perambur			7	Ammapet
		8	Thanjavur			8	Thiruvadamurudur
						9	Adirampattinam
						10	Aduthurai
						11	Nachiyarkoil
						12	Devanancheri
						13	Thuvranankurichi

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
						14	Sillathur
						15	Kathiramangalam
						16	Agarapettai
						17	Kuruvikarambai
						18	Murukkangudi
						19	Kavalipatti
						20	Thondarampattu
						21	Melattur
						22	Thirumangalakottai
						23	Pandanallur
						24	Nanjikottai
						25	Papanasam
						26	Tiruchitrabalam
						27	Madukkur
						28	Vallam
						29	Ramapuram
						30	Kandiyur
						31	Kabisthalam
						32	Ayyampettai
						33	Tiruppanandal
						34	Nadukaveri
24	The Nilgiris	1	Ilthalar				
		2	Kundah				
25	Theni	1	Andipatti	1	Kandamanur	1	Thevaram
		2	Kodangipatti	2	Rajathani	2	Erasakkanaickanur
		3	Theni				
		4	Devathanapatti				
		5	Uthamapalayam				
		6	Mayladumparai				
		7	Thenkarai				
		8	Kodivilarpatti				
26	Thiruvallur	1	Uthukkottai	1	Tiruttani	1	Voyalannallur
		2	Morai	2	Vengathur	2	Avadi
		3	Tirur			3	Thirumullaivoyil
		4	Poonimangadu			4	Vellanur
		5	Pallipattu			5	R.K.Pet
		6	Thirumazhisai			6	Thiruninravur
		7	Poondi			7	Poonamallee
		8	Kannigaipair				
		9	Mappedu				
		10	Erumbi				
		11	Manavor				
		12	Kanagammachattaram				
		13	Cherukkanoor				
		14	Nemam				
		15	Velliyur				
		16	Puzhal				
		17	Balapuram				
27	Thiruvarur	1	Koothanallur	1	Vadapathimangalam	1	Thirukkannamangai
		2	Nannilam			2	Agarathirumalam
		3	Sannanallur			3	Avoor
						4	Kulikkurai
						5	Kodavasal
						6	Peralam
						7	Valangaiman
						8	Thiruvizhimazhalai
						9	Alangudi
						10	Koradacheri
28	Thoothukkudi	1	Sattankulam	1	Parivallikottai	1	Pallakurichi
		2	Kayathar			2	Ilayarasanendal
						3	Udangudi
29	Tiruchirappalli	1	Valanadu	1	Uppiliyapuram	1	Kannanur
		2	Peruvalpur			2	Sengattuppatti
		3	Ealurpatti			3	V.Periyapatti
		4	Kattuputhur			4	Thathaiyanganarpettai
		5	Thottiyam			5	Valaieduppu
		6	Musiri			6	Kariyamanickam
		7	Mannachanallur			7	Koppampatti
		8	Sirugambur			8	Manikandam
						9	Thumbalam
						10	Pulivalam
						11	Marungapuri
						12	Pannappatti
						13	Thuraiyur
						14	Vaiyampatti
						15	Thuvurangurichi
						16	Manapparai
						17	Eragudi
30	Tirunelveli	1	Moolakaraipatti	1	Radhapuram	1	Vannikonenthal
		2	Vijayanarayanapuram			2	Pazhavor
		3	Levinjipuram				
		4	Manur				
		5	Thalaiyuthu				
		6	Sivanthipatti				

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
31	Tiruppur	1	Nallur	1	Tiruppur (N)	1	Kunnathur
		2	Udumalpet	2	Sankarandampalayam	2	Karadivavi
		3	Kurichikottai	3	Alangiyam	3	Tiruppur (S)
		4	Thungavi	4	Nathakadaiyur	4	Velampalayam
		5	Dharapuram			5	Gudimangalam
						6	Samalapuram
						7	Kannivadi
						8	Kundadam
						9	Avinashi(E)
						10	Vellakoil
						11	Pongalur
						12	Uthiyur
						13	Kangeyam
						14	Mulanur
						15	Ponnapuram
						16	Avinashi(W)
						17	Avinashipalayam(S)
						18	Palladam
						19	Cheyur
						20	Periavalavadi
						21	Uthukuli
						22	Pethappampatti
						23	Perumanallur
32	Tiruvannamalai	1	T.V.Malai (North)	1	Mangalam	1	Kolappalur
		2	T.V.Malai(South)	2	Veraiyur	2	Thatchampattu
		3	Nateri	3	Vadathandalam	3	Kilkodungalur
		4	Devikapuram	4	Kilpennathur	4	Thachambadi
		5	Perungattur	5	Vandavasi	5	Mullipattu
		6	Arni	6	Modayur	6	Eraiur
		7	Kalasapakkam			7	Melpallipattu
		8	Vanapuram			8	Pudupalayam
		9	Cheyyar			9	Thanipadi
		10	Kannamangalam			10	Desur
		11	Anakavoor			11	Kettavarampalayam
		12	Dusi			12	Nedungunam
		13	Vembakkam			13	Somaspadi
		14	Vakkadai			14	Osur
		15	Thandarampat			15	Chengam Jawaduhills
		16	Mandakolathur			16	Kelur
		17	Thellar			17	Malaiyur
		18	Polur			18	Santhavasal
		19	Thethurai			19	Chennavaram
		20	Sathyavijayanagaram			20	Vettavlam
		21	Agrapalayam			21	Kadaladi
		22	Peranamallur			22	Pachal
		23	Nayadumangalam			23	Thurinipapuram
33	Vellore	1	Katpadi	1	Pennathur	1	Valathur
		2	Thiruvalam	2	Ussoor	2	Gudiyatham(East)
		3	Kaniyambadi			3	Pallikonda
		4	Pernampattu			4	Vaduganthangal
						5	K.V.V.Kuppam
						6	Vellore
						7	Sathuvachari
						8	Anaicut
						9	Melasannankuppam
						10	Agaram
						11	Oduqathur
						12	Ambur
						13	Melpatti
						14	Gudiyatham (West)
						15	Thuthipattu
						16	Madhanur
34	Viluppuram	1	Mugaiyur	1	Vikkiravandi	1	Kanjanur
		2	Kanai	2	Kandamangalam	2	Nemili
		3	Avanipur	3	Valavanur	3	Olakkur
		4	Villupuram	4	Kiliyanur	4	Sathiyamangalam
		5	Marakanam			5	Gingee
		6	Tindivanam			6	Sathampati
						7	Brammadesam
						8	Siruvadi
						9	Uppuvelur
						10	Vallam
						11	Melmalayanur
						12	Arasur
						13	T.V.Nallur
						14	Anniyur
						15	Avalurpettai
						16	Sithalampattu
						17	Melolakkur
						18	Chithalingamadam
						19	Vadasiruvalur

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
35	Virudhunagar	1	Malli	1	Mangalam	1	Keelarakulamaraman
		2	Iyankollankondan	2	Vachakara-Patti	2	Nathampatti
		3	Srivilliputtur	3	Alangulam	3	Vembakottai
		4	Rajapalayam	4	Mallankinar	4	Pillaiyarkulam
		5	Salwarpatti	5	Amathur	5	Cholapuram
		6	Ondipulinaickanur				
		7	Watrap				
		8	Elayiram- Pannai				
		9	Sivakasi				
		10	Kottaiyur				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
1166		225		63		435	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TELANGANA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Adilabad	1	Adilabad Urban				
		2	Bheemipoor				
		3	Gudihathnuri				
		4	Inderavelly				
		5	Mavala				
		6	Neradigonda				
		7	Sirikonda				
		8	Talamadugu				
		9	Tamsi				
		10	Utnur				
2	Bhadrachalam	1	Aswaraopeta				
		2	Chunchupally				
		3	Dammam				
		4	Julurpalli				
		5	Kothagudem				
		6	Manuguru				
		7	Sujathanagar				
		8	Yellandu				
3	Hyderabad					1	Amberpet
						2	Ammerpet
						3	Asifnagar
						4	Bahadurpura
						5	Bandlaguda
						6	Charminar
						7	Golkonda
						8	Himayatnagar
						9	Khairatabad
						10	Maredpally
						11	Musheerabad
						12	Nampally
						13	Saidabad
						14	Secunderabad
						15	Shaikpet
						16	Tirumalgi
4	Jagtial	1	Metpalle	1	Medipalle	1	Kathlapur
						2	Kodimial
						3	Malial
5	Jangaon	1	Chilpur	1	Tharigoppula	1	Bachannapeta
		2	Ganpur stn			2	Jangaon
		3	Narmetta			3	Kodakandla
		4	Raghunathpalle			4	Palakurthi
		5	Zaffergadh				
6	Jayashankar	1	Mogullapalle				
		2	Tekumattla				
7	Jogulamba	1	Kaloor Timmanadoddi				
8	Kamareddy	1	Domakonda	1	Bhiknur		
		2	Lingampet	2	Bibipet		
		3	Machareddy				
		4	Rajampet				
		5	Sadasivanagar				
		6	Tadwai				
9	Karimnagar	1	Chigurumamidi	1	Ramadugu		
		2	Gannervaram	2	Gangadhara		
		3	Karimnagar				
		4	V Saidapur				
10	Khammam	1	Kamepalle				
		2	Penuballi				
		3	Raghunadhapalem				
		4	Sathupalle				
		5	Singareni				
		6	Thirumalayapalem				
		7	Vemsoor				
11	Mahabubabad	1	Chinnagudur	1	Danthalapalle		
		2	Garla				
		3	Maripeda				
		4	Narsimhulapet				
		5	Nellikudur				
		6	Peddavangara				
		7	Thorrur				
12	Mahabubnagar	1	Bhoorthpur	1	Balanagar	1	Midjil
		2	Chinna Chintha Kunta				
		3	Devarkadara				
		4	Gandeed				
		5	Hanwada				
		6	Jadcherla				
		7	Koilkonda				
		8	Mahabubnagar Rural				
		9	Mahabubnagar Urban				
		10	Musapet				
		11	Nawabpet				
		12	Rajapur				

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TELANGANA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
13	Medak	1	Chegunta				
		2	Manoharabad				
		3	Medak				
		4	Narsapur				
		5	Narsingi				
		6	Nizampet				
		7	Ramayampet				
		8	Shankarampet R				
		9	Shivampet				
		10	Tupran				
		11	Yeldurthy				
14	Medchal	1	Alwal	1	Bachpalle		
		2	Dundigal Gandimaisamma	2	Balanagar		
		3	Medchel	3	Kukatpally		
				4	Outhbullapur		
15	Nagarkurnool	1	Balmoor	1	Kalwakurthy	1	Charakonda
		2	Bijinapalle	2	Urkonda	2	Veldanda
		3	Lingal	3	Vangoor		
		4	Nagar Kurnool				
		5	Tadoor				
		6	Telkapalle				
		7	Thimmajipeta				
		8	Uppunuthala				
16	Nalgonda	1	Chandampet	1	Chinthapalle		
		2	Chandur	2	Kattangoor		
		3	Chityala	3	Nampalle		
		4	Devarakonda	4	Narketpalle		
		5	Gundlapalle				
		6	Kangal				
		7	Kethepalle				
		8	Marriguda				
		9	Munugode				
		10	Nalgonda				
		11	Neredugommu				
		12	Thipparthi				
17	Narayanpet	1	Dhanwada				
		2	Kosgi				
		3	Marikal				
		4	Narayanpet				
18	Nirmal	1	Lokeswaram				
19	Nizamabad	1	Armur	1	Chandur	1	Mortad
		2	Balkonda	2	Jakranpalle	2	Rudrur
		3	Bheemgal	3	Kammarpalle		
		4	Dharpalle	4	Vailpur		
		5	Dichpalle	5	Varni		
		6	Indalwai				
		7	Mendora				
		8	Mosra				
		9	Mupkal				
		10	Sirkonda				
20	Peddapalle			1	Srirampur		
21	Rajanna	1	Boinpalle	1	Chandurthi	1	Gambhiraopeta
		2	Thangallapalle	2	Ellanthakunta	2	Konaraopeta
				3	Rudrangi	3	Mustabad
						4	Sirsilla
						5	Veernapalle
						6	Vemulawada
						7	Vemulawada Rural
						8	Yellareddypeta
						1	Serilingampally
22	Rangareddy	1	Abdullapurmet	1	Kothur		
		2	Amangal	2	Maheshwaram		
		3	Balapur	3	Nandigam		
		4	Chevella	4	Rajendranagar		
		5	Chowdergudem	5	Saroornagar		
		6	Farooqnagar	6	Shamshabad		
		7	Gandipet	7	Talakondapalle		
		8	Ibrahimpattam				
		9	Kandukur				
		10	Keshampeta				
		11	Kondurg				
		12	Manchal				
		13	Moinabad				
		14	Shankarpalle				
		15	Yacharam				
23	Sangareddy	1	Hathanoora	1	Ameenapur	1	Ramachandrapuram
		2	Jharasangam	2	Patancheru		
		3	Kandi				
		4	Kohir				
		5	Kondapur				
		6	Manoor				
		7	Mogdampalle				

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
TELANGANA							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
		8	Naykal				
		9	Sangareddy				
		10	Zahirabad				
24	Siddipet	1	Bejjanki	1	Husnabad	1	Anthakkapeta
		2	Cheriyal	2	Koheda		
		3	Doultabad				
		4	Dubbak				
		5	Jagadevpur				
		6	Komaravelly				
		7	Kondapak				
		8	Maddur				
		9	Markook				
		10	Mirdoddi				
		11	Mulug				
		12	Rayapole				
		13	Siddipet Rural				
		14	Thoguta				
		15	Wargal				
25	Suryapet	1	Atmakur S	1	Thungathurthi		
		2	Jajireddigudem				
		3	Maddirala				
		4	Mothey				
		5	Nagaram				
		6	Noothankal				
		7	Thirumalagiri				
26	Vikarabad	1	Bantwaram				
		2	Bomraspeta				
		3	Doma				
		4	Doulatabad				
		5	Marpalle				
		6	Mominpet				
		7	Nawabpet				
		8	Peddemul				
27	Warangal Urban	1	Khazipet	1	Elkathurthi	1	Bheemadevarapalle
		2	Khilla Warangal			2	Dharmasagar
		3	Warangal			3	Inole
						4	Velair
28	Yadadri	1	Addagudur	1	Mootakondur	1	Gundala
		2	Alair	2	Narayanapur		
		3	Atmakur M	3	Yadagirigutta		
		4	Bhongiri				
		5	Bommalararam				
		6	Mothkur				
		7	Rajapet				
		8	Turkapalle M				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
589		180		44		44	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
UTTAR PRADESH							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Agra	1	Jagner	1	Achhnera	1	Agra City
		2	Jaitpur Kalan	2	Bah	2	Akola
		3	Kheragarh			3	Barauli Ahir
						4	Bichpuri
						5	Etmadpur
						6	Fatehabad
						7	Fatehpur Sikri
						8	Khandauli
						9	Saiyana
						10	Shamsabad
2	Aligarh	1	Chandaus	1	Iglas	1	Aligarh City
		2	Gangiri				
		3	Jawa Sikandairpur				
		4	Khair				
		5	Lodha				
3	Ambedkar Nagar	1	Jalalpur				
4	Amethi	1	Sangrampur				
5	Amroha	1	Amroha	1	Dhanaura	1	Joya
		2	Gangeshwari	2	Gajraula		
				3	Hasanpur		
6	Ayodhya	1	Bikapur				
		2	Milkipur				
7	Azamgarh	1	Ahiraula				
		2	Atraulia				
		3	Koilsa				
		4	Palhana				
		5	Palhani				
		6	Sathiyao				
		7	Tarwa				
8	Baghpat	1	Baraut	1	Baghpat	1	Binauli
		2	Chhaprauli			2	Khekra
						3	Pilana
9	Banda	1	Baberu				
		2	Jaspura				
		3	Naraini				
		4	Tindwari				
10	Bareilly	1	Alampur Jafarabad			1	Bareilly City
		2	Fatehgani				
		3	Majhgawa				
		4	Ramnagar				
12	Bijnaur	1	Kotwali	1	Jaleelpur		
		2	Nehtaur (Aaku)				
		3	Noorpur				
		4	Seohara (Budhanpur)				
13	Budaun	1	Bisauli			1	Ambiapur
		2	Jagat			2	Asafpur
		3	Miaon			3	Islamnagar
		4	Quadar Chowk				
		5	Sahaswan				
		6	Salarpur				
		7	Ujhani				
14	Bulandshahar	1	Anup Shahar	1	Arnia Khurd	1	Bhawan Bahadur Nagar
		2	Jahangirabad	2	Khurja	2	Bulandshahar
		3	Lakhaothi	3	Shikarpur	3	Danpur
		4	Pahasu	4	Unchagaon	4	Gulaothi
						5	Siana
						6	Sikandrabad
15	Chitrakoot	1	Mau	1	Karwi		
		2	Pahari				
		3	Ramnagar				
17	Etah	1	Jaithara	1	Aliganj		
		2	Nidhauli Kalan	2	Jalesar		
		3	Sakit				
		4	Shitalpur				
18	Farrukhabad	1	Barhpur				
		2	Kamalganj				
		3	Mohamadabad				
		4	Nawabganj				
19	Fatehpur	1	Airaya	1	Amauli	1	Bhitura
		2	Khajua				
		3	Malawan				
		4	Telyani				
20	Firozabad	1	Eka	1	Aron	1	Firozabad
		2	Jasrana			2	Hathwant
		3	Madanpur			3	Narkhi
						4	Shikohabad
						5	Tundla
21	G.B.Nagar	1	Dadri	1	Dankaur	1	Bisrakh
				2	Jewar		
22	Ghaziabad	1	Muradnagar			1	Bhojpur
						2	Loni
						3	Razapur
						4	Ghaziabad City
23	Ghazipur	1	Saidpur				

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
UTTAR PRADESH							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
24	Hamirpur	1	Gohand				
		2	Rath				
		3	Sarila				
		4	Sumerpur				
25	Hapur	1	Dholana	1	Hapur	1	Garh
				2	Simbholi		
26	Hardoi	1	Todarpur				
27	Hathras	1	Sadabad	1	Hathras	1	Mursan
				2	Sikandra Rao	2	Sahpau
						3	Sasni
28	Jaunpur	1	Baksha	1	Badlapur		
		2	Barsathi	2	Maharajganj		
		3	Dharmapur				
		4	Karanja Kalan				
		5	Kerakat				
		6	Muftiganj				
		7	Sikrara				
		8	Sirkoni				
29	Jhansi	1	Babina				
		2	Bangra				
		3	Baragaon				
		4	Mauranipur				
30	Kannauj	1	Chhibramau			1	Jalalabad
		2	Gograpur			2	Talgram
		3	Kannauj				
31	Kanpur Dehat	1	Akbarpur				
		2	Derapur				
		3	Jhinhak				
		4	Maitha				
		5	Malsa				
		6	Rasulabad				
		7	Sarwan Khera				
32	Kanpur Nagar	1	Bidhnu	1	Kanpur City		
		2	Bilhaur	2	Chaubepur		
		3	Ghatampur				
		4	Patara				
		5	Sarsol				
		6	Shivrajapur				
33	Kasganj	1	Kasganj	1	Ganjdundwara		
		2	Patiyali				
		3	Sahawar				
34	Kaushambi	1	Kara			1	Chail
		2	Manjhanpur			2	Muratganj
		3	Newada				
		4	Sirathu				
35	Lalitpur	1	Bar				
		2	Birdha				
		3	Jakhora				
		4	Madaora				
		5	Mahroni				
		6	Talbehat				
36	Mahoba	1	Charkhari			1	Jaitpur
		2	Kabrai			2	Panwari
37	Mainpuri	1	Jagir			1	Barnahal
		2	Kurawali				
		3	Mainpuri				
38	Mathura	1	Farah	1	Baldeo	1	Nohjhil
						2	Raya
39	Meerut	1	Hastinapur	1	Kharkhoda	1	Meerut City
		2	Mawana Kalan	2	Machhra		
		3	Meerut	3	Rajpura		
		4	Parichhatgarh				
40	Mirzapur	1	Chanbey	1	Majhawan	1	Kon
		2	City	2	Sikhar		
41	Moradabad	1	Bhagatpur Tanda	1	Bilari	1	Moradabad City
		2	Chhajlet				
		3	Dilari				
		4	Kundarki (Dengapur)				
		5	Moradabad				
		6	Mundapandey				
42	Muzaffarnagar	1	Charthawal	1	Budhana	1	Bhaghara
		2	Muzaffarnagar				
		3	Shahpur				
43	Pratapgarh	1	Aspur Deosara	1	Mandhata		
		2	Baba Belkhar Nath Dh	2	Sadar		
		3	Gaura	3	Sandwa Chandika		
		4	Lakshamanpur	4	Shivgarh		
		5	Lalganj				
		6	Mangaraura				
		7	Patti				
		8	Rampur- Sangramgarg				
44	Rampur	1	Said Nagar	1	Chamrauwa		
		2	Saur				
		3	Shahabad				
45	S.Ravidas Nagar	1	Abhauli				
		2	Aurai				
		3	Bhadohi				

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
UTTAR PRADESH							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
		4	Deegh				
		5	Gyanpur				
		6	Suriyawan				
46	Saharanpur	1	Ballia Kheri	1	Sadhauli Kadeem	1	Gangoh
		2	Deoband			2	Nagal
		3	Muzaffarabad			3	Nakur
		4	Nanauta			4	Sarsawa
		5	Rampur Maniharan				
47	Shamhal	1	Asmoli	1	Bahjoi		
		2	Janawai	2	Baniakhera		
				3	Gunnaur		
				4	Pawansa		
				5	Sambhal		
48	Shamli	1	Thana Bhawan			1	Kairana
						2	Kandhala
						3	Shamli
						4	Un
49	Sonbhadra	1	Dudhi				
		2	Nagawa				
50	Varanasi	1	Baragaon			1	Araziline
		2	Chiragaon			2	Harahua
		3	Kashi Vidyapith			3	Varanasi City
		4	Pindra				
		5	Sevapuri				
51	Prayagraj	1	Bahadurpur	1	Baharia	1	Prayagraj City
		2	Dhanupur	2	Chaka		
		3	Holagarh				
		4	Mauaima				
		5	Pratappur				
		6	Saidabad				
52	Lucknow					1	Lucknow City
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
830		174		49		66	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
UTTARAKHAND							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Haridwar	1	Bhagwanpur				
		2	Bahadradab				
2	Udham singh Nagar	1	Kashipur				
3	Nainital	1	Haldwani				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
18		4		Nil		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2013							
WEST BENGAL							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Malda	1	Habibpur				
2	Murshidabad	1	Barwan				
		2	Bhagabangola-I				
		3	Bhagabangola-II				
		4	Bharatpur-I				
		5	Bharatpur-II				
		6	Domkal				
		7	Jalangi				
		8	Kandi				
		9	Khargram				
		10	Lalgola				
		11	Mur-Jiaganj				
		12	Nabagram				
		13	Nowda				
		14	Raninagar-I				
		15	Raninagar-II				
		16	Sagardighi				
		17	Suti-II				
3	Nadia	1	Chapra				
		2	Hanskhali				
		3	Kaligunj				
		4	Karimpur-I				
		5	Karimpur-II				
		6	Krishnaganj				
		7	Krishnagar-I				
		8	Nakashipara				
		9	Ranaghat-II				
		10	Tehatta-I				
		11	Tehatta-II				
4	North 24-Parganas	1	Barrackpore-II				
5	Hooghly	1	Arambag	1	Goghat-II		
		2	Chanditala-I				
		3	Chanditala-II				
		4	Dhaniakhali				
		5	Goghat-I				
		6	Jangipara				
		7	Khanakul-I				
		8	Pandua				
		9	Polba-Dadpur				
		10	Purshura				
		11	Singur				
		12	Tarakeswar				
6	Burdwan	1	Bhatar				
		2	Kalna-II				
		3	Katwa-I				
		4	Katwa-II				
		5	Ketugram-I				
		6	Ketugram-II				
		7	Memari-II				
		8	Mongalkote				
		9	Monteswar				
		10	Raina-I				
		11	Raina-II				
7	Birbhum	1	Labhpur				
		2	Murarai-II				
		3	Nalhati-II				
		4	Nanoor				
		5	Rampurhat-II				
		6	Sainthia				
8	Bankura	1	Bishnupur				
9	Purba Medinipore	1	Bhagawanpur-I				
		2	Bhagawanpur-II				
		3	Egra-I				
		4	Egra-II				
		5	Kolaghat (Panskura-II)				
		6	Moyna				
		7	Panskura-I				
		8	Potashpur-I				
		9	Potashpur-II				
10	Paschim Medinipore	1	Chandrakona-II				
		2	Dantan-II				
		3	Daspur-II				
		4	Debra				
		5	Ghatal				
		6	Pingla				
		7	Sabang				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
268		76		1		Nil	
Note-For West Bengal,2013 is used as the 2020 Resources of the State was not approved by CLEG, 2020.							

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
CHANDIGARH							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Chandigarh	1	Chandigarh				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
1		1		Nil		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
DAMAN & DIU							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Daman					1	Daman
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
2		Nil		Nil		1	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
LAKSHADWEEP							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Units	S. No	Name of Critical Assessment Units	S. No	Name of Over-Exploited Assessment Units
1	Amini	1	Amini				
2	Kavratti	2	Kavratti				
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
9		2		Nil		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

CATEGORIZATION of ASSESSMENT UNITS, 2020							
PUDUCHERRY							
S. No	Name of District	S. No	Name of Semi-Critical Assessment Unit	S. No	Name of Critical Assessment Unit	S. No	Name of Over-Exploited Assessment Unit
1	Puducherry			1	Puducherry		
ABSTRACT							
Total No. of Assessed Units		Number of Semicritical Assessment Units		Number of Critical Assessment Units		Number of Over Exploited Assessment Units	
4		Nil		1		Nil	

ANNEXURE - IV(B)**Quality Problems in Assessment Units
(as in 2020)****NOTE:**

Only Assessment Units where the Quality Tag of As, F & Salinity have been reported are provided against respective districts and states.

The Assessment Units with "C", indicates the phreatic aquifer in the assessment unit is almost/ completely brackish /saline

The Quality Tag In Respect of As & F indicates Sporadic Occurrences.

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
ANDHRA PRADESH							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	East Godavari					1	Kajuluru (C)
						2	Allavaram (C)
						3	Karapa (C)
						4	Thallarevu (C)
						5	Uppalaguptam (C)
						6	Sakhinetipalle (C)
						7	Katrenikona (C)
						8	I Polavaram (C)
2	Guntur					1	Pedanandipadu (C)
						2	Vatticherukuru (C)
						1	Duggirala
						2	Nagaram
						3	Chebrole
						4	Amruthalur
						5	Nadendla
						6	Bapatla
						7	Nizampatnam
						8	Karlapalem
						9	Kakumanu
						10	Prathipadu
						11	Tenali
						12	Amaravathi
						13	Sattenapalle
						14	Pedakakani
						15	Vinukonda
						16	Thullur
						17	Chilakaluripet
						18	Edlapadu
						19	Tadikonda
						20	Ponnur
						21	Repalle
						22	Medikonduru
						23	Phirangipuram
						24	Tsundur
						25	Pittalavanipalem
						26	Guntur
3	Krishna					1	Gudur (Krishna) (C)
						2	Pedana (C)
						3	Kalidindi (C)
						4	Mandavalli (C)
						5	Gudlavalleru (C)
						6	Nandivada (C)
						7	Nagayalanka (C)
						8	Bantumilli (C)
						9	Kaikalur (C)
						10	Kruthivennu (C)
						11	Mudinapalle (C)
						12	Koduru (C)
						13	Machilipatnam (C)
4	Nellore					1	Tada
						2	Chittamur
5	Prakasam					1	Karamchedu (C)
						1	Addanki
						2	Naguluppalapadu
						3	Parchur
						4	Mundlamuru
						5	Darsi
						6	Tangutur
						7	Yeddanapudi
						8	Kothapatnam
						9	Inkollu
						10	Maddipadu
						11	Ongole
						12	Janakavarampangulu
						13	Santhanuthlapadu

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
ANDHRA PRADESH							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
6	West Godavari					1	Kalla (C)
						2	Akiveedu (C)
						3	Mogalthur (C)
						4	Veeravasaram (C)
						5	Undi (C)
						6	Poduru (C)
						7	Ganapavaram (C)
						8	Narasapuram (C)
						9	Palacole (C)
						10	Pentapadu (C)
						11	Bheemavaram (C)
						12	Nidamaru (C)
						13	Palakoderu (C)
						14	Yelamanchili (C)
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
667		Nil		Nil		79, 38 (Completely Saline)	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
ASSAM							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Baksa	1	Dhubri	1	Cachar		
2	Barpeta	1	Goalpara	1	Darrang		
3	Bongaigaon	1	Golaghat	1	Dhemaji		
4	Cachar	1	Jorhat	1	Dhubri		
5	Chirang	1	Kamrup Metro Rural	1	Goalpara		
6	Darrang	1	Kamrup Metro Urban	1	Golaghat		
7	Dhemaji	1	Kamrup	1	Hailakandi		
8	Dhubri	1	Karbi Anglong	1	Jorhat		
9	Dibrugarh	1	Karimganj	1	Kamrup Metro Rural		
10	Dima Hasao	1	Nagaon	1	Kamrup		
11	Goalpara	1	Nalbari	1	Karimganj		
12	Golaghat	1	Udalguri	1	Kokrajhar		
13	Hailakandi			1	Lakhimpur		
14	Jorhat			1	Morigaon		
15	Kamrup			1	Nagaon		
16	Kamrup Metro Rural			1	Nalbari		
17	Kamrup Metro Urban			1	Sivasagar		
18	Karbi Anglong			1	Sonitpur		
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
28		12		18		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
BIHAR							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Aurangabad	1	Aurangabad				
		2	Barun				
		3	Deo				
		4	Goh				
		5	Haspura				
		6	Kutumba				
		7	Madanpur				
		8	Nabinagar				
		9	Obra				
		10	Rafiganj				
2	Banka	1	Amarpur				
		2	Banka				
		3	Barahat				
		4	Bausi				
		5	Belhar				
		6	Charian				
		7	Dhuraiya				
		8	Katoria				
		9	Phuldumar				
		10	Rajon				
		11	Shambhuganj				
3	Begusarai			1	Bachhwara		
				2	Balia		
				3	Barauni		
				4	Begusarai		
				5	Mathani		
				6	Navkothi		
				7	Sahebpur Kamal		
4	Bhagalpur	1	Goradih	1	Jagdishpur		
		2	Jagdishpur	2	Kahalgaon		
		3	Kahalgaon	3	Nathnagar		
		4	Kharik	4	Piroainti		
		5	Narayanpur	5	Sabour		
		6	Nathnagar	6	Sultanganj		
		7	Naugachhia				
		8	Piroainti				
		9	Sabour				
		10	Sanhaua				
		11	Sultanganj				
5	Bhojpur			1	Arrah		
				2	Barahara		
				3	Bihyan		
				4	Koilwar		
				5	Shahpur		
				6	Udwantnagar		
6	Buxar			1	Brahampur		
				2	Buxar		
				3	Chakki		
				4	Simri		
7	Darbhangha			1	Baheri		
				2	Biraul		
8	Gaya	1	Amas				
		2	Atri				
		3	Bankebazar				
		4	Barachatti				
		5	Belaganj				
		6	Bodhgaya				
		7	Dobhi				
		8	Dumaria				
		9	Fatehpur				
		10	Gaya				
		11	Guraru				
		12	Gurua				
		13	Imanganj				
		14	Khizirsarai				
		15	Konch				
		16	Manpur				
		17	Mohanpur				
		18	Muhra				
		19	Neemchak				
		20	Pariaya				
		21	Sherghati				
		22	Tankuppa				

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
BIHAR							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
		23	Tikari				
		24	Wazirganj				
9	Jamui	1	Aliganj				
		2	Barhat				
		3	Chakai				
		4	Gidhaur				
		5	Jamui				
		6	Jhajha				
		7	Khairi				
		8	Lakshmipur				
		9	Sikandra				
		10	Sono				
10	Jehanabad	1	Hulhasganj				
		2	Jehanabad				
		3	Ratni Faridpur				
11	Kaimur	1	Bhabhua				
		2	Bhagwanpur				
		3	Chainpur				
		4	Chand				
		5	Durgawati				
		6	Kudra				
		7	Mohania				
		8	Nuaon				
		9	Ramgarh				
		10	Rampur				
12	Katihar			1	Amdabad		
				2	Balrampur		
				3	Kursela		
				4	Manihari		
				5	Manshi		
				6	Samoli		
13	Khagaria			1	Gogri		
				2	Khagaria		
				3	Mansi		
				4	Parbatta		
14	Kishanganj			1	Bahadurganj		
				2	Kishanganj		
15	Lakhisarai	1	Ramgarh Chowk	1	Barahiya		
				2	Lakhisarai		
				3	Piparia		
				4	Surajgarha		
16	Munger	1	Asarganj	1	Bariarpur		
		2	Bariarpur	2	Dharhara		
		3	Dharhara	3	Jamalpur		
		4	Jamalpur	4	Munger		
		5	Karagpur				
		6	Munger				
		7	Sangrampur				
		8	Tarapur				
		9	Tetia Bhambar				
17	Nalanda	1	Asthawan				
		2	Bari				
		3	Bihar Shariff				
		4	Bind				
		5	Chandi				
		6	Eknagarsari				
		7	Giriak				
		8	Harnaut				
		9	Hilsa				
		10	Islampur				
		11	Karaiiparsurai				
		12	Kathsarai				
		13	Nagar Nausa				
		14	Noorsarai				
		15	Prabalpur				
		16	Rahul				
		17	Raigir				
		18	Sarmara				
		19	Silao				
		20	Tharthari				
18	Nawada	1	Akbarpur				
		2	Gobindpur				
		3	Hisua				
		4	Kashi Chak				
		5	Kawakol				
		6	Maskaur				
		7	Nardiganj				
		8	Narhat				
		9	Nawada				
		10	Pakribarwan				
		11	Rajauli				
		12	Roh				
		13	Sirdauli				
		14	Warisaliganj				

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
BIHAR							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
19	Patna			1	Bakhtiarpur		
				2	Barh		
				3	Danapur/Khagaul		
				4	Maner		
20	Purnia			1	Kasba		
				2	Purnia East		
21	Rohats	1	Akorhi Gota				
		2	Bikramganj				
		3	Chenari				
		4	Dawath				
		5	Dehri				
		6	Dinara				
		7	Karakat				
		8	Karghar				
		9	Narsiganj				
		10	Nokha				
		11	Sanjhauli				
		12	Sheosagar				
22	Samastipur			1	Mohanpur		
				2	Mohiuddinnagar		
				3	Patori		
				4	Vidyapatnagar		
31	Saran			1	Chapra		
				2	Dighwara		
				3	Ravelganj		
				4	Sonepur		
32	Sheikhpura	1	Ariari				
		2	Barbhiga				
		3	Charware				
		4	Ghat Kusumba				
		5	Sheikhpura				
		6	Shekhopur Sarai				
37	Vaishali			1	Bidupur		
				2	Dehri		
				3	Hajipur		
				4	Raghopur		
				5	Sahdal Buzurg		
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
534		141		64		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
CHHATISGARH							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Dhamtari	1	Kurud				
2	Gariyaband	1	Chhura				
		2	Deobhog				
		3	Mainpur				
3	Jashpur	1	Kunkuri				
		2	Pathalgaon				
		3	Pharsabahal				
4	Kanker	1	Kanker				
5	Korba	1	Katghora				
		2	Korba				
		3	Pali				
6	Koriya	1	Manendragarh				
7	Mahasamund	1	Bagbahera				
		2	Mahasamund				
		3	Pithora				
8	Raigarh	1	Dharamjaigarh				
		2	Sarangarh				
		3	Tamnar				
9	Rajnandgaon			1	Ambagarh Chowki		
10	Surajpur	1	Pratappur				
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
146		19		1		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
DELHI							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	New Delhi					1	Delhi Cantonment
						2	Vasant Vihar
2	North	1	Alipur			1	Alipur
						2	Model Town
						3	Narela
3	North West	1	Saraswati Vihar			1	Kanjhawala
						2	Saraswati Vihar
4	South West					1	Dwarka
						2	Kapashera
						3	Najafgarh
5	West					1	Patel Nagar
						2	Punjabi Bagh
						3	Rajouri Garden
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
34		2		Nil		13	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
GUJARAT							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Aravalli	1	Bayad				
		2	Bhiloda				
		3	Dhansura				
		4	Malpur				
		5	Meghraj				
		6	Modasa				
2	Banaskantha	1	Amirgadh			1	Bhabhar (C)
		2	Bhabhar			2	Suigam (C)
		3	Danta			3	Vav (C)
		4	Dantiwada				
		5	Deesa				
		6	Dhanera				
		7	Kankrej				
		8	Palanpur				
		9	Tharad				
		10	Vadgam				
		11	Vav				
3	Gandhinagar	1	Mansa				
4	Mehsana	1	Becharaji				
		2	Kadi				
		3	Kheralu				
		4	Mehsana				
		5	Satlasana				
		6	Unjha				
		7	Vadnagar				
		8	Vijapur				
		9	Visnagar				
5	Patan	1	Chanasma			1	Harij (C)
		2	Harij			2	Radhanpur (C)
		3	Patan			3	Sami (C)
		4	Radhanpur			4	Sankheswar (C)
		5	Sami			5	Santalpur (C)
		6	Shankheshvar				
6	Sabarkantha	1	Himatnagar				
		2	Idar				
		3	Khedbrahma				
		4	Talod				
		5	Vadali				
7	Kachchh	1	Mundra			1	Gandhidham (C)
		2	Abdasa				
		3	Nakhatrana				
8	Rajkot	1	Tankara				
		2	Gondal				
9	Amreli	1	Rajula				
		2	Dhari				
10	Bhavnagar	1	Vallabhipur				
		2	Mahuva				
		3	Talaja				
11	Dev Bhumi Dwaraka	1	Okhamandal				
		2	Kalyanpur				
12	Gir Somnath	1	Kodinar				
13	Ahmedabad	1	Bavla			1	Dhandhuka (C)
		2	Dholka			2	Dholera (C)
		3	Sanand				
14	Botad	1	Barwala				
		2	Ranpur				
15	Kheda	1	Kathlal				
16	Mahisagar	1	Santrampur				
		2	Virpur				
17	Navsari	1	Gandevi				
18	Surat	1	Mandvi				
		2	Palsana				
19	Surendranagar	1	Chuda			1	Lakhtar (C)
		2	Dasada				
		3	Lakhtar				
		4	Limdi				
		5	Muli				
20	Morbi					1	Maliya (C)
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
248		67		Nil		13 (Completely Saline)	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
HARYANA							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Bhiwani	1	Bawani Khera			1	Bawani Khera
		2	Bhiwani			2	Kairu
		3	Siwani			3	Bhiwani
		4	Tosham			4	Siwani
						5	Tosham
2	Charkhi Dadri	1	Charkhi Dadri			1	Jhohju
		2	Tohana			2	Charkhi Dadri
3	Faridabad					1	Ballabgarh
						2	Faridabad
4	Fatehabad	1	Fatehabad			1	Fatehabad
5	Gurgaon					1	Farrukh Nagar
						2	Gurgaon
						3	Pataudi
						4	Sohna
6	Hisar	1	Adampur			1	Adampur
		2	Agroha			2	Agroha
		3	Barwala			3	Barwala
		4	Hansi			4	Hansi
		5	Hisar-I			5	Hisar-I
		6	Uklana			6	Uklana
						7	Narnaund
7	Jhajjar	1	Bahadurgarh			1	Salhawwas
		2	Beri			2	Bahadurgarh
		3	Matannail			3	Beri
						4	Matannail
8	Jind	1	Julana			1	Jind
		2	Pillukhera			2	Narwana
		3	Safidon			3	Uchana
		4	Narwana				
		5	Uchana				
9	Kaithal	1	Rajound			1	Guhla
						2	Kaithal
						3	Kalayath
10	Mahendragarh					1	Kanina
						2	Mahendragarh
						3	Narnaul
11	Mewat					1	Ferozepur Jhirka
						2	Nagina
						3	Nuh
						4	Punahana
12	Palwal					1	Hathin
						2	Hodal
						3	Palwal
13	Rewari					1	Bawal
						2	Nahar
						3	Rewari
14	Panipat	1	Panipat			1	Israna
		2	Samalkha				
		3	Israna				
15	Rohtak	1	Kalanaur			1	Maham
		2	Rohtak			2	Rohtak
16	Sirsa	1	Dabwali			1	Dabwali
		2	Ellenabad			2	Ellenabad
		3	Nathusari Chopta			3	Nathusari Chopta
		4	Sirsa			4	Odhan
		5	Odhan			5	Baragudha
						6	Rania
17	Sonipat	1	Gohana			1	Gohana
		2	Mundlana			2	Mundlana
						3	Ganaur
						4	Kathura
						5	Rai
						6	Sonipat
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
141		34		Nil		59	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
JHARKHAND							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Bokaro	1	Chas			1	
		2	Chandankyari				
		3	Peterbar				
2	Dhanbad	1	Baliapur				
		2	Dhanbad				
3	Garhwa	1	Bhandaria				
		2	Bhawanathpur				
		3	Chinia				
		4	Dandai				
		5	Dhurki				
		6	Garhwa				
		7	Kandi				
		8	Majhiaon				
		9	Meral				
		10	Ramkanda				
		11	Ramna				
		12	Ranka				
		13	Untari				
4	Giridih	1	Giridih				
		2	Tisri				
5	Godda	1	Boarijor				
		2	Godda				
		3	Mahagama				
		4	Pathargama				
		5	Poreyahat				
6	Gumla	1	Bishunpur				
		2	Chainpur				
		3	Dumri				
		4	Ghaghra				
		5	Gumla				
		6	Sisai				
7	Khunti	1	Karra				
		2	Murhu				
8	Koderma	1	Chandwara				
		2	Jainagar				
		3	Koderma				
		4	Markachho				
		5	Satgawan				
9	Pakur	1	Amrapara				
		2	Litipara				
		3	Pakuria				
10	Palamau	1	Bishrampur				
		2	Chainpur				
		3	Chhatarpur				
		4	Daltonganj				
		5	Hariharganj				
		6	Leslieganj				
		7	Manatu				
		8	Pandu				
		9	Panki				
		10	Patan				
		11	Satbarwa				
11	Ranchi	1	Namkum				
		2	Ormanjhi				
		3	Silli				
12	Sahebganj	1	Barhait	1	Rajmahal		
		2	Borio	2	Sahebganj		
		3	Rajmahal	3	Udhua		
		4	Sahebganj				
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
259		59		3		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
KERALA							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Alappuzha	1	Aryad				
2	Palakkad	1	Chittur				
		2	Kollengode				
		3	Malampuzha				
		4	Palakkad				
3	Thrissur					1	Thalikkulam
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
152		5		Nil		1	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
MAHARASHTRA							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Ahmednagar					1	Nagar
						2	Newasa
						3	Parner
						4	Rahuri
						5	Shrigonda
2	Akola					1	Akola
						2	Akot
						3	Balapur
						4	Mutizapur
						5	Telhara
3	Amravati					1	Achalpur
						2	Amravati
						3	Anjangaon Surji
						4	Bhatkuli
						5	Chandur Bazar
						6	Daryapur (C)
4	Buldhana					1	Jalgaon
						2	Nandura
						3	Sangrampur
						4	Shegaon
5	Pune					1	Baramati
						2	Daund
						3	Indapur
						4	Purandhar
6	Sangli					1	Miraj
						2	Palus
						3	Shirala
						4	Tasgaon
						5	Walwa
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
353		Nil		Nil		29, 1(Completely Saline)	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
NAGALAND							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Dimapur	1	Dimapur	1		1	
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
11		1		Nil		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
ODISHA							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Balasore					1	Bahanaga
						2	Balasore
						3	Baliapal
						4	Basta
						5	Bhograi
						6	Remuna
2	Bhadrak					1	Basudevapur
						2	Chandbali (C)
						3	Dhamnagar
						1	Tihidi
3	Ganjam					2	Chhatrapur
						3	Chikiti
						4	Ganjam
						5	Khalikote
						6	Rangeilunda
4	Jagatsinghpur					1	Balikuda
						2	Ersama (C)
						3	Kujanga
						4	Naugaon
5	Jajpur					1	Bari
						2	Binjharapur
						3	Dasarathpur
6	Kendrapara					1	Aul
						2	Derabish
						3	Garadpur
						4	Kendrapara
						5	Mahakalpada(C)
						6	Marshaghai (C)
						7	Pattamundai
						8	Rajkanika (C)
						9	Rainagar (C)
7	Puri					1	Astarang
						2	Brahmagiri
						3	Delang
						4	Gop
						5	Kakatpur
						6	Kanas
						7	Krushnaprasad
						8	Nimapara
						9	Pipili
						10	Puri
						11	Satyabadi
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
314		Nil		Nil		42, 6 (Completely Saline)	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
PUNJAB							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Amritsar			1	Ajnala		
2	Bathinda	1	Maur	1	Rampura	1	Bathinda
		2	Nathana			2	Talwandi Saboo
		3	Phul				
		4	Rampura				
3	Faridkot	1	Faridkot			1	Faridkot
		2	Kotkapura			2	Kotkapura
4	Fazilka	1	Abohar	1	Fazilka	1	Abohar
		2	Fazilka	2	Jalalabad	2	Jalalabad
		3	Jalalabad			3	Khuiyan Sarwar
5	Gurdaspur			1	Dera Baba Nanak		
				2	Gurdaspur		
				3	Sri Hargobindpur		
6	Hoshiarpur			1	Mukerian		
				2	Hoshiarpur-II		
7	Jalandhar	1	Phillaur				
8	Kapurthala			1	Sultanpur Lodhi		
9	Ludhiana	1	Doraha				
10	Mansa	2	Jhunir			1	Jhunir
						2	Sardulgarh
11	Moga	1	Moga I				
12	Muktsar	2	Malout			1	Malout
						2	Muktsar
18	Patiala	1	Rajpura	1	Samana	1	Rajpura
		2	Bhunerheri			2	Ghanaur
13	S.A.S Nagar	1	Dera Bassi	1	S.A.S Nagar	1	Dera Bassi
14	Tarn Taran	1	Tarn Taran	1	Bhikhiwind		
		2	Valtoha	2	Gandiwind		
		3	Patti	3	Patti		
		4	Gandiwind				
		5	Bhikhiwind				
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
150		22		15		14	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
RAJASTHAN							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Alwar					1	Kathumar
						2	Laxmangarh
2	Barmer					1	Balotra
						2	Barmer
						3	Baytoo
						4	Chohtan
						5	Dhorimanna
						6	Gadraroad
						7	Gira
						8	Gudhamalani
						9	Kalyanpur
						10	Patodi
						11	Ramsar
						12	Samdari
						13	Serwa
						14	Sheo
						15	Sindhari
						16	Siwana
3	Bharatpur					1	Deeg
						2	Kumher
						3	Nadbai
						4	Nagar
						5	Sewar
						6	Weir
4	Bikaner					1	Bikaner
						2	Dungargarh
						3	Khajuwala(C)
						4	Kolayat
						5	Lunkaransar
						6	Panchoo
5	Churu					1	Bidasar
						2	Churu
						3	Rajgarh
						4	Ratangarh
						5	Sardarshahar
						6	Sujargarh
						7	Taranagar(C)
6	Ganganagar					1	Anupgarh
						2	Ganganagar
						3	Ghadsana
						4	Karanpur
						5	Padampur
						6	Raisinghnagar
						7	Sadulshahar
						8	Sri Vijaynagar
						9	Suratgarh
7	Hanumangarh					1	Bhadra
						2	Hanumangarh
						3	Nohar
						4	Pilibanga
						5	Rawatsar(C)
						6	Sangariya
						7	Tibi
8	Jaipur					1	Phagi
9	Jaisalmer					1	Jaisalmer
						2	Sam
						3	Sankra
10	Jalor					1	Ahore
						2	Bhinmal
						3	Chitalwana
						4	Jalore
						5	Sayla
11	Jhunjhun					1	Alsisar
12	Jodhpur					1	Balesar
						2	Bap
						3	Bilara
						4	Luni
						5	Mandor
						6	Shergarh
13	Nagaur					1	Degana
						2	Jayal
						3	Ladnu
						4	Makrana
						5	Merta
						6	Nagaur
						7	Nawa

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
RAJASTHAN							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
14	Pali					1	Jaitaran
						2	Kharchi (Marwar Junc)
						3	Pali
						4	Rani Station
						5	Rohat
						6	Sojat
						7	Sumerpur
15	Sikar					1	Fatehpur
						2	Lachhmangarh
						3	Piprali
16	Tonk					1	Malpura
						2	Tonk
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
295		Nil		Nil		88, 3 (Completely Saline)	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Coimbatore	1	Saravanampatti				
2	Cuddalore	1	Thozhudur				
3	Dharmapuri	1	Bommidu				
		2	Dharmapuri				
		3	Harur				
		4	Indur				
		5	Karimangalam				
		6	Marandahalli				
		7	Morappur				
		8	Nallampalli				
		9	Palacode				
		10	Pappireddipatty				
		11	Pennagaram				
		12	Pulikarai				
		13	Theerthamalai				
4	Dindigul	1	Vatlagundu				
5	Erode	1	Ammappettai				
		2	Sathyamangalam				
		3	Vaniputhur				
6	Kallakurichi	1	Thirukoilur				
7	Karur	1	Chinnadharapuram				
		2	K.Paramathy				
		3	Pugalur				
8	Krishnagiri	1	Bagalur				
		2	Bargur				
		3	Barur				
		4	Hosur				
		5	Kelamangalam				
		6	Krishnagiri				
		7	Mathur				
		8	Pochampalli				
		9	Shoolagiri				
		10	Uthangarai				
		11	Veppanapalli				
9	Madurai	1	Melur				
		2	Neerathan				
		3	Othakkadai				
		4	T.Kallupatti				
		5	Thirumangalam				
10	Namakkal	1	Nallipalayam				
		2	Namakkal				
		3	Paramathi				
11	Nagapattinam					1	Valivalam(C)
						2	Thalainayar(C)
						3	Nagapattinam(C)
						4	Nirmulai(C)
						5	Thillayadi(C)
						6	Thirukannapuram(C)
						7	Thirukkuvalai(C)
						8	Kariyapattinam(C)
						9	Thagatur(C)
						10	Kilvelur(C)
						11	Kangalancheri(C)
						12	Thirumarugal(C)
						13	Keelaiyur(C)
						14	Therkupoigainallur(C)
						15	Thevoor(C)
						16	Vedaranyam(C)
						17	Velanganni(C)
12	Perambalur	1	Varagur				
13	Pudukkottai	1	Karaiyur			1	Perumaruthur(C)
						2	Kottaiappattinam(C)
						3	Sinkavanam(C)
14	Ranipet	1	Ranipet				
15	Ramanathapuram	1	Keelakkarai			1	Thirupullani(C)
						2	Kadaladi(C)
						3	Sikkal(C)
						4	Mangalakudi(C)
						5	Mudukulathur South(C)
						6	Melachelvanur(C)
						7	Thondi(C)
						8	Sayalkudi(C)
						9	S.Tharaikudi(C)
16	Salem	1	Edappadi				
		2	Ernapuram				
		3	Gangavalli				
		4	Kadayampatti				
		5	Karippatti				
		6	Konganapuram				
		7	Mettur				
		8	Salem Town				
		9	Veerapandi				
		10	Vembadithalam				

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
TAMIL NADU							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
17	Sivaganga	1	Kallal				
		2	Pallathur				
		3	Sivagangai				
18	Tenkasi	1	Alankulam				
19	Tirupathur	1	Alangayam				
		2	Andiyappanur				
		3	Tirupathur				
		4	Vaniyambadi				
20	Theni	1	Cumbam				
		2	Devathanapatti				
21	Thiruvallur					1	Minjur(C)
22	Thiruvarur					1	Muthupet(C)
						2	Thiruthuraipoondi(C)
						3	Edaiyur(C)
						4	Alathampadi(C)
23	Tiruchirappalli	1	Trichy West Taluk-Trichy North				
		2	Trichy West Taluk-Trichy South				
24	Tiruppur	1	Avinashipalayam(S)				
		2	Kangeyam				
		3	Mulanur				
		4	Nallur				
		5	Tiruppur (S)				
		6	Vellakoil				
25	Tiruvannamalai	1	Melpallipattu				
26	Viluppuram	1	Arasur				
		2	Avanipur				
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
1166		77		0		34 (Completely Saline)	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
TELANGANA							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Bhadradi	1	Aswapuram				
		2	Burgampadu				
		3	Manuguru				
2	Jagtial	1	Kodimial				
		2	Velgatoor				
3	Jangaon	1	Bachannapet				
		2	Chilpur				
		3	Devaruppula				
		4	Ganpur stn				
4	Jayashankar	1	Mahadevpur				
		2	Mogullapally				
5	Jogulamba	1	Alampur				
6	Kamareddy	1	Banswada				
		2	Bichkunda				
		3	Gandhari				
		4	Jukkal				
		5	Kamareddy				
		6	Machareddy				
		7	Madnoor				
		8	Nasrullabad				
		9	Pd kodaggal				
		10	Ramareddy				
		11	Thadwai				
7	Karimnagar	1	Ramadugu				
		2	Shankarapatnam				
		3	Thimmapur				
		4	V.saidapur				
		5	Veenavanka				
8	Khammam	1	Madhira				
		2	Wyra				
9	Komarambhem	1	Bejjur				
10	Mahabubabad	1	Mahabubabad				
		2	Nellikuduru				
11	Mahabubnagar	1	C.c.kunta				
		2	Dhanwada				
		3	Mahboobnagar(urban)				
		4	Marikal				
		5	Midjil				
		6	Narayanpet				
		7	Utkoor				
12	Mancherla	1	Bellampally				
		2	Chennur				
13	Medak	1	Chegunta				
14	Medchal	1	Alwal				
		2	Balanagar				
		3	Keesara				
		4	Malkajigiri				
		5	Shamirpet				
15	Nagarkurnool	1	Balmoor				
		2	Bijinepally				
		3	Charakonda				
		4	Kalwakurthy				
		5	Nagarkurnool				
		6	Urkonda				
		7	Vangoor				
		8	Veladanda				
16	Peddapalli	1	Eligadu				
		2	Julapalle				
		3	Odela				
		4	Peddapalle				
		5	Srirampur				
		6	Sultanabad				
17	Rangareddy	1	Abdullapurmet				
		2	Chevella				
		3	Hayathnagar				
		4	Manchal				
		5	Talakondapally				
		6	Yacharam				
18	Sangareddy	1	Kandi				
		2	Mogudampally				
		3	Sangareddy				
		4	Zaherabad				
19	Siddipet	1	Cherial				
		2	Chinnakodur				
		3	Mulugu				
		4	Raipole				
20	Warangal Rural	1	Atmakur				
		2	Damera				
		3	Narsampet				
21	Warangal Urban	1	Bheemdevarapally				
		2	Elkathurthy				
		3	Hanamkonda				
		4	Inavolu				

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
TELANAGNA							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
22	Yadadri	1	Addagudur				
		2	Alair				
		3	Bhunvanagiri				
		4	Bibinagar				
		5	Choutuppal				
		6	Mothkur				
		7	Rajapet				
		8	Ramannapet				
		9	Turkapalle m				
		10	Yadagirigutta				
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
589		93		Nil		Nil	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2013							
WEST BENGAL							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Coochbehar			1	Coochbehar-I		
2	Bankura	1	Bankura- II				
		2	Borjora				
		3	Chhatna				
		4	Gangajalghati				
		5	Hirbundi				
		6	Indpur				
		7	Raipur				
		8	Saltora				
		9	Simlapal				
		10	Taldangra				
3	Birbhum	1	Khayrasole				
		2	Mayureswar-I				
		3	Nalhati-I				
		4	Rainagar				
		5	Rampurhat-I				
		6	Sainthia				
		7	Suri-II				
4	Dakshin Dinajpur	1	Bansihari	1	Balurghat		
		2	Gangarampur				
		3	Kumarganj				
		4	Kushmandi				
		5	Tapan				
5	Hooghly			1	Balagarh		
				2	Chanditala-II		
				3	Dhaniakhali		
				4	Goghat-I		
				5	Haripal		
				6	Khanakul-I		
				7	Khanakul-II		
				8	Pandua		
				9	Polba-Dadpur		
				10	Serampur-Uttarpara		
				11	Singur		
6	Malda	1	Bamongola	1	Chanchol-II		
		2	Ratua-II	2	Englishbazar		
				3	Kaliachak-I		
				4	Kaliachak-II		
				5	Kaliachak-III		
				6	Manickchak		
				7	Ratua-I		
				8	Ratua-II		
7	Murshidabad			1	Beldanga-I		
				2	Beldanga-II		
				3	Berhampur		
				4	Bhagabangola-I		
				5	Bhagabangola-II		
				6	Bharatpur-I		
				7	Domkal		
				8	Farraka		
				9	Hariharpara		
				10	Jalangi		
				11	Kandi		
				12	Khargram		
				13	Lalgola		
				14	Mur-Jiaganj		
				15	Nowda		
				16	Raghunathganj-I		
				17	Raghunathganj-II		
				18	Raninagar-I		
				19	Raninagar-II		
				20	Sagarighi		
				21	Samserganj		
				22	Suti-I		
				23	Suti-II		

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2013							
WEST BENGAL							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
8	Nadia			1	Chakdaha		
				2	Chapra		
				3	Hanskhali		
				4	Haringhata		
				5	Kaliguni		
				6	Karimpur-I		
				7	Karimpur-II		
				8	Krishnaganj		
				9	Krishnagar-I		
				10	Krishnagar-II		
				11	Nabadwip		
				12	Nakashipara		
				13	Ranaghat-I		
				14	Ranaghat-II		
				15	Shantipur		
				16	Tehatta-I		
				17	Tehatta-II		
9	North 24-Parganas			1	Amdanga		
				2	Baduria		
				3	Bagdah		
				4	Barasat-I		
				5	Barasat-II		
				6	Barrackpore-I		
				7	Barrackpore-II		
				8	Basirhat-I		
				9	Basirhat-II		
				10	Bongaon		
				11	Deganga		
				12	Gaighata		
				13	Habra-I		
				14	Habra-II		
				15	Haroa		
				16	Rajarhat		
				17	Swarupnagar		
10	Purbo Burdwan			1	Kalna-I		
				2	Kalna-II		
				3	Katwa-I		
				4	Katwa-II		
				5	Purbasthali-I		
				6	Purbasthali-II		
11	Purulia	1	Arsha				
		2	Baghmundi				
		3	Balarampur				
		4	Barabazar				
		5	Hura				
		6	Jhalda-I				
		7	Joypur				
		8	Kashipur				
		9	Manbazar-I				
		10	Neturia				
		11	Para				
		12	Puncha				
		13	Purulia-I				
		14	Purulia-II				
		15	Raghunathpur-I				
		16	Raghunathpur-II				
		17	Santuri				
12	Uttar Dinajpur	1	Itahar	1	Goalpukur-II		
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
268		42		85			
NOTE-For West Bengal,2013 is used as the 2020 Resources of the State was not approved by CLEG, 2020.							

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
ANDAMAN & NICOBAR ISLANDS							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Nicobar					1	Chowra (C)
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
36		Nil		Nil		1 (Completely Saline)	

Dynamic Ground Water Resources Assessment of India - 2020

QUALITY PROBLEMS IN ASSESSMENT UNITS, 2020							
PUDUCHERRY							
S. No	Name of District	S. No	Name of Assessment Units affected by Fluoride	S. No	Name of Assessment Units affected by Arsenic	S. No	Name of Assessment Units affected by Salinity
1	Yanam					1	Yanam (C)
ABSTRACT							
Total Number of Assessed Units		Number of Assessment Units affected by Fluoride		Number of Assessment Units affected by Arsenic		Number of Assessment Units affected by Salinity	
4		Nil		Nil		1 (Completely Saline)	

Annexure - V(A)**State-wise Summary of Assessment units
Improved or deteriorated from 2017 to 2020 assessment**

Dynamic Ground Water Resources Assessment of India - 2020

State-Wise Summary Of Assessmet Units Improved Or Deteriorated From 2017 To 2020 Assessment				
S. No.	Name of States / Union Territories	Number of Assessment Units Improved	Number of Assessment Units Deteriorated	Number of Assessment Units With No Change
1	Andhra Pradesh	94	23	550
2	Arunachal Pradesh	Nil	Nil	11
3	Assam	Nil	Nil	28
4	Bihar	61	9	464
5	Chhattisgarh	2	19	125
6	Delhi	8	3	23
7	Goa	Nil	Nil	12
8	Gujarat	16	22	210
9	Haryana	13	15	113
10	Himachal Pradesh	5	Nil	5
11	Jharkhand	4	8	247
12	Karnataka	7	3	117
13	Kerala	3	1	148
14	Madhya Pradesh	3	16	294
15	Maharashtra	5	3	345
16	Manipur	Nil	Nil	9
17	Meghalaya	Nil	Nil	12
18	Mizoram	Nil	Nil	26
19	Nagaland	Nil	Nil	11
20	Odisha	1	2	311
21	Punjab	5	11	122
22	Rajasthan	10	40	245
23	Sikkim	Nil	Nil	4
24	Tamil Nadu	98	65	1003
25	Telangana	160	90	334
26	Tripura	Nil	Nil	59
27	Uttar Pradesh	77	31	722
28	Uttarakhand	1	0	17
29	West Bengal*			
30	Andaman and Nicobar	Nil	Nil	36
31	Chandigarh	Nil	Nil	1
32	Dadra & Nagar Haveli	Nil	Nil	1
	Daman & Diu	1	1	Nil
33	Jammu and Kashmir	Nil	Nil	20
34	Lakshadweep	1	Nil	8
35	Puducherry	1	Nil	3
36	Ladakh	Nil	Nil	2
	Grand Total	576	362	5638
Note				
*In the State of West Bengal, the Ground Water Resources of 2013 is considered				

Annexure - V(B)**Comparison of Categorization of assessment Units (2017 to 2020)**

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
ANDHRA PRADESH							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Improved			
1	Anantapur	Brahmasamudram	91.35	Critical	Anantapur	Brahmasamudram	66.38
2	Anantapur	Kambadur	98.46	Critical	Anantapur	Kambadur	49.04
3	Anantapur	Obuladevaracheruvu	95.94	Critical	Anantapur	Obuladevaracheruvu	59.49
4	Anantapur	Puttaparthi	98.62	Critical	Anantapur	Puttaparthi	47.18
5	Anantapur	Gorantla	139.69	Over-Exploited	Anantapur	Gorantla	64.35
6	Anantapur	Nallamada	136.79	Over-Exploited	Anantapur	Nallamada	62.85
7	Anantapur	Pargi	172.72	Over-Exploited	Anantapur	Pargi	37.63
8	Anantapur	Seitru	131.13	Over-Exploited	Anantapur	Seitru	65.10
9	Anantapur	Tadipatri	179.48	Over-Exploited	Anantapur	Tadipatri	54.53
10	Anantapur	Anadaur	116.61	Over-Exploited	Anantapur	Anadaur	86.54
11	Anantapur	Chilamathur	125.62	Over-Exploited	Anantapur	Chilamathur	80.38
12	Anantapur	Madakasira	123.90	Over-Exploited	Anantapur	Madakasira	87.25
13	Anantapur	Roddam	124.03	Over-Exploited	Anantapur	Roddam	84.80
14	Anantapur	Amakur	70.33	Semi-Critical	Anantapur	Amakur	61.25
15	Anantapur	Kudair	71.05	Semi-Critical	Anantapur	Kudair	63.74
16	Anantapur	Kundurpi	88.01	Semi-Critical	Anantapur	Kundurpi	63.60
17	Anantapur	Mudigubba	89.95	Semi-Critical	Anantapur	Mudigubba	55.81
18	Anantapur	Tadimarri	76.55	Semi-Critical	Anantapur	Tadimarri	60.06
19	Chittoor	Pakala	90.28	Critical	Chittoor	Pakala	75.16
20	Chittoor	Pedda Panjani	93.36	Critical	Chittoor	Pedda Panjani	74.76
21	Chittoor	Penumuru	96.07	Critical	Chittoor	Penumuru	75.71
22	Chittoor	Pulcherla	94.28	Critical	Chittoor	Pulcherla	73.89
23	Chittoor	Rama Kuppam	92.90	Critical	Chittoor	Rama Kuppam	85.48
24	Chittoor	Ramachandrapuram-17	93.65	Critical	Chittoor	Ramachandrapuram-17	73.44
25	Chittoor	Santhi Puram	93.71	Critical	Chittoor	Santhi Puram	72.96
26	Chittoor	Thavanampalle	90.38	Critical	Chittoor	Thavanampalle	78.01
27	Chittoor	Venkatagiri Kota	99.51	Critical	Chittoor	Venkatagiri Kota	89.49
28	Chittoor	Gudi Palle	119.49	Over-Exploited	Chittoor	Gudi Palle	91.91
29	Chittoor	Nindra	106.27	Over-Exploited	Chittoor	Nindra	92.57
30	Chittoor	Puthalapattu	116.50	Over-Exploited	Chittoor	Puthalapattu	93.62
31	Chittoor	Ramasamudram	141.73	Over-Exploited	Chittoor	Ramasamudram	91.77
32	Chittoor	Tirupati	101.11	Over-Exploited	Chittoor	Tirupati	94.38
33	Chittoor	Chinnagottigallu	73.26	Semi-Critical	Chittoor	Chinnagottigallu	46.30
34	Chittoor	Chittoor Mandal	70.39	Semi-Critical	Chittoor	Chittoor Mandal	61.69
35	Chittoor	Ganadhara Nellore	87.09	Semi-Critical	Chittoor	Ganadhara Nellore	60.03
36	Chittoor	Kalkiri	70.56	Semi-Critical	Chittoor	Kalkiri	40.75
37	Chittoor	Kavetinagar	71.43	Semi-Critical	Chittoor	Kavetinagar	54.08
38	Chittoor	Pileru	80.25	Semi-Critical	Chittoor	Pileru	44.39
39	Chittoor	Punganur	80.50	Semi-Critical	Chittoor	Punganur	58.99
40	Chittoor	Vadanalapeta	70.10	Semi-Critical	Chittoor	Vadanalapeta	33.54
41	East Godavari	Yelawaram	72.84	Semi-Critical	East Godavari	Yelawaram	51.35
42	Guntur	Karempudi	71.87	Semi-Critical	Guntur	Karempudi	41.55
43	Kadapa	Penagaluru	99.43	Critical	Kadapa	Penagaluru	60.62
44	Kadapa	Porumamilla	92.93	Critical	Kadapa	Porumamilla	56.78
45	Kadapa	Rajampet	92.88	Critical	Kadapa	Rajampet	46.51
46	Kadapa	Simhadripuram	91.60	Critical	Kadapa	Simhadripuram	43.20
47	Kadapa	Kamalapuram	114.95	Over-Exploited	Kadapa	Kamalapuram	92.43
48	Kadapa	Sanbepalle	101.13	Over-Exploited	Kadapa	Sanbepalle	93.81
49	Kadapa	Vempalle	125.91	Over-Exploited	Kadapa	Vempalle	92.35
50	Kadapa	Vemula	106.13	Over-Exploited	Kadapa	Vemula	92.65
51	Kadapa	Kodur	126.94	Over-Exploited	Kadapa	Kodur	64.72
52	Kadapa	Lingala	165.69	Over-Exploited	Kadapa	Lingala	66.37
							Improved

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
ANDHRA PRADESH							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Improved			
53	Kadapa	Pullampeta	140.04	Over-Exploited	Kadapa	Pullampeta	46.45
54	Kadapa	Chinnamandem	108.22	Over-Exploited	Kadapa	Chinnamandem	70.42
55	Kadapa	Obulavaripalle	117.95	Over-Exploited	Kadapa	Obulavaripalle	83.37
56	Kadapa	B Kodur	76.51	Semi-Critical	Kadapa	B Kodur	52.81
57	Kadapa	Chinthi Kommadinne	84.30	Semi-Critical	Kadapa	Chinthi Kommadinne	56.97
58	Kadapa	Gopavaram	89.75	Semi-Critical	Kadapa	Gopavaram	62.31
59	Kadapa	Jammalamadugu	77.09	Semi-Critical	Kadapa	Jammalamadugu	57.21
60	Kadapa	Lakkireddipalle	76.57	Semi-Critical	Kadapa	Lakkireddipalle	53.53
61	Kadapa	Ramapuram	71.19	Semi-Critical	Kadapa	Ramapuram	13.12
62	Kadapa	Sidhout	79.32	Semi-Critical	Kadapa	Sidhout	57.51
63	Kadapa	Shi Avadhutha	76.76	Semi-Critical	Kadapa	Shi Avadhutha	19.62
64	Kadapa	Kashayana	72.93	Semi-Critical	Kadapa	Kashayana	41.25
65	Kadapa	Thandur	84.48	Semi-Critical	Kadapa	Thandur	40.56
66	Kadapa	Vallur	78.61	Semi-Critical	Kadapa	Vallur	19.73
67	Krishna	Veerapunayuniapalle	107.85	Over-Exploited	Krishna	Veerapunayuniapalle	76.96
68	Krishna	Musunuru	81.49	Semi-Critical	Krishna	Musunuru	61.43
69	Kurnool	Nuzvid	91.25	Semi-Critical	Kurnool	Nuzvid	75.25
70	Kurnool	Chantalamarri	86.47	Semi-Critical	Kurnool	Chantalamarri	64.36
71	Kurnool	Gonegandla	73.54	Semi-Critical	Kurnool	Gonegandla	35.62
72	Kurnool	Kodumuri	86.14	Semi-Critical	Kurnool	Kodumuri	42.28
73	Kurnool	Nandi Kokkur	74.15	Semi-Critical	Kurnool	Nandi Kokkur	60.96
74	Kurnool	Onakal	86.89	Semi-Critical	Kurnool	Onakal	66.29
75	Prakasam	Peapally	114.79	Over-Exploited	Prakasam	Peapally	36.13
76	Prakasam	Bestavaripeta	190.75	Over-Exploited	Prakasam	Bestavaripeta	80.49
77	Prakasam	Giddalur	77.63	Semi-Critical	Prakasam	Giddalur	51.21
78	Prakasam	Dornala	75.31	Semi-Critical	Prakasam	Dornala	57.90
79	Srikakulam	Yerragondapalem	97.93	Critical	Srikakulam	Yerragondapalem	31.91
80	Srikakulam	Ganguvari Singadam	162.14	Over-Exploited	Srikakulam	Ganguvari Singadam	33.99
81	Srikakulam	Laveru	171.10	Over-Exploited	Srikakulam	Laveru	59.24
82	Srikakulam	Ranastalam	77.45	Semi-Critical	Srikakulam	Ranastalam	46.50
83	Srikakulam	Kaviti	88.15	Semi-Critical	Srikakulam	Kaviti	59.09
84	Srikakulam	Kotabommal	79.50	Semi-Critical	Srikakulam	Kotabommal	24.39
85	Srikakulam	Ponduru	75.03	Semi-Critical	Srikakulam	Ponduru	52.49
86	Visakhapatnam	Rajam	76.19	Semi-Critical	Visakhapatnam	Rajam	52.90
87	West Godavari	Munagapaka	95.19	Critical	West Godavari	Munagapaka	64.84
88	West Godavari	Jangareddigudem	95.35	Critical	West Godavari	Jangareddigudem	61.86
89	West Godavari	Lingapalem	90.27	Critical	West Godavari	Lingapalem	56.32
90	West Godavari	Padavegi	70.50	Semi-Critical	West Godavari	Padavegi	63.70
91	West Godavari	Chintalapudi	81.22	Semi-Critical	West Godavari	Chintalapudi	54.45
92	West Godavari	Dwaraka Tirumala	81.06	Semi-Critical	West Godavari	Dwaraka Tirumala	53.37
93	West Godavari	Koyyalagudem	84.21	Semi-Critical	West Godavari	Koyyalagudem	67.54
94	West Godavari	T Narasapuram	71.75	Semi-Critical	West Godavari	T Narasapuram	39.00
		Tadepalligudem				Tadepalligudem	

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
ANDHRA PRADESH							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Deteriorated			
1	Anantapur	Nallacheruvu	97.25	Critical	Anantapur	Nallacheruvu	111.85
2	Anantapur	Nambulipulikunta	67.14	Safe	Anantapur	Nambulipulikunta	97.55
3	Anantapur	Lepakshi	82.90	Semi-Critical	Anantapur	Lepakshi	114.56
4	Anantapur	Somandepalle	88.08	Semi-Critical	Anantapur	Somandepalle	102.76
5	Chittoor	Chandragiri	22.98	Safe	Chittoor	Chandragiri	80.39
6	Chittoor	Chowdepalle	67.54	Safe	Chittoor	Chowdepalle	75.30
7	Chittoor	Gangavaram	44.16	Safe	Chittoor	Gangavaram	82.80
8	Chittoor	Kurabalakota	59.91	Safe	Chittoor	Kurabalakota	73.62
9	Chittoor	Nagari	50.62	Safe	Chittoor	Nagari	88.77
10	Chittoor	Nimmanapalle	57.84	Safe	Chittoor	Nimmanapalle	78.52
11	Chittoor	Puttur	55.00	Safe	Chittoor	Puttur	87.37
12	East Godavari	Rajahmundry (Urban)	41.12	Safe	East Godavari	Rajahmundry (Urban)	75.80
13	Guntur	Piduguralla	55.75	Safe	Guntur	Piduguralla	90.89
14	Kadapa	Pulivendla	64.15	Safe	Kadapa	Pulivendla	112.20
15	Kadapa	Chennur	65.00	Safe	Kadapa	Chennur	80.53
16	Kadapa	Proddutur	57.01	Safe	Kadapa	Proddutur	84.99
17	Kadapa	Chapad	79.26	Semi-Critical	Kadapa	Chapad	96.70
18	Kadapa	Chilvel	76.97	Semi-Critical	Kadapa	Chilvel	183.44
19	Kurnool	Kosigi	61.08	Safe	Kurnool	Kosigi	73.06
20	Kurnool	Bethamcherla	76.31	Semi-Critical	Kurnool	Bethamcherla	95.14
21	Nellore	Gudur	61.71	Safe	Nellore	Gudur	72.59
22	Nellore	Naidupeta	83.35	Semi-Critical	Nellore	Naidupeta	92.36
23	Prakasam	Pullacheruvu	60.14	Safe	Prakasam	Pullacheruvu	161.72
							Deteriorated

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
BIHAR							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Improved			
1	Begusarai	Bhagwanpur	96.63	Critical	Begusarai	Bhagwanpur	74.98
2	Begusarai	Khudabandpur	82.36	Semi-Critical	Begusarai	Khudabandpur	64.25
3	Begusarai	Naokothi	96.26	Critical	Begusarai	Naokothi	89.26
4	Bhojpur	Atrah	85.15	Semi-Critical	Bhojpur	Atrah	68.18
5	Bhojpur	Behea	93.70	Critical	Bhojpur	Bihvan	72.27
6	Bhojpur	Koilbar	91.21	Critical	Bhojpur	Koilbar	80.12
7	Bhojpur	Shampur	75.09	Semi-Critical	Bhojpur	Shampur	69.40
8	Buxar	Chaugai	77.90	Semi-Critical	Buxar	Chaugai	56.19
9	East Champaran	Madhuban	88.01	Semi-Critical	East Champaran	Madhuban	55.98
10	Gaya	Bodhgaya	78.81	Semi-Critical	Gaya	Bodhgaya	19.92
11	Gaya	Dumaria	91.45	Critical	Gaya	Dumaria	78.99
12	Gopalganj	Barauli	71.55	Semi-Critical	Gopalganj	Barauli	68.30
13	Gopalganj	Bijapur	112.31	Over-Exploited	Gopalganj	Bijapur	57.06
14	Gopalganj	Bhore	85.87	Semi-Critical	Gopalganj	Bhorey	66.78
15	Gopalganj	Hatwa	84.15	Semi-Critical	Gopalganj	Hatwa	47.46
16	Gopalganj	Kateyan	76.25	Semi-Critical	Gopalganj	Kateya	50.99
17	Gopalganj	Manjha	80.30	Semi-Critical	Gopalganj	Manjha	56.63
18	Gopalganj	Panchdeori	78.39	Semi-Critical	Gopalganj	Panchdeori	49.46
19	Gopalganj	Thave	100.83	Over-Exploited	Gopalganj	Thave	65.47
20	Gopalganj	Uchkagaon	113.54	Over-Exploited	Gopalganj	Uchkagaon	69.13
21	Jehanabad	Kako	91.59	Critical	Jehanabad	Kako	82.37
22	Katihar	Azamaagar	88.43	Semi-Critical	Katihar	Azamaagar	69.21
23	Katihar	Balrampur	72.48	Semi-Critical	Katihar	Balrampur	57.64
24	Katihar	Bansol	76.22	Semi-Critical	Katihar	Bansol	59.47
25	Katihar	Dandkhora	95.49	Critical	Katihar	Dandkhora	76.75
26	Katihar	Kadwa	70.15	Semi-Critical	Katihar	Kadwa	63.41
27	Katihar	Korha	76.15	Semi-Critical	Katihar	Korha	62.04
28	Katihar	Manshi	88.79	Semi-Critical	Katihar	Manshi	67.66
29	Katihar	Pranpur	80.43	Semi-Critical	Katihar	Pranpur	68.10
30	Muzaffarpur	Bochaha	74.84	Semi-Critical	Muzaffarpur	Bochaha	65.45
31	Muzaffarpur	Kurahi	76.74	Semi-Critical	Muzaffarpur	Kurhani	64.75
32	Muzaffarpur	Minapur	71.46	Semi-Critical	Muzaffarpur	Minapur	65.66
33	Muzaffarpur	Moraut (Dholi)	77.67	Semi-Critical	Muzaffarpur	Dholi	62.68
34	Nalanda	Asihawan	93.39	Critical	Nalanda	Asihawan	66.90
35	Nalanda	Ben	79.34	Semi-Critical	Nalanda	Bari	64.22
36	Nalanda	Bind	92.97	Critical	Nalanda	Bind	61.33
37	Nalanda	Harnaut	82.34	Semi-Critical	Nalanda	Harnaut	67.23
38	Nalanda	Karai parsauri	97.69	Critical	Nalanda	Karai parsauri	85.99
39	Nalanda	Rahui	73.61	Semi-Critical	Nalanda	Rahul	69.34
40	Nalanda	Ragir	91.54	Critical	Nalanda	Ragir	69.17
41	Nawada	Roh	74.37	Semi-Critical	Nawada	Roh	52.02
42	Patna	Athmalgola	113.44	Over-Exploited	Patna	Athmalgola	82.23
43	Patna	Khusrupur	74.20	Semi-Critical	Patna	Khusrupur	64.83
44	Patna	Patna Sedar	93.87	Critical	Patna	Patna Sedar	89.92
45	Patna	Phulwansari	100.95	Over-Exploited	Patna	Phulwansari	77.84
46	Patna	Punpun	94.47	Critical	Patna	Punpun	88.21
47	Patna	Sampachak	90.19	Critical	Patna	Sampachak	87.41
48	Purnia	Anaur	82.88	Semi-Critical	Purnia	Anaur	69.48
49	Purnia	Baisi	71.69	Semi-Critical	Purnia	Baisi	68.93
50	Saran	Garakha	82.00	Semi-Critical	Saran	Garkha	66.97
51	Saran	Lahadpur	75.17	Semi-Critical	Saran	Lahadpur	67.37
52	Saran	Manjhi	71.89	Semi-Critical	Saran	Manjhi	65.97
53	Saran	Nagra	91.37	Critical	Saran	Nagra	71.94
							Improved

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
BIHAR							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
54	Siwan	Basanpur	72.25	Semi-Critical	Siwan	Basanpur	55.36
55	Siwan	Guthani	72.70	Semi-Critical	Siwan	Guthani	68.11
56	Siwan	Hussainganj	73.14	Semi-Critical	Siwan	Hussainganj	58.81
57	Siwan	Jeradei	84.13	Semi-Critical	Siwan	Ziradei	62.94
58	Siwan	Siwan	71.63	Semi-Critical	Siwan	Siwan	66.35
59	Vaishali	Bhagwanpur	80.32	Semi-Critical	Vaishali	Bhagwanpur	67.68
60	Vaishali	Patepur	107.89	Over-Exploited	Vaishali	Patepur	97.55
61	Vaishali	Premrai/ Desri	71.94	Semi-Critical	Vaishali	Dehri	65.41
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
BIHAR							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Gaya	Belaganj	73.36	Semi-Critical	Gaya	Belaganj	119.47
2	Jehanabad	Hulhasganj	88.93	Semi-Critical	Jehanabad	Hulhasganj	93.36
3	Lakhisarai	Halsi	54.82	Safe	Lakhisarai	Halsi	82.41
4	Madhepura	Alam nadar	61.07	Safe	Madhepura	Alamnagar	77.35
5	Muzaffarpur	Bandra	67.52	Safe	Muzaffarpur	Bendra	83.60
6	Nalanda	Ekanagarai	62.44	Safe	Nalanda	Eknagarisari	73.65
7	Nawada	Warsaliganj	61.82	Safe	Nawada	Warsaliganj	72.33
8	Patna	Danapur	66.59	Safe	Patna	Danapur/Khagaul	77.75
9	Patna	Naubatpur	67.01	Safe	Patna	Naubatpur	72.00
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
1	Gaya	Belaganj	73.36	Semi-Critical	Gaya	Belaganj	119.47
2	Jehanabad	Hulhasganj	88.93	Semi-Critical	Jehanabad	Hulhasganj	93.36
3	Lakhisarai	Halsi	54.82	Safe	Lakhisarai	Halsi	82.41
4	Madhepura	Alam nadar	61.07	Safe	Madhepura	Alamnagar	77.35
5	Muzaffarpur	Bandra	67.52	Safe	Muzaffarpur	Bendra	83.60
6	Nalanda	Ekanagarai	62.44	Safe	Nalanda	Eknagarisari	73.65
7	Nawada	Warsaliganj	61.82	Safe	Nawada	Warsaliganj	72.33
8	Patna	Danapur	66.59	Safe	Patna	Danapur/Khagaul	77.75
9	Patna	Naubatpur	67.01	Safe	Patna	Naubatpur	72.00

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)						
CHHATISGARH						
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit
				Improved		
1	Bilaspur	Takhatpur	81.02	Semi-Critical	Bilaspur	Takhatpur
2	Rajnandgaon	Rajnandgaon	85.73	Semi-Critical	Rajnandgaon	Rajnandgaon
				COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)		
CHHATISGARH						
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) 2017	Categorization 2017	Name of District	Name of Assessment Unit
				Deteriorated		
1	Balod	Gunderdehi	52.14	Safe	Balod	Gunderdehi
2	Baloda Bazar	Singa	66.81	Safe	Baloda Bazar	Singa
3	Bemetara	Bemetara	71.30	Semi-Critical	Bemetara	Bemetara
4	Bemetara	Berla	86.24	Semi-Critical	Bemetara	Berla
5	Dhamtari	Dhamtiri	74.28	Semi-Critical	Dhamtari	Dhamtiri
6	Dhamtari	Magarlod	36.21	Safe	Dhamtari	Magarlod
7	Dhamtari	Nagri	54.10	Safe	Dhamtari	Nagri
8	Durg	Durg	86.84	Semi-Critical	Durg	Durg
9	Janjgir-Champa	Dabhata	62.82	Safe	Janjgir-Champa	Dabhata
10	Janjgir-Champa	Sakti	49.59	Safe	Janjgir-Champa	Sakti
11	Kanker	Charama	66.29	Safe	Kanker	Charama
12	Kawardha	Kawardha	89.15	Semi-Critical	Kawardha	Kawardha
13	Kawardha	Pandanya	73.67	Semi-Critical	Kawardha	Pandanya
14	Kawardha	Sahasapur Lohara	64.46	Safe	Kawardha	Sahasapur Lohara
15	Korba	Kaghora	68.76	Safe	Korba	Kaghora
16	Raingarh	Tannar	50.50	Safe	Raingarh	Tannar
17	Rajnandgaon	Chukhadan	67.83	Safe	Rajnandgaon	Chukhadan
18	Rajnandgaon	Dongargam	61.56	Safe	Rajnandgaon	Dongargam
19	Surajpur	Surajpur	66.65	Safe	Surajpur	Surajpur

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
DELHI							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	East	Preet Vihar	99.74	Critical	East	Preet Vihar	75.62
2	North-East	Karawal Nagar	105.72	Over-exploited	North-East	Karawal Nagar	98.69
3	North-East	Seelampur	126.73	Over-exploited	North-East	Seelampur	99.27
4	North-West	Sarwaswati Vihar	109.92	Over-exploited	North-West	Sarwaswati Vihar	85.07
5	Shahdara	Seemapuri	246.55	Over-exploited	Shahdara	Seemapuri	98.69
6	South-East	Defence Colony	181.19	Over-exploited	South-East	Defence Colony	94.79
7	South-West	Najafgarh	230.57	Over-exploited	South-West	Najafgarh	94.18
8	West	Punjabi Bagh	92.02	Critical	West	Punjabi Bagh	87.39
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
DELHI							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	North	Alipur	81.15	Semi-Critical	Deteriorated		97.90
2	North	Model Town	71.41	Semi-Critical	North	Model Town	98.51
3	North	Narela	89.29	Semi-Critical	North	Narela	118.52
							Critical
							Critical
							Over-exploited
							Deteriorated
							Deteriorated
							Deteriorated

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
GUJARAT							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Ahmedabad	Detroj-Rampura	78.13	Improved	Ahmedabad	Detroj-Rampura	49.80
2	Ahmedabad	Dholka	79.20	Semi-Critical	Ahmedabad	Dholka	54.95
3	Ahmedabad	Vrangam	81.53	Semi-Critical	Ahmedabad	Vrangam	34.03
4	Banaskantha	Palanpur	95.34	Critical	Banaskantha	Palanpur	72.01
5	Banaskantha	Vadgam	117.13	Over-Exploited	Banaskantha	Vadgam	75.20
6	Gandhinagar	Kalol	114.03	Over-Exploited	Gandhinagar	Kalol	75.80
7	Gandhinagar	Mansa	139.35	Over-Exploited	Gandhinagar	Mansa	73.16
8	Kachchh	Nakhatrana	87.01	Semi-Critical	Kachchh	Nakhatrana	59.70
9	Kachchh	Anjar	91.45	Critical	Kachchh	Anjar	58.65
10	Mahesana	Kadi	126.11	Over-Exploited	Mahesana	Kadi	82.49
11	Mahesana	Unjha	104.09	Over-Exploited	Mahesana	Unjha	76.71
12	Mahesana	Vilapur	127.75	Over-Exploited	Mahesana	Vilapur	94.96
13	Mahesana	Visnagar	106.64	Over-Exploited	Mahesana	Visnagar	81.35
14	Patan	Patan	102.23	Over-Exploited	Patan	Patan	81.88
15	Patan	Sidpur	103.83	Over-Exploited	Patan	Sidpur	92.78
16	Sabarkantha	Talod	75.10	Semi-Critical	Sabarkantha	Talod	58.07
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
GUJARAT							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Ahmedabad	Bavia	48.88	Safe	Ahmedabad	Bavia	90.61
2	Ahmedabad	Mandal	31.24	Safe	Ahmedabad	Mandal	80.97
3	Anreli	Rajula	62.10	Safe	Anreli	Rajula	88.61
4	Banaskantha	Daniwada	56.11	Safe	Banaskantha	Daniwada	132.30
5	Gir Somnath	Una	53.66	Safe	Gir Somnath	Una	71.85
6	Junagadh	Bhesan	64.63	Safe	Junagadh	Bhesan	128.07
7	Junagadh	Junagadh City & Juna	62.60	Safe	Junagadh	Junagadh City & Juna	103.12
8	Junagadh	Keshod	64.82	Safe	Junagadh	Keshod	85.14
9	Junagadh	Malia	64.72	Safe	Junagadh	Malia	75.07
10	Junagadh	Manavadar	65.97	Safe	Junagadh	Manavadar	126.04
11	Junagadh	Visavadar	65.24	Safe	Junagadh	Visavadar	91.12
12	Kachchh	Bhuj	92.47	Critical	Kachchh	Bhuj	179.61
13	Kherda	Gateshwar	41.97	Safe	Kherda	Gateshwar	82.98
14	Mahesana	Vadnagar	91.79	Critical	Mahesana	Vadnagar	126.95
15	Narmada	Nandod	26.25	Safe	Narmada	Nandod	70.44
16	Patan	Sarsvat(Patan)	90.65	Critical	Patan	Sarsvat(Patan)	186.99
17	Rajkot	Dhoraji	65.93	Safe	Rajkot	Dhoraji	72.38
18	Rajkot	Vinchchiya	63.09	Safe	Rajkot	Vinchchiya	77.85
19	Sabarkantha	Himatnagar	62.40	Safe	Sabarkantha	Himatnagar	71.02
20	Sabarkantha	Prantij	76.38	Semi-Critical	Sabarkantha	Prantij	117.84
21	Surendranagar	Chuda	62.71	Safe	Surendranagar	Chuda	75.58
22	Vadodara	Padra	57.55	Safe	Vadodara	Padra	100.90

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
HARYANA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Charkhi Dadri	Charkhi Dadri	82.00	Semi-Critical	Improved	Charkhi Dadri	65.00
2	Hisar	Adampur	116.00	Over-Exploited	Hisar	Adampur	92.00
3	Hisar	Agroha	101.00	Over-Exploited	Hisar	Agroha	95.30
4	Hisar	Hansi-I	89.00	Semi-Critical	Hisar	Hansi-I	64.00
5	Hisar	Uklana	76.00	Semi-Critical	Hisar	Uklana	20.00
6	Mahendragarh	Nangal Chaudhry	74.00	Semi-Critical	Mahendragarh	Nangal Chaudhry	61.61
7	Mewat	Nuh	78.00	Semi-Critical	Mewat	Nuh	36.00
8	Mewat	Punahana	125.00	Over-Exploited	Mewat	Punahana	93.43
9	Palwal	Hassanpur	106.00	Over-Exploited	Palwal	Hassanpur	99.00
10	Palwal	Hathin	105.00	Over-Exploited	Palwal	Hathin	65.00
11	Palwal	Hodal	104.00	Over-Exploited	Palwal	Hodal	86.12
12	Palwal	Palwal	110.00	Over-Exploited	Palwal	Palwal	77.00
13	Sirsa	Baraughda	119.00	Over-Exploited	Sirsa	Baraughda	76.00
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
HARYANA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Ambala	Ambala-I	72	Semi-Critical	Deteriorated	Ambala-I	97.47
2	Ambala	Ambala-II	53	Safe	Ambala	Ambala-II	87.86
3	Bhiwani	Bawani Khara	69	Safe	Bhiwani	Bawani Khara	78.16
4	Hisar	Barwala	92	Critical	Hisar	Barwala	120.00
5	Hisar	Hansi	67	Safe	Hisar	Hansi	81.00
6	Mahendragarh	Ateli Nangal	77	Semi-Critical	Mahendragarh	Ateli Nangal	91.29
7	Mahendragarh	Shina	82	Semi-Critical	Mahendragarh	Shina	126.15
8	Mewat	Ferozepur Jhirka	80	Semi-Critical	Mewat	Ferozepur Jhirka	91.00
9	Panchkula	Raipur Rani	88	Semi-Critical	Panchkula	Raipur Rani	99.00
10	Rewari	Bawal	65	Safe	Rewari	Bawal	113.00
11	Rewari	Dahina	80	Semi-Critical	Rewari	Dahina	92.18
12	Rewari	Jatusana	79	Semi-Critical	Rewari	Jatusana	166.00
13	Sonapat	Mundiana	78	Semi-Critical	Sonapat	Mundiana	120.00
14	Yamuna Nagar	Bilaspur	90	Semi-Critical	Yamuna Nagar	Bilaspur	126.00
15	Yamuna Nagar	Sadaura (Part)	77	Semi-Critical	Yamuna Nagar	Sadaura (Part)	95.39

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
HIMACHAL PRADESH									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
Improved									
1	Kangra	Indaura Valley	119.00	Over-Exploited	Kangra	Nurpur Indaura Valley	29.27	Safe	Improved
2	Sirmour	Kala Amb Valley	385.11	Over-Exploited	Sirmour	Kala Amb Valley	27.51	Safe	Improved
3	Nalagarh Valley	Solan	110.60	Over-Exploited	Nalagarh Valley	Solan	58.41	Safe	Improved
4	Una Valley	Una	108.37	Over-Exploited	Una Valley	Una	60.99	Safe	Improved
3	Hum valley	Una	75.50	Semi-Critical	Hum valley	Una	58.12	Safe	Improved

[illegible]

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
KARNATAKA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Dharwad	Kalhatgi	75.00	Semi-Critical	Dharwad	Kalhatgi	46.84
2	Gadag	Gadag	101.00	Over-Exploited	Gadag	Gadag	95.15
3	Haveri	Ranbennur	92.00	Critical	Haveri	Ranbennur	74.62
4	Ramanagaram	Kanakapura	102.00	Over-Exploited	Ramanagaram	Kanakapura	92.37
5	Ramanagaram	Ramanagara	105.00	Over-Exploited	Ramanagaram	Ramanagara	96.87
6	Uttar Kannada	Haliyal	74.00	Semi-Critical	Uttar Kannada	Haliyal	48.34
7	Vijayapura	Indi	91.00	Critical	Vijayapura	Indi	59.01
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
KARNATAKA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Chamrajnagara	Chamrajnagara	75.00	Semi-Critical	Chamrajnagara	Chamrajnagara	105.661378
2	Kalburagi	Afzalpur	40.00	Safe	Kalburagi	Afzalpur	71.53906988
3	Tumakuru	Sira	96.00	Critical	Tumakuru	Sira	101.03184
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
KARNATAKA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Chamrajnagara	Chamrajnagara	75.00	Semi-Critical	Chamrajnagara	Chamrajnagara	105.661378
2	Kalburagi	Afzalpur	40.00	Safe	Kalburagi	Afzalpur	71.53906988
3	Tumakuru	Sira	96.00	Critical	Tumakuru	Sira	101.03184
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
KARNATAKA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Chamrajnagara	Chamrajnagara	75.00	Semi-Critical	Chamrajnagara	Chamrajnagara	105.661378
2	Kalburagi	Afzalpur	40.00	Safe	Kalburagi	Afzalpur	71.53906988
3	Tumakuru	Sira	96.00	Critical	Tumakuru	Sira	101.03184

353

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
MADHYA PRADESH							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Raisen	Sanchi	73.15	Improved	Raisen	Sanchi	63.49
2	Damoh	Batigaon	73.37	Semi-Critical	Damoh	Batigaon	65.34
3	Sagar	Banda	70.38	Semi-Critical	Sagar	Banda	57.92
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
MADHYA PRADESH							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Sehore	Ashia	77.36	Deteriorated	Sehore	Ashia	99.67
2	Hoshangabad	Bankhedi	68.56	Semi-Critical	Hoshangabad	Bankhedi	72.96
3	Narsinghpur	Narsinghpur	67.48	Safe	Narsinghpur	Narsinghpur	74.25
4	Chhindwara	Chhindwara	88.50	Semi-Critical	Chhindwara	Chhindwara	96.55
5	Chhindwara	Mohkhedi	67.73	Safe	Chhindwara	Mohkhedi	70.83
6	Neemuch	Jawad	96.10	Critical	Neemuch	Jawad	100.30
7	Neemuch	Neemuch	94.64	Critical	Neemuch	Neemuch	102.25
8	Ashoknagar	Ishnagar	67.06	Safe	Ashoknagar	Ishnagar	77.74
9	Shajapur	Kalpipal	97.33	Critical	Shajapur	Kalpipal	108.83
10	Jhabua	Jhabua	67.74	Safe	Jhabua	Jhabua	77.13
11	Shivpuri	Kolaras	69.56	Safe	Shivpuri	Kolaras	78.97
12	Rewa	Mauganj	65.62	Safe	Rewa	Mauganj	72.00
13	Vidisha	Gyaspur	67.58	Safe	Vidisha	Gyaspur	71.96
14	Vidisha	Kurwai	69.26	Safe	Vidisha	Kurwai	71.06
15	Dhar	Tirra	87.60	Semi-Critical	Dhar	Tirra	94.44
16	Chhatarpur	Blawar	66.91	Safe	Chhatarpur	Blawar	76.28

355

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
ODISHA									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
1	Balasore	Bahanaga	73.11	Semi-Critical	Balasore	BAHANAGA	67.87	Safe	Improved
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
ODISHA									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
1	Khurda	Bhubaneswar	64.94	Safe	Khurda	Bhubaneswar	80.34	Semi-Critical	Deteriorated
2	Nuapada	Nuapada	57.16	Safe	Nuapada	Nuapada	75.35	Semi-Critical	Deteriorated

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
PUNJAB							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Gurdaspur	Qadian	143.00	Over-Exploited	Gurdaspur	Qadian	99.09
2	Gurdaspur	SriHarobindpur	129.00	Over-Exploited	Gurdaspur	SriHarobindpur	91.23
3	Hoshiarpur	Talwara	81.00	Semi-Critical	Hoshiarpur	Talwara	52.78
4	Pathankot	Pathankot	81.00	Semi-Critical	Pathankot	Pathankot	54.48
5	Ropar	Nurpur Bedi	109.00	Over-Exploited	Ropar	Nurpur Bedi	91.73
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
PUNJAB							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
1	Bathinda	Nathana	73.00	Semi-Critical	Bathinda	Nathana	108.91
2	Bathinda	Talwandi Saboo	65.00	Safe	Bathinda	Talwandi Saboo	94.40
3	Bathinda	Rampura	69.00	Safe	Bathinda	Rampura	80.57
4	Fazilka	Fazilka	155.00	Safe	Fazilka	Fazilka	95.74
5	Gurdaspur	Dinanagar	101.00	Safe	Gurdaspur	Dinanagar	74.41
6	Hoshiarpur	Hoshiarpur II	68.00	Safe	Hoshiarpur	Hoshiarpur II	77.56
7	Hoshiarpur	Mahlipur	70.00	Safe	Hoshiarpur	Mahlipur	80.65
8	Mansa	Jhunjir	99.00	Critical	Mansa	Jhunjir	119.73
9	Navanshahr	Balachaur	63.00	Safe	Navanshahr	Balachaur	87.92
10	Pathankot	Banyal	105.00	Safe	Pathankot	Banyal	82.65
11	Pathankot	Narot Jaimal Singh	107.00	Safe	Pathankot	Narot Jaimal Singh	84.55

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
RAJASTHAN									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
				Improved					
1	Barmer	Gudhamalani	133.84	Over-Exploited	Barmer	Gudhamalani	97.94	Critical	Improved
2	Barmer	Kalyanpur	92.73	Critical	Barmer	Kalyanpur	62.43	Safe	Improved
3	Barmer	Patodi	138.57	Over-Exploited	Barmer	Patodi	88.04	Semi-Critical	Improved
4	Barmer	Sivana	135.90	Over-Exploited	Barmer	Sivana	98.08	Critical	Improved
5	Bikaner	Kolayat	99.87	Critical	Bikaner	Kolayat	60.08	Safe	Improved
6	Dungarpur	Dungarpur	89.32	Semi-Critical	Dungarpur	Dungarpur	63.69	Safe	Improved
7	Dungarpur	Sinawara	86.58	Semi-Critical	Dungarpur	Sinawara	69.15	Safe	Improved
8	Jhalawar	Prawa	99.55	Critical	Jhalawar	Prawa	71.67	Semi-Critical	Improved
9	Kota	Ladpura	98.85	Critical	Kota	Ladpura	82.65	Semi-Critical	Improved
10	Udaipur	Bhindar	123.99	Over-Exploited	Udaipur	Bhindar	92.45	Critical	Improved

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
RAJASTHAN							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Deteriorated			
1	Banswara	Anandpur	68.77	Safe	Banswara	Anandpur	84.01
2	Banswara	Bagidora	68.76	Safe	Banswara	Bagidora	84.75
3	Banswara	Gangar Talal	62.14	Safe	Banswara	Gangar Talal	73.53
4	Banswara	Garhi	53.36	Safe	Banswara	Garhi	70.45
5	Banswara	Kushalgarh	67.25	Safe	Banswara	Kushalgarh	86.93
6	Barmer	Barmer	64.13	Safe	Barmer	Barmer	126.24
7	Barmer	Dhanoo	96.69	Critical	Barmer	Dhanoo	103.57
8	Barmer	Ransar	97.08	Critical	Barmer	Ransar	101.36
9	Barmer	Serwa	66.11	Critical	Barmer	Serwa	112.25
10	Barmer	Sindhari	99.50	Critical	Barmer	Sindhari	107.20
11	Bharatpur	Kaman	99.48	Critical	Bharatpur	Kaman	106.22
12	Bharatpur	Nagar	97.66	Critical	Bharatpur	Nagar	104.70
13	Bharatpur	Pahari	99.76	Critical	Bharatpur	Pahari	123.84
14	Bundi	Bundi	81.87	Semi-Critical	Bundi	Bundi	98.50
15	Bundi	Keshora Patan	69.37	Safe	Bundi	Keshora Patan	73.24
16	Churu	Churu	89.83	Semi-Critical	Churu	Churu	98.15
17	Churu	Ratangarh	79.88	Semi-Critical	Churu	Ratangarh	104.47
18	Dhaulpur	Bari	88.81	Semi-Critical	Dhaulpur	Bari	106.98
19	Dhaulpur	Basari	89.38	Semi-Critical	Dhaulpur	Basari	98.31
20	Dungarpur	Sagwara	69.23	Safe	Dungarpur	Sagwara	87.50
21	Jaipur	Phagi	98.87	Critical	Jaipur	Phagi	118.70
22	Jhalawar	Bakani	99.61	Critical	Jhalawar	Bakani	139.49
23	Jhalawar	Dag	89.97	Semi-Critical	Jhalawar	Dag	117.83
24	Jhalawar	Jhalrapatan	99.08	Critical	Jhalawar	Jhalrapatan	136.72
25	Jodhpur	Bap	65.48	Safe	Jodhpur	Bap	84.83
26	Jodhpur	Luni	39.47	Safe	Jodhpur	Luni	90.19
27	Nagaur	Ladnu	90.96	Critical	Nagaur	Ladnu	117.16
28	Nagaur	Nagaur	72.97	Semi-Critical	Nagaur	Nagaur	91.44
29	Pali	Pali	69.26	Safe	Pali	Pali	82.09
30	Pali	Sumerpur	95.06	Critical	Pali	Sumerpur	125.55
31	Rajsamand	Deogarh	99.13	Critical	Rajsamand	Deogarh	112.90
32	Sikar	Fatehpur	78.72	Semi-Critical	Sikar	Fatehpur	90.63
33	Sirohi	Abu Road	99.90	Critical	Sirohi	Abu Road	124.02
34	Sirohi	Sirohi	91.30	Critical	Sirohi	Sirohi	110.72
35	Tonk	Todaraisingh	69.82	Safe	Tonk	Todaraisingh	73.13
36	Tonk	Tonk	84.89	Semi-Critical	Tonk	Tonk	99.19
37	Udaipur	Kotra	89.15	Semi-Critical	Udaipur	Kotra	101.33
28	Udaipur	Lasadiya	99.03	Critical	Udaipur	Lasadiya	117.46
39	Udaipur	Rishabhdev	98.38	Critical	Udaipur	Rishabhdev	105.79
40	Udaipur	Sarada	89.44	Semi-Critical	Udaipur	Sarada	92.26
							Deteriorated

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
TAMIL NADU									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
Improved									
1	Chengalpattu	L.Endathur	98.03	Critical	Chengalpattu	L.Endathur	88.15	Semi-Critical	Improved
2	Chengalpattu	Nerumbur	109.90	Over-Exploited	Chengalpattu	Nerumbur	93.55	Critical	Improved
3	Chengalpattu	Singaperumalkoil	102.55	Over-Exploited	Chengalpattu	Singaperumalkoil	88.54	Semi-Critical	Improved
4	Coimbatore	Anamalai	105.80	Over-Exploited	Coimbatore	Anamalai	84.24	Semi-Critical	Improved
5	Coimbatore	Sulur	118.51	Over-Exploited	Coimbatore	Sulur	96.43	Critical	Improved
6	Cuddalore	Marungur	82.66	Semi-Critical	Cuddalore	Marungur	53.25	Safe	Improved
7	Cuddalore	Sethiyathoppu	74.57	Semi-Critical	Cuddalore	Sethiyathoppu	64.74	Safe	Improved
8	Cuddalore	Thiruvanthipuram	109.32	Over-Exploited	Cuddalore	Thiruvanthipuram	84.80	Semi-Critical	Improved
9	Cuddalore	Umagalam	102.42	Over-Exploited	Cuddalore	Umagalam	89.44	Semi-Critical	Improved
10	Dharmapuri	Krishnapuram	92.64	Critical	Dharmapuri	Krishnapuram	88.30	Semi-Critical	Improved
11	Dharmapuri	Morappur	98.59	Critical	Dharmapuri	Morappur	89.96	Semi-Critical	Improved
12	Dharmapuri	Nallampalli	97.13	Critical	Dharmapuri	Nallampalli	85.94	Semi-Critical	Improved
13	Dharmapuri	Palacode	134.62	Over-Exploited	Dharmapuri	Palacode	84.17	Semi-Critical	Improved
14	Dharmapuri	Papireddipatty	93.13	Critical	Dharmapuri	Papireddipatty	89.92	Semi-Critical	Improved
15	Kallakurichi	Kalamardur	105.92	Over-Exploited	Kallakurichi	Kalamardur	96.51	Critical	Improved
16	Kallakurichi	Vellimalai	81.47	Semi-Critical	Kallakurichi	Vellimalai	61.89	Safe	Improved
17	Kancheepuram	Govindhavadi	116.23	Over-Exploited	Kancheepuram	Govindhavadi	95.13	Critical	Improved
18	Kancheepuram	Sirukaveripakkam	103.39	Over-Exploited	Kancheepuram	Sirukaveripakkam	86.03	Semi-Critical	Improved
19	Kancheepuram	Thiruppu Kuzhi	93.51	Critical	Kancheepuram	Thiruppu Kuzhi	85.81	Semi-Critical	Improved
20	Krishnagiri	Hosur	123.50	Over-Exploited	Krishnagiri	Hosur	87.74	Semi-Critical	Improved
21	Krishnagiri	Kakkadasam	72.48	Semi-Critical	Krishnagiri	Kakkadasam	60.06	Safe	Improved
22	Krishnagiri	Krishnagiri	196.85	Over-Exploited	Krishnagiri	Krishnagiri	89.11	Semi-Critical	Improved
23	Krishnagiri	Mathigiri	98.78	Critical	Krishnagiri	Mathigiri	87.84	Semi-Critical	Improved
24	Krishnagiri	Pochampalli	163.21	Over-Exploited	Krishnagiri	Pochampalli	88.97	Semi-Critical	Improved
25	Krishnagiri	Thally	77.56	Semi-Critical	Krishnagiri	Thally	68.86	Safe	Improved
26	Krishnagiri	Uthanapalli	80.43	Semi-Critical	Krishnagiri	Uthanapalli	67.54	Safe	Improved
27	Pudukkottai	Keerananganalam	91.79	Critical	Pudukkottai	Keerananganalam	86.79	Semi-Critical	Improved
28	Pudukkottai	Varappur	78.52	Semi-Critical	Pudukkottai	Varappur	68.13	Safe	Improved
29	Pudukkottai	Veerapatty	82.52	Semi-Critical	Pudukkottai	Veerapatty	68.87	Safe	Improved
30	Ranipet	Kalavai	109.21	Over-Exploited	Ranipet	Kalavai	93.73	Critical	Improved
31	Ranipet	Mambakkam	93.96	Critical	Ranipet	Mambakkam	84.66	Semi-Critical	Improved
32	Ranipet	Nemiliv(V)	116.20	Over-Exploited	Ranipet	Nemiliv(V)	92.30	Critical	Improved
33	Ranipet	Palur	91.77	Critical	Ranipet	Palur	81.68	Semi-Critical	Improved
34	Salem	Karupur	123.84	Over-Exploited	Salem	Karupur	98.41	Critical	Improved
35	Sivaganga	Varappur	78.52	Semi-Critical	Sivaganga	Varappur	68.12	Safe	Improved
36	Tenkasi	Kadayanallur	99.12	Critical	Tenkasi	Kadayanallur	88.14	Semi-Critical	Improved
37	Thirupathur	Alangayam	101.10	Over-Exploited	Thirupathur	Alangayam	95.51	Critical	Improved
38	Thirupathur	Ambalur	98.86	Critical	Thirupathur	Ambalur	89.04	Semi-Critical	Improved
39	Thirupathur	Andiyappanur	101.08	Over-Exploited	Thirupathur	Andiyappanur	92.35	Critical	Improved
40	Thirupathur	Pudumadu	93.32	Critical	Thirupathur	Pudumadu	86.19	Semi-Critical	Improved
41	Thiruvallur	Ammanambakkam	74.91	Semi-Critical	Thiruvallur	Ammanambakkam	68.42	Safe	Improved
42	Thiruvallur	Cherukanoor	92.86	Critical	Thiruvallur	Cherukanoor	87.32	Semi-Critical	Improved
43	Thiruvallur	Kadambathur	87.56	Semi-Critical	Thiruvallur	Kadambathur	63.06	Safe	Improved
44	Thiruvallur	Kanaganmachattaram	93.62	Critical	Thiruvallur	Kanaganmachattaram	82.51	Semi-Critical	Improved
45	Thiruvallur	Kannigalpallur	95.28	Critical	Thiruvallur	Kannigalpallur	82.30	Semi-Critical	Improved
46	Thiruvallur	Kattur	81.47	Semi-Critical	Thiruvallur	Kattur	59.26	Safe	Improved
47	Thiruvallur	Kolur	72.08	Semi-Critical	Thiruvallur	Kolur	57.36	Safe	Improved
48	Thiruvallur	Morai	113.16	Over-Exploited	Thiruvallur	Morai	88.42	Semi-Critical	Improved
49	Thiruvallur	Nemam	101.67	Over-Exploited	Thiruvallur	Nemam	89.32	Semi-Critical	Improved
50	Thiruvallur	Thirumazhisai	99.44	Critical	Thiruvallur	Thirumazhisai	89.84	Semi-Critical	Improved
51	Thiruvallur	Thiruvallangadu	73.93	Semi-Critical	Thiruvallur	Thiruvallangadu	51.66	Safe	Improved
52	Thiruvallur	Vengathur	106.96	Over-Exploited	Thiruvallur	Vengathur	99.32	Critical	Improved
53	Trichirappalli	Andanallur	70.57	Semi-Critical	Trichirappalli	Andanallur	55.82	Safe	Improved

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
TAMIL NADU							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
Improved							
54	Tiruchirappalli	Ealupatti	91.67	Critical	Tiruchirappalli	Ealupatti	86.21
55	Tiruchirappalli	Kattuputhur	99.66	Critical	Tiruchirappalli	Kattuputhur	88.18
56	Tiruchirappalli	Thottiyam	97.69	Critical	Tiruchirappalli	Thottiyam	86.77
57	Tiruchirappalli	Uppilavapuram	100.99	Over-Exploited	Tiruchirappalli	Uppilavapuram	94.49
58	Tiruchirappalli	Valadi	71.70	Semi-Critical	Tiruchirappalli	Valadi	65.00
59	Tiruppur	Alangiyam	102.86	Over-Exploited	Tiruppur	Alangiyam	92.80
60	Tiruppur	Dharapuram	93.62	Critical	Tiruppur	Dharapuram	72.25
61	Tiruppur	Nathakadavayur	102.13	Over-Exploited	Tiruppur	Nathakadavayur	94.66
62	Tiruppur	Sankarandampalayam	117.46	Over-Exploited	Tiruppur	Sankarandampalayam	94.02
63	Tiruppur	Thungavi	95.23	Critical	Tiruppur	Thungavi	82.69
64	Tiruvannamalai	Anakavoor	98.66	Critical	Tiruvannamalai	Anakavoor	83.37
65	Tiruvannamalai	Arni	112.46	Over-Exploited	Tiruvannamalai	Arni	88.45
66	Tiruvannamalai	Cheyyar	111.44	Over-Exploited	Tiruvannamalai	Cheyyar	88.48
67	Tiruvannamalai	Devikapuram	99.67	Critical	Tiruvannamalai	Devikapuram	82.72
68	Tiruvannamalai	Dusi	110.69	Over-Exploited	Tiruvannamalai	Dusi	89.05
69	Tiruvannamalai	Kalasapakkam	112.44	Over-Exploited	Tiruvannamalai	Kalasapakkam	89.95
70	Tiruvannamalai	Kannamangalam	98.04	Critical	Tiruvannamalai	Kannamangalam	89.12
71	Tiruvannamalai	Kilpennathur	134.42	Over-Exploited	Tiruvannamalai	Kilpennathur	95.35
72	Tiruvannamalai	Mangalam	148.64	Over-Exploited	Tiruvannamalai	Mangalam	98.94
73	Tiruvannamalai	Modayur	102.38	Over-Exploited	Tiruvannamalai	Modayur	93.70
74	Tiruvannamalai	Navadumangalam	111.29	Over-Exploited	Tiruvannamalai	Navadumangalam	89.93
75	Tiruvannamalai	Peranamallur	109.14	Over-Exploited	Tiruvannamalai	Peranamallur	88.73
76	Tiruvannamalai	Polur	111.88	Over-Exploited	Tiruvannamalai	Polur	89.81
77	Tiruvannamalai	T.V.Malai (North)	93.30	Critical	Tiruvannamalai	T.V.Malai (North)	88.12
78	Tiruvannamalai	Thandarampat	107.25	Over-Exploited	Tiruvannamalai	Thandarampat	88.24
79	Tiruvannamalai	Thellar	99.28	Critical	Tiruvannamalai	Thellar	89.91
80	Tiruvannamalai	Thethurai	98.80	Critical	Tiruvannamalai	Thethurai	88.82
81	Tiruvannamalai	Vandavasi	100.89	Over-Exploited	Tiruvannamalai	Vandavasi	85.86
82	Tiruvannamalai	Vandavasi	114.35	Over-Exploited	Tiruvannamalai	Vandavasi	98.21
83	Tiruvannamalai	Verayalur	101.70	Over-Exploited	Tiruvannamalai	Verayalur	95.21
84	Vellore	Kapadi	129.58	Over-Exploited	Vellore	Kapadi	81.68
85	Vellore	Pennathur	104.59	Over-Exploited	Vellore	Pennathur	98.81
86	Vellore	Pernampattu	110.64	Over-Exploited	Vellore	Pernampattu	89.08
87	Viluppuram	Kilivanur	133.46	Over-Exploited	Viluppuram	Kilivanur	95.59
88	Viluppuram	Mallam	74.16	Semi-Critical	Viluppuram	Mallam	55.07
89	Viluppuram	Marakanam	104.53	Over-Exploited	Viluppuram	Marakanam	87.60
90	Viluppuram	Tindivanam	126.88	Over-Exploited	Viluppuram	Tindivanam	88.39
91	Viluppuram	Vanur	89.08	Semi-Critical	Viluppuram	Vanur	65.88
92	Viluppuram	Viluppuram	109.56	Over-Exploited	Viluppuram	Viluppuram	82.34
93	Virudhunagar	Mallankinar	103.36	Over-Exploited	Virudhunagar	Mallankinar	96.13
94	Virudhunagar	Ondipulainackanur	98.70	Critical	Virudhunagar	Ondipulainackanur	85.69
95	Virudhunagar	Rajapalayam	110.44	Over-Exploited	Virudhunagar	Rajapalayam	83.26
96	Virudhunagar	Salvapatti	95.98	Critical	Virudhunagar	Salvapatti	82.55
97	Virudhunagar	Sivilliputtur	95.30	Critical	Virudhunagar	Sivilliputtur	83.49
98	Virudhunagar	Vachakara-Patti	101.02	Over-Exploited	Virudhunagar	Vachakara-Patti	98.93

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
TAMIL NADU							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Deteriorated			
1	Chengalpattu	Kodur	65.76	Safe	Chengalpattu	Kodur	80.53
2	Coimbatore	Karamadai	89.37	Semi-Critical	Coimbatore	Karamadai	107.78
3	Coimbatore	Madukkarai	100.30	Critical	Coimbatore	Madukkarai	111.95
4	Coimbatore	Metupalayam	92.38	Critical	Coimbatore	Metupalayam	121.87
5	Coimbatore	Periyanaickenpalayam	85.01	Semi-Critical	Coimbatore	Periyanaickenpalayam	117.88
6	Coimbatore	Saravanampatti	93.41	Critical	Coimbatore	Saravanampatti	110.00
7	Coimbatore	Thirumalaipalayam	93.45	Critical	Coimbatore	Thirumalaipalayam	119.55
8	Cuddalore	Kadampanthur	66.50	Safe	Cuddalore	Kadampanthur	89.69
9	Cuddalore	Kullanchavadi	24.48	Safe	Cuddalore	Kullanchavadi	72.45
10	Cuddalore	Kurinjipadi	40.44	Safe	Cuddalore	Kurinjipadi	83.13
11	Cuddalore	Pennadam	95.70	Critical	Cuddalore	Pennadam	149.82
12	Cuddalore	Thozhur	60.91	Safe	Cuddalore	Thozhur	91.03
13	Cuddalore	Tittagudi (E)	68.60	Safe	Cuddalore	Tittagudi (E)	89.90
14	Cuddalore	Tittagudi (W)	51.66	Safe	Cuddalore	Tittagudi (W)	71.33
15	Cuddalore	Udayarkudi	49.93	Safe	Cuddalore	Udayarkudi	88.44
16	Cuddalore	Vrudhachalam(N)	57.19	Safe	Cuddalore	Vrudhachalam(N)	87.87
17	Dindigul	Athoor	90.26	Semi-Critical	Dindigul	Athoor	97.30
18	Dindigul	Dindigul East	58.91	Safe	Dindigul	Dindigul East	80.64
19	Dindigul	Kambiampatti	79.70	Semi-Critical	Dindigul	Kambiampatti	90.21
20	Dindigul	Konkadavu	83.42	Semi-Critical	Dindigul	Konkadavu	96.52
21	Dindigul	Natham	70.49	Safe	Dindigul	Natham	72.42
22	Dindigul	Oruhattu	91.48	Critical	Dindigul	Oruhattu	102.18
23	Dindigul	Reddiapatti	66.42	Safe	Dindigul	Reddiapatti	75.45
24	Dindigul	Senthur	64.81	Safe	Dindigul	Senthur	70.08
25	Erode	Kaspalayam	95.77	Critical	Erode	Kaspalayam	119.55
26	Erode	Kilampadi	92.05	Critical	Erode	Kilampadi	112.38
27	Erode	Kuthiyalathur	65.27	Safe	Erode	Kuthiyalathur	76.13
28	Erode	Poondurai	60.10	Safe	Erode	Poondurai	84.34
29	Erode	Sathyamangalam	90.59	Critical	Erode	Sathyamangalam	102.47
30	Erode	Sivagiri	65.46	Safe	Erode	Sivagiri	86.69
31	Erode	Thingalur	91.90	Critical	Erode	Thingalur	119.41
32	Erode	Vaniputhur	69.15	Safe	Erode	Vaniputhur	81.55
33	Kallakurichi	Alathur	48.55	Safe	Kallakurichi	Alathur	75.53
34	Kallakurichi	Chinnasalem	88.72	Semi-Critical	Kallakurichi	Chinnasalem	96.70
35	Kallakurichi	Kallakurichi	75.18	Semi-Critical	Kallakurichi	Kallakurichi	97.63
36	Kallakurichi	Kalvarayan Malai	68.35	Safe	Kallakurichi	Kalvarayan Malai	94.27
37	Kallakurichi	Sankarapuram	58.81	Safe	Kallakurichi	Sankarapuram	88.38
38	Karur	Aravakurichi	60.88	Safe	Karur	Aravakurichi	70.18
39	Krishnagiri	Nagarasampatti	95.53	Critical	Krishnagiri	Nagarasampatti	105.48
40	Ranipet	Banavaram	65.86	Safe	Ranipet	Banavaram	76.89
41	Ranipet	Sholinghur	54.09	Safe	Ranipet	Sholinghur	77.21
42	Salem	Panamathurpatti	38.39	Safe	Salem	Panamathurpatti	94.68
43	Thanjavur	Adirampattinam	97.22	Critical	Thanjavur	Adirampattinam	102.80
44	Thanjavur	Agarapetai	95.72	Critical	Thanjavur	Agarapetai	102.77
45	Thanjavur	Pattukottai	95.89	Critical	Thanjavur	Pattukottai	116.70
46	Thanjavur	Sillathur	99.63	Critical	Thanjavur	Sillathur	113.19
47	Thanjavur	Thekkur	66.97	Safe	Thanjavur	Thekkur	70.67
48	The Nilgiris	Ithalar	44.17	Safe	The Nilgiris	Ithalar	71.97
49	The Nilgiris	Kundah	61.85	Safe	The Nilgiris	Kundah	73.19
50	Theni	Mayladumparai	62.79	Safe	Theni	Mayladumparai	82.05
51	Thiruvallur	Balapuram	59.85	Safe	Thiruvallur	Balapuram	81.97
52	Thiruvallur	Manavur	42.11	Safe	Thiruvallur	Manavur	84.87
53	Thiruvallur	Poondi	61.14	Safe	Thiruvallur	Poondi	74.76
54	Thiruvallur	Puzhal	69.11	Safe	Thiruvallur	Puzhal	70.03

363

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
TELANGANA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
Improved							
1	Adilabad	Bazarhathnoor	80.74	Semi-Critical	Adilabad	Bazarhathnoor	67.86
2	Adilabad	Boath	94.45	Critical	Adilabad	Boath	69.18
3	Adilabad	Gudihathnur	109.30	Over-Exploited	Adilabad	Gudihathnur	75.33
4	Adilabad	Ichoda	120.49	Over-Exploited	Adilabad	Ichoda	69.10
5	Adilabad	Mavala	93.79	Critical	Adilabad	Mavala	77.46
6	Adilabad	Narnoor	86.21	Semi-Critical	Adilabad	Narnoor	67.30
7	Adilabad	Neradigonda	93.48	Critical	Adilabad	Neradigonda	73.32
8	Adilabad	Tamsi	109.03	Over-Exploited	Adilabad	Tamsi	75.63
9	Jagtial	Ibrahimpattam	74.50	Semi-Critical	Jagtial	Ibrahimpattam	66.48
10	Jagtial	Jagtiyal Rural	72.21	Semi-Critical	Jagtial	Jagtiyal Rural	59.01
11	Jagtial	Mallapur	78.65	Semi-Critical	Jagtial	Mallapur	64.84
12	Jangaon	Devarupalla	99.50	Critical	Jangaon	Devarupalla	61.47
13	Jangaon	Lingalaghanpur	99.36	Critical	Jangaon	Lingalaghanpur	67.50
14	Jangaon	Raghnathpalle	93.01	Critical	Jangaon	Raghnathpalle	84.40
15	Jangaon	Zafferpeth	90.33	Critical	Jangaon	Zafferpeth	79.06
16	Jayashankar Bhupalapally	Bhupalpalle	71.24	Semi-Critical	Jayashankar	Bhupalpalle	57.27
17	Jayashankar Bhupalapally	Ghanapur_Mulug	81.60	Semi-Critical	Jayashankar	Ghanapur_Mulug	56.27
18	Jayashankar Bhupalapally	Kataram	110.16	Over-Exploited	Jayashankar	Kataram	41.53
19	Jayashankar Bhupalapally	Regonda	76.79	Semi-Critical	Jayashankar	Regonda	65.06
20	Jogulamba Gadwal	Maldakal	79.86	Semi-Critical	Jogulamba	Maldakal	56.00
21	Kamareddy	Bichkunda	75.33	Semi-Critical	Kamareddy	Bichkunda	68.91
22	Kamareddy	Birkoor	71.33	Semi-Critical	Kamareddy	Birkoor	51.37
23	Kamareddy	Domakonda	97.03	Critical	Kamareddy	Domakonda	86.83
24	Kamareddy	Gandhan	73.50	Semi-Critical	Kamareddy	Gandhan	63.74
25	Kamareddy	Jukkal	81.10	Semi-Critical	Kamareddy	Jukkal	62.07
26	Kamareddy	Kamareddy	92.70	Critical	Kamareddy	Kamareddy	69.76
27	Kamareddy	Machareddy	92.13	Critical	Kamareddy	Machareddy	79.75
28	Kamareddy	Madnur	84.49	Semi-Critical	Kamareddy	Madnur	64.68
29	Kamareddy	Nasurullabad	75.87	Semi-Critical	Kamareddy	Nasurullabad	50.83
30	Kamareddy	Pedda Kodappal	70.92	Semi-Critical	Kamareddy	Pedda Kodappal	69.14
31	Kamareddy	Pillam	76.13	Semi-Critical	Kamareddy	Pillam	69.73
32	Kamareddy	Ranareddy	96.02	Critical	Kamareddy	Ranareddy	69.14
33	Karimnagar	Chigurumamidi	96.80	Critical	Karimnagar	Chigurumamidi	74.00
34	Karimnagar	Choppadandi	98.94	Critical	Karimnagar	Choppadandi	62.39
35	Karimnagar	Ellandakunta	76.88	Semi-Critical	Karimnagar	Ellandakunta	49.21
36	Karimnagar	Gangadhara	116.72	Over-Exploited	Karimnagar	Gangadhara	94.51
37	Karimnagar	Gannervaram	99.53	Critical	Karimnagar	Gannervaram	71.03
38	Karimnagar	Huzurabad	71.70	Semi-Critical	Karimnagar	Huzurabad	45.26
39	Karimnagar	Kolhapalle	73.42	Semi-Critical	Karimnagar	Kolhapalle	62.40
40	Karimnagar	Manakondur	72.19	Semi-Critical	Karimnagar	Manakondur	35.51
41	Karimnagar	Thinnapur	83.94	Semi-Critical	Karimnagar	Thinnapur	57.82
42	Khammam	Chinthakani	73.99	Semi-Critical	Khammam	Chinthakani	30.45
43	Khammam	Khammam Rural	138.06	Over-Exploited	Khammam	Khammam Rural	54.11
44	Khammam	Kusumanchi	120.00	Over-Exploited	Khammam	Kusumanchi	62.29
45	Khammam	Mudigonda	77.74	Semi-Critical	Khammam	Mudigonda	26.51
46	Khammam	Nelakondapalle	70.06	Semi-Critical	Khammam	Nelakondapalle	24.25
47	Khammam	Raghnathpalem	95.89	Critical	Khammam	Raghnathpalem	82.25
48	Khammam	Thirumalayapalem	122.14	Over-Exploited	Khammam	Thirumalayapalem	80.51
49	Komarambhem Asifabad	Kagaznagar	74.97	Semi-Critical	Komarambhem	Kagaznagar	40.65
50	Mahabubabad	Danthalapalle	104.88	Over-Exploited	Mahabubabad	Danthalapalle	91.27
51	Mahabubabad	Mahabubabad	74.78	Semi-Critical	Mahabubabad	Mahabubabad	63.08
52	Mahabubabad	Marpeda	103.37	Over-Exploited	Mahabubabad	Marpeda	89.89
53	Mahabubabad	Narsimhapet	100.39	Over-Exploited	Mahabubabad	Narsimhapet	88.48

Dynamic Ground Water Resources Assessment of India - 2020

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
TELANGANA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Improved			
54	Mahabubabad	Peddavangara	114.52	Over-Exploited	Mahabubabad	Peddavangara	71.07
55	Mahabubabad	Thorur	92.60	Critical	Mahabubabad	Thorur	73.97
56	Mahabubnagar	Addakal	75.56	Semi-Critical	Mahabubnagar	Addakal	69.36
57	Mahabubnagar	Balanagar	100.56	Over-Exploited	Mahabubnagar	Balanagar	93.60
58	Mahabubnagar	Hanwada	92.63	Critical	Mahabubnagar	Hanwada	88.99
59	Mahabubnagar	Rajapur	91.49	Critical	Mahabubnagar	Rajapur	88.79
60	Mancherial	Chennur	75.95	Semi-Critical	Mancherial	Chennur	49.03
61	Medak	Chilpiched	74.42	Semi-Critical	Medak	Chilpiched	35.20
62	Medak	Kowdipalle	81.18	Semi-Critical	Medak	Kowdipalle	52.28
63	Medak	Nizampet	90.23	Critical	Medak	Nizampet	84.56
64	Medak	Regode	75.33	Semi-Critical	Medak	Regode	65.09
65	Medchal Malkajgiri	Balanagar	297.97	Over-Exploited	Medchal	Balanagar	95.40
66	Medchal Malkajgiri	Kapra	111.79	Over-Exploited	Medchal	Kapra	57.09
67	Medchal Malkajgiri	Keesara	70.68	Semi-Critical	Medchal	Keesara	57.36
68	Medchal Malkajgiri	Kukapally	131.71	Over-Exploited	Medchal	Kukapally	95.40
69	Medchal Malkajgiri	Medchal	185.08	Over-Exploited	Medchal	Medchal	57.09
70	Medchal Malkajgiri	Medchal	91.80	Critical	Medchal	Medchal	78.92
71	Medchal Malkajgiri	Medchal	85.65	Semi-Critical	Medchal	Medchal	57.09
72	Medchal Malkajgiri	Quthbullapur	138.34	Over-Exploited	Medchal	Quthbullapur	95.40
73	Medchal Malkajgiri	Shamirpet	76.01	Semi-Critical	Medchal	Shamirpet	55.38
74	Medchal Malkajgiri	Uppal	168.49	Over-Exploited	Medchal	Uppal	57.09
75	Mulug	Venkatapuram	73.07	Semi-Critical	Mulug	Venkatapuram	48.10
76	Nagarkurnool	Kodair	80.13	Semi-Critical	Nagarkurnool	Kodair	61.63
77	Nagarkurnool	Peddakothapalle	83.05	Semi-Critical	Nagarkurnool	Peddakothapalle	66.83
78	Nagarkurnool	Tadour	97.81	Critical	Nagarkurnool	Tadour	73.45
79	Nalgonda	Kangal	102.72	Over-Exploited	Nalgonda	Kangal	87.58
80	Nalgonda	Kattangoor	122.26	Over-Exploited	Nalgonda	Kattangoor	97.22
81	Nalgonda	Kondamallapally	77.14	Semi-Critical	Nalgonda	Kondamallapally	58.36
82	Nalgonda	Madugulapally	76.46	Semi-Critical	Nalgonda	Madugulapally	55.66
83	Nalgonda	Miryalaguda	79.05	Semi-Critical	Nalgonda	Miryalaguda	22.06
84	Nalgonda	Nakrekal	87.02	Semi-Critical	Nalgonda	Nakrekal	69.12
85	Nalgonda	Peddavura	115.43	Over-Exploited	Nalgonda	Peddavura	28.48
86	Nalgonda	Trunmalagiri Sagar	73.10	Semi-Critical	Nalgonda	Trunmalagiri Sagar	21.02
87	Nalgonda	Vemulapalle	118.32	Over-Exploited	Nalgonda	Vemulapalle	49.25
88	Narayanpet	Nava	91.59	Critical	Narayanpet	Nava	47.22
89	Nirmal	Dilavapur	73.08	Semi-Critical	Nirmal	Dilavapur	69.92
90	Nirmal	Nirmal Rural	70.87	Semi-Critical	Nirmal	Nirmal Rural	60.59
91	Nizamabad	Amur	101.56	Over-Exploited	Nizamabad	Amur	87.88
92	Nizamabad	Bodhan	71.99	Semi-Critical	Nizamabad	Bodhan	51.08
93	Nizamabad	Makoor	80.47	Semi-Critical	Nizamabad	Makoor	67.78
94	Nizamabad	Mupkal	101.90	Over-Exploited	Nizamabad	Mupkal	74.42
95	Nizamabad	Nandipet	74.75	Semi-Critical	Nizamabad	Nandipet	64.39
96	Nizamabad	Nizamabad North	107.80	Over-Exploited	Nizamabad	Nizamabad North	58.24
97	Peddapalli	Manthani	82.49	Semi-Critical	Peddapalli	Manthani	59.63
98	Rangareddy	Amangal	92.69	Critical	Rangareddy	Amangal	75.94
99	Rangareddy	Hayathnagar	88.80	Semi-Critical	Rangareddy	Hayathnagar	65.72
100	Rangareddy	Kadthal	91.84	Critical	Rangareddy	Kadthal	69.12
101	Rangareddy	Kondug	93.43	Critical	Rangareddy	Kondug	81.43
102	Rangareddy	Kothur	105.45	Over-Exploited	Rangareddy	Kothur	99.03
103	Rangareddy	Madul	83.59	Semi-Critical	Rangareddy	Madul	66.91
104	Rangareddy	Moinabad	96.31	Critical	Rangareddy	Moinabad	76.76
105	Rangareddy	Shabad	70.01	Semi-Critical	Rangareddy	Shabad	67.38
106	Rangareddy	Ameenapur	105.83	Over-Exploited	Rangareddy	Ameenapur	99.03
107	Rangareddy	Gummadidala	75.29	Semi-Critical	Rangareddy	Gummadidala	64.60
108	Rangareddy	Jharasangam	105.15	Over-Exploited	Rangareddy	Jharasangam	73.48
109	Rangareddy	Jinnaram	81.05	Semi-Critical	Rangareddy	Jinnaram	67.81
110	Rangareddy	Kalher	100.00	Critical	Rangareddy	Kalher	52.01
111	Rangareddy	Naykal	127.69	Over-Exploited	Rangareddy	Naykal	76.11
112	Rangareddy	Patancheru	104.29	Over-Exploited	Rangareddy	Patancheru	96.86

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
TELANGANA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
113	Sangareddy	Zahirabad	105.18	Over-Exploited	Sangareddy	Zahirabad	84.40
114	Siddipet	Beljanki	94.23	Critical	Siddipet	Beljanki	85.46
115	Siddipet	Chenyal	89.73	Critical	Siddipet	Chenyal	81.36
116	Siddipet	Chinnakodur	89.34	Semi-Critical	Siddipet	Chinnakodur	66.91
117	Siddipet	Doulatabad	93.79	Critical	Siddipet	Doulatabad	79.53
118	Siddipet	Dubbak	91.41	Critical	Siddipet	Dubbak	82.08
119	Siddipet	Galvel	84.50	Semi-Critical	Siddipet	Galvel	69.10
120	Siddipet	Jagadevur	95.30	Critical	Siddipet	Jagadevur	72.94
121	Siddipet	Komaravelly	95.61	Critical	Siddipet	Komaravelly	89.06
122	Siddipet	Kondapak	108.80	Over-Exploited	Siddipet	Kondapak	71.07
123	Siddipet	Maddur	114.76	Over-Exploited	Siddipet	Maddur	83.22
124	Siddipet	Markook	108.27	Over-Exploited	Siddipet	Markook	73.69
125	Siddipet	Mirdoddi	101.76	Over-Exploited	Siddipet	Mirdoddi	89.87
126	Siddipet	Mullug	103.89	Over-Exploited	Siddipet	Mullug	81.73
127	Siddipet	Nanganur	102.58	Over-Exploited	Siddipet	Nanganur	59.16
128	Siddipet	Ravapole	94.18	Critical	Siddipet	Ravapole	74.65
129	Siddipet	Siddipet Rural	91.70	Critical	Siddipet	Siddipet Rural	71.02
130	Siddipet	Siddipet Urban	89.36	Semi-Critical	Siddipet	Siddipet Urban	69.25
131	Siddipet	Wargal	100.38	Over-Exploited	Siddipet	Wargal	85.87
132	Suryapet	Amakur S	91.55	Critical	Suryapet	Amakur S	87.19
133	Suryapet	Chivemla	93.18	Critical	Suryapet	Chivemla	63.81
134	Suryapet	Mothev	92.04	Critical	Suryapet	Mothev	87.79
135	Suryapet	Nagaram	107.45	Over-Exploited	Suryapet	Nagaram	88.52
136	Vikarabad	Kotepally	73.25	Semi-Critical	Vikarabad	Kotepally	68.41
137	Wanaparthy	Amarchina	75.14	Semi-Critical	Wanaparthy	Amarchina	54.87
138	Wanaparthy	Ghanpur	80.20	Semi-Critical	Wanaparthy	Ghanpur	57.35
139	Wanaparthy	Gopalpeta	95.99	Critical	Wanaparthy	Gopalpeta	67.07
140	Wanaparthy	Pangal	74.34	Semi-Critical	Wanaparthy	Pangal	46.72
141	Wanaparthy	Peddemandadi	78.99	Semi-Critical	Wanaparthy	Peddemandadi	59.48
142	Wanaparthy	Revelly	84.37	Semi-Critical	Wanaparthy	Revelly	60.45
143	Wanaparthy	Wanaparthy	77.00	Semi-Critical	Wanaparthy	Wanaparthy	50.22
144	Warangal Rural	Chennaraopeta	78.24	Semi-Critical	Warangal Rural	Chennaraopeta	30.20
145	Warangal Rural	Duggondi	123.05	Over-Exploited	Warangal Rural	Duggondi	34.79
146	Warangal Rural	Geesugonda	95.00	Critical	Warangal Rural	Geesugonda	44.82
147	Warangal Rural	Nallabally	97.82	Critical	Warangal Rural	Nallabally	46.86
148	Warangal Rural	Nekkonda	75.75	Semi-Critical	Warangal Rural	Nekkonda	38.34
149	Warangal Rural	Parvathagiri	81.47	Semi-Critical	Warangal Rural	Parvathagiri	41.22
150	Warangal Rural	Raiparthy	123.91	Over-Exploited	Warangal Rural	Raiparthy	63.71
151	Warangal Rural	Sangem	95.63	Critical	Warangal Rural	Sangem	41.88
152	Warangal Rural	Wardhanapet	99.61	Critical	Warangal Rural	Wardhanapet	56.73
153	Warangal Urban	Elkathurthi	140.67	Over-Exploited	Warangal Urban	Elkathurthi	94.53
154	Warangal Urban	Kamalapur	77.39	Semi-Critical	Warangal Urban	Kamalapur	50.75
155	Warangal Urban	Khilla Warangal	120.06	Over-Exploited	Warangal Urban	Khilla Warangal	85.40
156	Yadadri Bhongiri	Bhongiri	94.51	Critical	Yadadri	Bhongiri	81.59
157	Yadadri Bhongiri	Choutuppal	74.06	Semi-Critical	Yadadri	Choutuppal	48.24
158	Yadadri Bhongiri	Raipet	92.98	Critical	Yadadri	Raipet	88.46
159	Yadadri Bhongiri	Ramannapeta	79.13	Semi-Critical	Yadadri	Ramannapeta	43.13
160	Yadadri Bhongiri	Turkapalle M	92.22	Critical	Yadadri	Turkapalle M	89.70

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
TELANGANA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Deteriorated			
1	Adilabad	Adilabad Urban	50.49	Safe	Adilabad	Adilabad Urban	77.46
2	Adilabad	Bheemipoor	50.93	Safe	Adilabad	Bheemipoor	72.42
3	Adilabad	Sirkonda	67.73	Safe	Adilabad	Sirkonda	71.02
4	Adilabad	Talamadugu	66.09	Safe	Adilabad	Talamadugu	77.46
5	Adilabad	Unur	58.81	Safe	Adilabad	Unur	74.06
6	Bhadradi Kothagudem	Aswarapeta	26.29	Safe	Bhadradi	Aswarapeta	76.15
7	Bhadradi Kothagudem	Chunchupally	14.18	Safe	Bhadradi	Chunchupally	73.34
8	Bhadradi Kothagudem	Julupad	59.17	Safe	Bhadradi	Julupad	73.34
9	Bhadradi Kothagudem	Kothagudem	45.89	Safe	Bhadradi	Kothagudem	73.34
10	Bhadradi Kothagudem	Manuguru	56.58	Safe	Bhadradi	Manuguru	77.10
11	Bhadradi Kothagudem	Sujathanagar	50.36	Safe	Bhadradi	Sujathanagar	73.34
12	Bhadradi Kothagudem	Yellandu	58.18	Safe	Bhadradi	Yellandu	72.12
13	Jagtial	Kodimal	94.78	Critical	Jagtial	Kodimal	112.46
14	Jagtial	Malil	78.65	Semi-Critical	Jagtial	Malil	109.35
15	Jangaon	Bachannapeta	96.44	Critical	Jangaon	Bachannapeta	105.83
16	Jangaon	Kodakandla	87.05	Semi-Critical	Jangaon	Kodakandla	106.10
17	Jangaon	Palakurthi	92.09	Critical	Jangaon	Palakurthi	105.37
18	Khammam	Kamepalle	61.48	Safe	Khammam	Kamepalle	75.49
19	Khammam	Penuballi	59.03	Safe	Khammam	Penuballi	71.39
20	Khammam	Satnapalle	36.14	Safe	Khammam	Satnapalle	82.17
21	Khammam	Singareni	62.27	Safe	Khammam	Singareni	85.97
22	Mahabubnagar	Garla	54.03	Safe	Mahabubnagar	Garla	72.61
23	Mahabubnagar	Bhothpur	57.49	Safe	Mahabubnagar	Bhothpur	73.52
24	Mahabubnagar	Chinna Chintha Kun	58.77	Safe	Mahabubnagar	Chinna Chintha Kun	73.55
25	Mahabubnagar	Devarakadara	62.82	Safe	Mahabubnagar	Devarakadara	74.79
26	Mahabubnagar	Gandee	68.31	Safe	Mahabubnagar	Gandee	74.12
27	Mahabubnagar	Jadcherla	68.28	Safe	Mahabubnagar	Jadcherla	76.68
28	Mahabubnagar	Kolkonda	65.24	Safe	Mahabubnagar	Kolkonda	74.90
29	Mahabubnagar	Mahabubnagar Rural	69.50	Safe	Mahabubnagar	Mahabubnagar Rural	75.21
30	Mahabubnagar	Mahabubnagar Urban	52.15	Safe	Mahabubnagar	Mahabubnagar Urban	73.31
31	Medak	Medak	46.63	Safe	Medak	Medak	75.02
32	Medak	Yeldurthy	55.69	Safe	Medak	Yeldurthy	74.88
33	Jayashankar	Tekumalla	61.61	Safe	Jayashankar	Tekumalla	70.77
34	Nagarkurnool	Charakonda	71.28	Semi-Critical	Nagarkurnool	Charakonda	100.62
35	Nagarkurnool	Kalwakurthy	78.71	Semi-Critical	Nagarkurnool	Kalwakurthy	95.87
36	Nagarkurnool	Ukonda	72.29	Semi-Critical	Nagarkurnool	Ukonda	96.00
37	Nagarkurnool	Vangoor	85.18	Semi-Critical	Nagarkurnool	Vangoor	93.89
38	Nagarkurnool	Veldanda	96.16	Critical	Nagarkurnool	Veldanda	100.29
39	Nalgonda	Chinthapalle	77.27	Semi-Critical	Nalgonda	Chinthapalle	92.29
40	Nalgonda	Devarakonda	66.29	Safe	Nalgonda	Devarakonda	78.89
41	Nalgonda	Gundlapalle	55.33	Safe	Nalgonda	Gundlapalle	79.04
42	Nalgonda	Marriguda	67.61	Safe	Nalgonda	Marriguda	82.33
43	Nalgonda	Nampalle	81.24	Semi-Critical	Nalgonda	Nampalle	94.74
44	Nalgonda	Narketpalle	54.95	Safe	Nalgonda	Narketpalle	90.25
45	Nalgonda	Neredugummu	64.88	Safe	Nalgonda	Neredugummu	86.50
46	Nalgonda	Thippurthi	61.95	Safe	Nalgonda	Thippurthi	73.94
47	Narayanpet	Dhanwada	65.87	Safe	Narayanpet	Dhanwada	75.28
48	Narayanpet	Narayanpet	34.64	Safe	Narayanpet	Narayanpet	71.69
49	Nirmal	Lokeswaram	39.11	Safe	Nirmal	Lokeswaram	71.90
50	Nizamabad	Balkonda	56.47	Safe	Nizamabad	Balkonda	83.43
51	Nizamabad	Dharpalle	67.33	Safe	Nizamabad	Dharpalle	88.54
52	Nizamabad	Indawai	65.54	Safe	Nizamabad	Indawai	83.64
53	Nizamabad	Jakranpalle	87.35	Semi-Critical	Nizamabad	Jakranpalle	94.21
54	Nizamabad	Kammarpalle	63.81	Safe	Nizamabad	Kammarpalle	92.66
55	Nizamabad	Mendora	47.55	Safe	Nizamabad	Mendora	87.12
							Deteriorated

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
TELANGANA							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Deteriorated			
56	Nizamabad	Rudrur	78.32	Semi-Critical	Nizamabad	Rudrur	100.04
57	Nizamabad	Varni	81.94	Semi-Critical	Nizamabad	Varni	95.31
58	Peddapalli	Srirampur	69.44	Safe	Peddapalle	Srirampur	93.59
59	Rajanna Sircilla	Boinipalle	65.12	Safe	Rajanna	Boinipalle	82.35
60	Rajanna Sircilla	Chandurthi	83.89	Semi-Critical	Rajanna	Chandurthi	98.82
61	Rajanna Sircilla	Ellanthakunta	84.36	Semi-Critical	Rajanna	Ellanthakunta	97.62
62	Rajanna Sircilla	Gambhirapeta	69.42	Safe	Rajanna	Gambhirapeta	114.40
63	Rajanna Sircilla	Konaraopeta	95.80	Critical	Rajanna	Konaraopeta	161.73
64	Rajanna Sircilla	Rudrangi	41.74	Safe	Rajanna	Rudrangi	91.94
65	Rajanna Sircilla	Veenapalle	70.77	Semi-Critical	Rajanna	Veenapalle	134.68
66	Rajanna Sircilla	Vemulawada	74.98	Semi-Critical	Rajanna	Vemulawada	166.41
67	Rajanna Sircilla	Vemulawada Rural	75.68	Semi-Critical	Rajanna	Vemulawada Rural	119.73
68	Rajanna Sircilla	Yellareddypeta	84.60	Semi-Critical	Rajanna	Yellareddypeta	103.23
69	Rangareddy	Abdullapurmet	62.42	Safe	Rangareddy	Abdullapurmet	77.54
70	Rangareddy	Chevella	63.02	Safe	Rangareddy	Chevella	74.34
71	Rangareddy	Gandipet	31.43	Safe	Rangareddy	Gandipet	88.15
72	Rangareddy	Maheshwaram	75.64	Semi-Critical	Rangareddy	Maheshwaram	92.61
73	Rangareddy	Nandigam	89.58	Semi-Critical	Rangareddy	Nandigam	98.65
74	Rangareddy	Serilingampally	99.32	Critical	Rangareddy	Serilingampally	101.30
75	Rangareddy	Yacharam	67.02	Safe	Rangareddy	Yacharam	87.76
76	Rangareddy	Manoor	68.73	Safe	Rangareddy	Manoor	71.11
77	Rangareddy	Ramachandrapuram	82.62	Semi-Critical	Rangareddy	Ramachandrapuram	121.89
78	Siddipet	Anthakapeta	77.40	Semi-Critical	Siddipet	Anthakapeta	100.28
79	Siddipet	Husnabad	76.51	Semi-Critical	Siddipet	Husnabad	93.94
80	Vikarabad	Marpalle	52.66	Safe	Vikarabad	Marpalle	76.02
81	Vikarabad	Mominpet	53.13	Safe	Vikarabad	Mominpet	71.88
82	Vikarabad	Peddemul	57.05	Safe	Vikarabad	Peddemul	72.02
83	Warangal Urban	Bheemadevarapalle	94.28	Critical	Warangal Urban	Bheemadevarapalle	121.40
84	Warangal Urban	Khazipet	60.97	Safe	Warangal Urban	Khazipet	85.40
85	Warangal Urban	Warangal	17.66	Safe	Warangal Urban	Warangal	72.90
86	Yadadri Bhongiri	Addaquadur	52.28	Safe	Yadadri	Addaquadur	85.15
87	Yadadri Bhongiri	Gundala	91.05	Critical	Yadadri	Gundala	103.37
88	Yadadri Bhongiri	Mootakondur	71.71	Semi-Critical	Yadadri	Mootakondur	92.18
89	Yadadri Bhongiri	Narayanapur	85.35	Semi-Critical	Yadadri	Narayanapur	92.22
90	Yadadri Bhongiri	Yadagiriquita	65.03	Safe	Yadadri	Yadagiriquita	91.28
							Deteriorated

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
UTTAR PRADESH							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
Improved							
1	Ambedkar Nagar	Baskhari	74.00	Semi-Critical	Ambedkar Nagar	Baskhari	67.83
2	Ambedkar Nagar	Bhiti	89.09	Semi-Critical	Ambedkar Nagar	Bhiti	68.48
3	Ambedkar Nagar	Jahangirganj	89.81	Semi-Critical	Ambedkar Nagar	Jahangirganj	57.61
4	Ambedkar Nagar	Katehari	74.03	Semi-Critical	Ambedkar Nagar	Katehari	61.50
5	Amroha	Dhanaura	104.43	Over-Exploited	Amroha	Dhanaura	97.09
6	Amroha	Gajraula	110.42	Over-Exploited	Amroha	Gajraula	98.04
7	Amroha	Hasanpur	111.60	Over-Exploited	Amroha	Hasanpur	92.35
8	Barabanki	Bani Kodar	80.40	Semi-Critical	Barabanki	Bani Kodar	65.64
9	Binaur	Jaleelpur	110.20	Over-Exploited	Binaur	Jaleelpur	92.02
10	Binaur	Noorpur	96.24	Critical	Binaur	Noorpur	89.93
11	Chitrakoot	Mankpur	70.66	Semi-Critical	Chitrakoot	Mankpur	65.54
12	Etah	Awadgarh	71.36	Semi-Critical	Etah	Awadgarh	68.32
13	Farrukhabad	Shamsabad	70.98	Semi-Critical	Farrukhabad	Shamsabad	68.15
14	Fatehpur	Bahua	71.40	Semi-Critical	Fatehpur	Bahua	69.07
15	Fatehpur	Dhata	71.49	Semi-Critical	Fatehpur	Dhata	64.02
16	Fatehpur	Haswa	74.96	Semi-Critical	Fatehpur	Haswa	63.55
17	Fatehpur	Hathgaon	73.37	Semi-Critical	Fatehpur	Hathgaon	66.28
18	G.B. Nagar	Jewar	108.81	Over-Exploited	G.B. Nagar	Jewar	98.36
19	Ghaziपुर	Mohammadabad	78.89	Semi-Critical	Ghaziपुर	Mohammadabad	57.87
20	Ghaziपुर	Varachakwar	72.96	Semi-Critical	Ghaziपुर	Varachakwar	68.35
21	Hamiपुर	Maudaha	80.22	Semi-Critical	Hamiपुर	Maudaha	54.39
22	Hapur	Hapur	112.42	Over-Exploited	Hapur	Hapur	96.87
23	Hapur	Simboli	102.44	Over-Exploited	Hapur	Simboli	96.87
24	Jaunpur	Badlapur	123.05	Over-Exploited	Jaunpur	Badlapur	92.64
25	Jaunpur	Baksha	96.15	Critical	Jaunpur	Baksha	80.16
26	Jaunpur	Dobhi	83.39	Semi-Critical	Jaunpur	Dobhi	66.57
27	Jaunpur	Karanja Kalan	100.64	Over-Exploited	Jaunpur	Karanja Kalan	79.34
28	Jaunpur	Kerakat	104.41	Over-Exploited	Jaunpur	Kerakat	87.85
29	Jaunpur	Maharajganj	113.25	Over-Exploited	Jaunpur	Maharajganj	93.16
30	Jaunpur	Muffiganj	95.83	Critical	Jaunpur	Muffiganj	86.90
31	Jaunpur	Ramnagar	81.35	Semi-Critical	Jaunpur	Ramnagar	64.30
32	Jaunpur	Rampur	71.36	Semi-Critical	Jaunpur	Rampur	67.98
33	Jaunpur	Sikara	103.87	Over-Exploited	Jaunpur	Sikara	76.21
34	Jaunpur	Sirkoni	104.46	Over-Exploited	Jaunpur	Sirkoni	78.30
35	Kanpur Nagar	Chaubepur	109.89	Over-Exploited	Kanpur Nagar	Chaubepur	97.91
36	Kanpur Nagar	Ghatampur	93.99	Critical	Kanpur Nagar	Ghatampur	88.59
37	Kanpur Nagar	Kanpur City	102.35	Over-Exploited	Kanpur Nagar	Kanpur City	94.49
38	Kanpur Nagar	Sasol	90.41	Critical	Kanpur Nagar	Sasol	87.59
39	Kasganj	Kasganj	99.19	Critical	Kasganj	Kasganj	87.51
40	Mathura	Baldeo	102.73	Over-Exploited	Mathura	Baldeo	95.79
41	Meerut	Kharkhoda	110.86	Over-Exploited	Meerut	Kharkhoda	97.36
42	Meerut	Machhra	114.91	Over-Exploited	Meerut	Machhra	95.04
43	Meerut	Meerut	91.70	Critical	Meerut	Meerut	86.93
44	Meerut	Paichhatgarh	90.94	Critical	Meerut	Paichhatgarh	85.68
45	Meerut	Rajpura	104.29	Over-Exploited	Meerut	Rajpura	95.52
46	Meerut	Saurpur	72.04	Semi-Critical	Meerut	Saurpur	68.12
47	Mirzapur	Chandey	93.63	Critical	Mirzapur	Chandey	77.89
48	Mirzapur	City	95.94	Critical	Mirzapur	City	88.10
49	Moradabad	Bhagatpur Tanda	94.95	Critical	Moradabad	Bhagatpur Tanda	88.43
50	Moradabad	Dilari	97.70	Critical	Moradabad	Dilari	82.68
51	Muzaffarnagar	Budhana	101.11	Over-Exploited	Muzaffarnagar	Budhana	99.21
52	Muzaffarnagar	Chathawal	95.11	Critical	Muzaffarnagar	Chathawal	89.54
53	Pratapgarh	Mandhata	107.37	Over-Exploited	Pratapgarh	Mandhata	95.65
54	Pratapgarh	Manjaura	91.28	Critical	Pratapgarh	Manjaura	82.02
							Improved

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
UTTAR PRADESH							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Improved			
55	Pratapgarh	Patti	95.06	Critical	Pratapgarh	Patti	81.37
56	Pratapgarh	Sadar	120.43	Over-Exploited	Pratapgarh	Sadar	95.02
57	Pratapgarh	Sandwa Chandika	138.73	Over-Exploited	Pratapgarh	Sandwa Chandika	94.44
58	Pratapgarh	Shivgarh	107.93	Over-Exploited	Pratapgarh	Shivgarh	90.56
59	Pratapgarh	Bahadurpur	90.75	Critical	Pratapgarh	Bahadurpur	84.10
60	Pratapgarh	Chaka	106.43	Over-Exploited	Pratapgarh	Chaka	93.29
61	Pratapgarh	Dhanupur	94.63	Critical	Pratapgarh	Dhanupur	85.78
62	Pratapgarh	Pratapgarh	91.46	Critical	Pratapgarh	Pratapgarh	86.99
63	Rae Bareilly	Rae Bareilly	79.99	Semi-Critical	Rae Bareilly	Saraini	66.30
64	Rampur	Chamraua	133.15	Over-Exploited	Rampur	Chamraua	94.46
65	S. Ravidas Nagar	Shadoli	91.35	Critical	S. Ravidas Nagar	Shadoli	74.97
66	S. Ravidas Nagar	Gyanpur	96.88	Critical	S. Ravidas Nagar	Gyanpur	85.42
67	Saharanpur	Deoband	91.90	Critical	Saharanpur	Deoband	86.12
68	Saharanpur	Muzaffarabad	92.74	Critical	Saharanpur	Muzaffarabad	86.27
69	Saharanpur	Nanauta	93.90	Critical	Saharanpur	Nanauta	87.50
70	Saharanpur	Rampur Maniharan	92.85	Critical	Saharanpur	Rampur Maniharan	89.74
71	Saharanpur	Sadhuli Kadeem	138.97	Over-Exploited	Saharanpur	Sadhuli Kadeem	91.76
72	Shamshah	Asmoli	94.41	Critical	Shamshah	Asmoli	82.67
73	Shamshah	Baholi	108.46	Over-Exploited	Shamshah	Baholi	92.08
74	Shamshah	Baniakhera	101.08	Over-Exploited	Shamshah	Baniakhera	92.44
75	Shamshah	Pawanra	102.61	Over-Exploited	Shamshah	Pawanra	92.59
76	Varanasi	Cholapur	71.18	Semi-Critical	Varanasi	Cholapur	68.65
77	Varanasi	Pindra	91.46	Critical	Varanasi	Pindra	83.27
							Improved

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)							
UTTAR PRADESH							
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020
				Deteriorated			
1	Agra	Agra City	93.37	Critical	Agra	Agra City	174.33
2	Agra	Akola	96.54	Critical	Agra	Akola	117.64
3	Agra	Bah	83.98	Semi-Critical	Agra	Bah	96.37
4	Agra	Jaitpur Kalan	65.13	Safe	Agra	Jaitpur Kalan	80.44
5	Azamgarh	Ahiraulla	69.76	Safe	Azamgarh	Ahiraulla	71.48
6	Azamgarh	Atraulia	65.94	Safe	Azamgarh	Atraulia	71.22
7	Azamgarh	Koilsa	69.28	Safe	Azamgarh	Koilsa	73.56
8	Azamgarh	Palhana	69.72	Safe	Azamgarh	Palhana	72.84
9	Azamgarh	Palhani	67.65	Safe	Azamgarh	Palhani	77.95
10	Azamgarh	Tarwa	65.03	Safe	Azamgarh	Tarwa	86.81
11	Bareilly	Majhgawa	68.84	Safe	Bareilly	Majhgawa	70.08
12	Bijnaur	Kotwali	68.70	Safe	Bijnaur	Kotwali	71.86
13	Budaun	Asalpur	97.06	Critical	Budaun	Asalpur	100.41
14	Bulandshahar	Arnia Khurd	88.53	Semi-Critical	Bulandshahar	Arnia Khurd	94.00
15	Bulandshahar	Bhawan Bahadur Nagar	97.84	Critical	Bulandshahar	Bhawan Bahadur Nagar	101.98
16	Etah	Aliganj	88.26	Semi-Critical	Etah	Aliganj	90.02
17	Etah	Sakit	69.34	Safe	Etah	Sakit	70.48
18	Fatehpur	Khajjuha	50.97	Safe	Fatehpur	Khajjuha	72.09
19	Firozabad	Eka	66.84	Safe	Firozabad	Eka	72.40
20	Firozabad	Jasrana	62.84	Safe	Firozabad	Jasrana	78.61
21	Hardoi	Todarpur	66.84	Safe	Hardoi	Todarpur	73.00
22	Hathras	Sikandra Rao	88.58	Semi-Critical	Hathras	Sikandra Rao	91.43
23	Kanpur Dehat	Derapur	48.86	Safe	Kanpur Dehat	Derapur	74.96
24	Kanpur Dehat	Jhinjhak	68.98	Safe	Kanpur Dehat	Jhinjhak	75.36
25	Kanpur Dehat	Maitha	67.78	Safe	Kanpur Dehat	Maitha	73.90
26	Kasganj	Gandundwara	77.10	Semi-Critical	Kasganj	Gandundwara	92.04
27	Kasganj	Pativali	64.40	Safe	Kasganj	Pativali	76.56
28	Mainpuri	Kurawali	68.57	Safe	Mainpuri	Kurawali	70.30
29	Mirzapur	Kon	98.14	Critical	Mirzapur	Kon	113.85
30	Mirzapur	Sikhar	85.44	Semi-Critical	Mirzapur	Sikhar	91.81
31	Sonbhadra	Nagawa	66.58	Safe	Sonbhadra	Nagawa	74.11
							Deteriorated

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
UTTARAKHAND									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
1	Udham Singh Nagar	Khatima	82.11	Semi-Critical	Udham Singh Nagar	Khatima	66.19	Safe	Improved

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
DAMAN & DIU									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
1	Diu	Diu	91.13	Critical	Diu	Diu	18.10	Safe	Improved
COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
DAMAN & DIU									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) In 2020	Categorization 2020	Remark
1	Daman	Daman	43.75	Safe	Daman	Daman	122.18	Over-Exploited	Deteriorated

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
LAKSHADWEEP									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
1	Lakshadweep	Agatti	73.57	Semi-Critical	Lakshadweep	Agatti	67.54	Safe	Improved

COMPARISON OF CATEGORIZATION OF ASSESSMENT UNITS (2020 AND 2017)									
PUDUCHERRY									
S. No	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2017	Categorization 2017	Name of District	Name of Assessment Unit	Stage of Ground Water Extraction (%) in 2020	Categorization 2020	Remark
1	Puducherry	Puducherry	102.00	Over-Exploited	Puducherry	Puducherry	98.81	Critical	Improved

REFERENCES

1. Central Ground Water Board (1995) Ground Water Resource of India. Ministry of Water Resources, Govt. of India, Faridabad.
2. Central Ground Water Board (2015) Report of the Ground Water Resource Estimation Committee Ministry of Water Resources, Govt. of India.
3. Central Ground Water Board (2002) Explanatory brochure - Hydrogeological Map of India. Ministry of Water Resources, Govt. of India, New Delhi.
4. Central Ground Water Board (2006) Dynamic Ground Water Resources of India (As on March, 2004). Ministry of Water Resources, Govt. of India.
5. Central Ground Water Board (2011) Dynamic Ground Water Resources of India (As on March, 2009). Ministry of Water Resources, Govt. of India.
6. Central Ground Water Board (2013) Dynamic Ground Water Resources of India (As on March 2011). Ministry of Water Resources, Govt. of India.
7. Central Ground Water Board (2017) Dynamic Ground Water Resources of India (As on March 2013). Ministry of Water Resources, Govt. of India.
8. Central Ground Water Board (2019) Dynamic Ground Water Resources of India (As on March 2017). Department of Water Resources, RD & GR, Ministry of Jal Shakti, Govt. of India
9. Central Ground Water Board (2009) Report of the Group for Suggesting New and Alternate Methods of Ground Water Resources Assessment. Ministry of Water Resources, Government of India. Faridabad.
10. Committee on the Methodology for Ground Water Resources Estimation in Hard Rock Terrain (2004) Methodology for Ground Water Resources Estimation in Hard Rock Terrain. Ministry of Water Resources, Govt. of India, New Delhi.
11. Government of India (2012) National Water Policy. Ministry of Water Resources, New Delhi.
12. Ministry of water Resources, River Development and Ganga Rejuvenation-Best Practices
13. "A year of Inclusive Development in Water Resources Sector", National water Mission, Ministry of water resources, River Development and Ganga Rejuvenation, Government of India
14. Ground Water Estimation Committee (1997) Ground Water Estimation Methodology – 1997. Ministry of Water Resources, River Development & Ganga Rejuvenation Govt. of India, NewDelhi
15. Rainfall Statistics of India 2018 of India Meteorological Department
16. NABARD (2006) Review of methodologies for estimation of ground water resources of India. Technical Services Department, NABARD,Mumbai.
17. R&D Advisory Committee on Ground Water Estimation (2009) Status report on review of ground water resources estimation methodology. Central Ground Water Board, Faridabad.

ABBREVIATIONS

ARDC	Agriculture Refinance and Development Corporation
CGWA	Central Ground Water Authority
CGWB	Central Ground Water Board
bcm	Billion cubic metre
CLEG	Central Level Expert Group for overall reassessment of ground water resource of the country
GEC-1997	Ground Water Resources Estimation Committee, 1997
GWRA- 2020	Ground Water Resources Assessment, 2020
GSDA	Ground Water Survey and Development Agency, Maharashtra
ham	Hectare metre
IMD	India Meteorological Department
LPA	Long Period Average
lps	Litres per second
m	Meter
m bgl	Meter below ground level
m ham	Million hectare metre
M.I.	Minor Irrigation
DOWR, RD & GR	Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, Govt. of India
NABARD	National Bank for Agricultural and Rural Development
NAQUIM	National Aquifer Mapping & Management Programme
UT	Union Territory

CONTRIBUTORS

Assessment of GW Resource of State/UT

Officers of Central Ground Water Board, Regional / State Unit Offices
& State Ground Water / Nodal Department for respective States/UTs.

National Compilation & Working Group

1. Dr. Ratikanta Nayak, Scientist-D, Central Ground Water Board, CHQ, Faridabad.
2. Dr. Ranjan Kumar Ray, Scientist-D, Central Ground Water Board, CHQ, Faridabad.
3. Dr. AVSS Anand, Scientist-D, Central Ground Water Board, RGI, Raipur.
4. Dr. M. Senthil Kumar, Scientist-C, Central Ground Water Board, CHQ, Faridabad.
5. Mrs Gargee B Sharma, Scientist-C, Central Ground Water Board, CHQ, Faridabad.
6. Miss. Subhra Satapathy, Scientist-B, Central Ground Water Board, CHQ, Faridabad

Overall Guidance & Supervision

Dr. P. Nandakumaran, Member (South), Central Ground Water Board, CHQ, Faridabad.

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development & Ganga Rejuvenation
Central Ground Water Authority

PUBLIC NOTICE

New Delhi, Dated 7th June, 2021

Sub: Implementation of scheme of artificial recharge of ground water / rain water harvesting in all stadiums owned or managed by Sports Authority of India / BCCI / State Cricket Associations – reg.

Whereas the Central Government constituted the Central Ground Water Authority (hereafter referred to as the Authority) vide notification Number S.O. 38(E), dated 14th January, 1997, followed by notification number S.O. 1124(E) dated 6th November, 2000 and S.O. 1121 (E) dated 13th May, 2010 of the Government of India in the Ministry of Environment & Forests, for the purposes of regulation and control of ground water development and management in the whole of India.

And whereas, the Central Government have authorized the Authority to issue directions under Section 5 of Environment (Protection) Act, in writing to any person, officer or any authority and such person, officer or authority shall be bound to comply with such directions;

And whereas, the Authority has issued regulatory directions in exercise of powers under Section 5 of the said Act vide letter no. 26-1/CGWA D1/09-744 dated 08.10.2009 for the implementation of scheme of ground water recharge of rainfall runoff occurring along/in various bodies including in the Stadiums by Sports Authority of India, BCCI, Department of Sports and Youth Affairs for promoting rain water harvesting/ adoption of artificial recharge to ground water in the country (except in the water logged areas).

And whereas, the Hon'ble NGT, New Delhi, under its Order dated 15.04.2021 in O.A. No. 94/2021 has directed MoJS to consider the issue of regulating extraction of ground water for maintenance of cricket play grounds and to ensure that effective rain water harvesting and water store/ recharging systems are installed in all play grounds to save the ground water.

Now therefore, the Central Ground Water Authority hereby directs that all such stadiums, cricket grounds, and other sports grounds/courts/fields/complexes/golf courses owned or managed by Sports Authority of India (under MoYAS) / BCCI / State Cricket Associations shall construct/install the appropriate mechanism for artificial recharge of ground water / rain water harvesting structures according to the guidelines issued by CGWB, within a period of 365 from the issuance of this public notice.

The above authorities shall obtain site-specific designs and other technical guidance from the Regional Director/Officer-in-charge of Central Ground Water Board or Ground Water Department of the State/UT.

The Regional Director/Officer-in-charge of Central Ground Water Board or Ground Water Department of the State/UT, upon request from the above authorities shall extend all necessary technical assistance/ design input.

The said Authorities shall intimate the action taken report to CGWA within a period of 90 days of completion of rainwater harvesting/ recharge structure.

Member
CGWA

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development & Ganga Rejuvenation
Central Ground Water Authority

PUBLIC NOTICE
New Delhi, Dated 20th July, 2021

Sub:- ATTENTION TO ALL USERS EXTRACTING GROUNDWATER FOR SWIMMING POOLS

Whereas the Central Government constituted the Central Ground Water Authority (hereafter referred to as the Authority) vide notification Number S.O. 38(E), dated 14th January, 1997, followed by notification number S.O. 1124(E) dated 6th November, 2000 and S.O. 1121 (E) dated 13th May, 2010 of the Government of India in the Ministry of Environment & Forests, for the purposes of regulation and control of ground water development and management in the whole of India.

And whereas the Authority has issued 'Guidelines to control and regulate ground water extraction in India' vide notification number 3289(E) dated 24th September, 2020.

And whereas, the Central Government have authorized the Authority to issue directions under Section 5 of Environment (Protection) Act, in writing to any person, officer or any authority and such person, officer or authority shall be bound to comply with such directions.

And whereas, the Hon'ble NGT, New Delhi, under its Order dated 16.04.2021 in O.A. No. 96/2021 has held that the Ministry of Jal Shakti may consider the extent to which groundwater extraction can be allowed for swimming pools in water deficit areas, as per data available with it.

Now therefore, the Central Ground Water Authority hereby directs that although individual domestic consumers are exempted from seeking No Objection Certificate for ground water extraction in both rural and urban areas, all such users, whether existing or new, extracting ground water for swimming

pools, shall be required to seek No Objection Certificate from Central Ground Water Authority or, the concerned State/ UT Ground Water Authority, as per the CGWA Guidelines dated 24.09.2020. The users extracting ground water for swimming pools shall include Residential Apartments, Group Housing Societies, Townships, Bungalows/Villas, Farmhouses, Clubs, Hotels, Resorts, Sports/Swimming Complexes, Swimming Academies, Schools and other such Institutions. No NOC shall be granted for ground water abstraction for swimming pools for new users in over-exploited areas.

The entire process of grant of No Objection Certificate shall be online through a web based application system and the **applications for NOC can be submitted through online portal of CGWA (<http://cgwa-noc.gov.in>) or respective State, as the case may be.** The existing users extracting ground water for swimming pools are required to submit the application for NOC within 365 days from the issuance of this public notice.

This is to bring to the notice of all users extracting ground water for swimming pools that:

1. No Objection Certificate for the extraction of ground water for swimming pools shall be granted only in such cases where the local Government water supply agency is unable to supply requisite amount of water in the area.
2. All such users shall be required to pay ground water abstraction/ restoration charges for the quantum of ground water proposed to be extracted, as per rates mentioned in the CGWA Guidelines.
3. Installation of digital water flow meter (conforming to BIS/ IS standards) having telemetry system in the abstraction structure(s) shall be mandatory for all such users seeking No Objection Certificate for the extraction of ground water for swimming pools and intimation regarding their installation shall be communicated to the CGWA or respective State, as the case may be, within 30 days of grant of No Objection Certificate through the web-portal. The users shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
4. All such users extracting ground water shall install roof top rain water harvesting & recharge systems in the premises as per the prevailing building bye laws in the respective State/ Union Territory. Users will have to ensure that water from the swimming pools is not used for ground water recharge.
5. Extraction of ground water for swimming pools without a valid No Objection Certificate from appropriate authority shall be considered illegal and such users shall be liable to pay Environmental Compensation for the quantum of ground water so extracted as per Section 15 of the CGWA Guidelines.

6. In case of violation of any of the No Objection Certificate conditions, the proponents shall be liable to pay the penalties as per Section 16 of the CGWA Guidelines.
7. To monitor the compliance of No Objection Certificate conditions, District Collectors/Deputy Commissioners (DCs) /District Magistrates (DMs) are authorized to take enforcement measures like sealing of illegal wells, disconnection of electricity, launching of prosecution against those violating the No Objection Certificate conditions and taking action for imposition of Environmental Compensation. Technical officers of CGWB/ CGWA and State groundwater organizations are authorized to take actions with respect to monitoring and periodic inspections with the approval of competent authority.

Member
CGWA



Ardhendumauli Prasad <mail@ardhendumauli.com>

O.A. No. 176 of 2015 : Shailesh Singh Versus Hotel Holdiday Regency, Moradabad & Ors

1 message

Chambers of Mr. Ardhendumauli Kr. Prasad <mail@ardhendumauli.com>Wed, Jan 12, 2022 at 6:44 PM

To: pradeepmisra@yahoo.com, rashtriyasamasya@gmail.com

Respected sir,

Please find attached an Additional Affidavit on behalf of the Central Ground Water Authority (CGWA) in the above-captioned matter.
Kindly treat this as an effective service.

Regards,
Ashish Madaan
Advocate
FOR:
Mr. Ardhendumauli Kumar Prasad
Advocate on Record
Supreme Court of India

Office:
A-52, Sector 17A,
NOIDA - 201301
India
Ph: +91 120 2488 800
+91 120 2488 801
+91 120 2488 802

*****Disclaimer*****

Confidentiality: This message and any attachments are confidential and may be privileged or otherwise protected from disclosure. If you are not the intended recipient, please telephone or email the sender and delete this message and any attachments from your system. If you are not the intended recipient you must not copy this message or attachment or disclose the contents to any other person.

 **Addl Affidavit_OA 176 of 2015 Shailesh Singh Versus Hotel Holiday Regency, Moradabad & Ors.pdf**
9009K