Joint Inspection Report in O.A no. 515/2022 titled as Dharamvir V/s State of Haryana &Anr.pending before Hon'ble National Green Tribunal

1.0 PREFACE

The Hon'ble National Green Tribunal inO.A no. 515/2022 titled as Dharamvir V/s State of Haryana & Anr passed following orders;

> *"3. Prima facie, the allegations made in the application raise questions relating to environment arising out of the implementation of the enactments specified in Schedule-Ito the National Green Tribunal Act, 2010. In view of the allegations made in the application, we consider it appropriate that a Joint Committee be constituted to verify the factual position and take remedial action. Accordingly, we constitute a Joint Committee comprising of representatives of the Additional Chief Secretaries/Principal Secretaries, Departments of Jal Shakti, Environment and Industry and PCBs of both the States of Himachal Pradesh and Haryana and Deputy Commissioners, Nahan (Himachal Pradesh) and Ambala and Kurukshetra (Haryana) and direct the same to meet within three weeks, undertake visits to the site, look into the grievances of the applicant, associate the applicant and representatives of the concerned project proponents, verify the factual position and take appropriate remedial action by following due process of law and submit its Factual and Action Taken Report within three month by email at judicial-ngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF. The PCBs of the States of Himachal Pradesh and Haryana will be the nodal agencies for coordination and compliance."*

In compliance to Hon'ble National Green Tribunal (NGT) orders, The Member Secretary, HPSPCB vide office letter no. HPSPCB/OA No. 515/2022 Dharamvir/202212613-18 dated 17.09.2022 and the Member Secretary, HSPCB vide letter no. I/133653/2022 dated 15.09.2022 asked all concerned departments to nominate their representative(s) for the joint inspection. The copies of letters are annexed herewith as **Annexure 1.**

2.0 INSPECTION BY JOINT COMMITTEE

The River Markanda at Kala Amb as mentioned by the applicant in the petition was inspected by the joint committee on dated 21.09.2022 and dated 21.10.2022 respectively.

River Markanda

It is a tributary of the River Ghaggar, which is supposed to be a part of the ancient Vedic Saraswati River basin system. There is a large historic temple on the bank of the river, which is called Markandeshwar, after the name of the famous Maharshi Markandeya. This is a small river of Nahan area, in the Sirmaur District, Himachal Pradesh. River Markanda enters Kala Amb at Bikram Bag and leaves at Sadhora Bridge. It covers a distance of about 24 KM in Himachal Pradesh from Rukhri to Kala Amb, thereafter the river covers a distance of approx. 130 KM in Haryana before joining River Ghaggar at Ismailabad downstream of Shahbad.

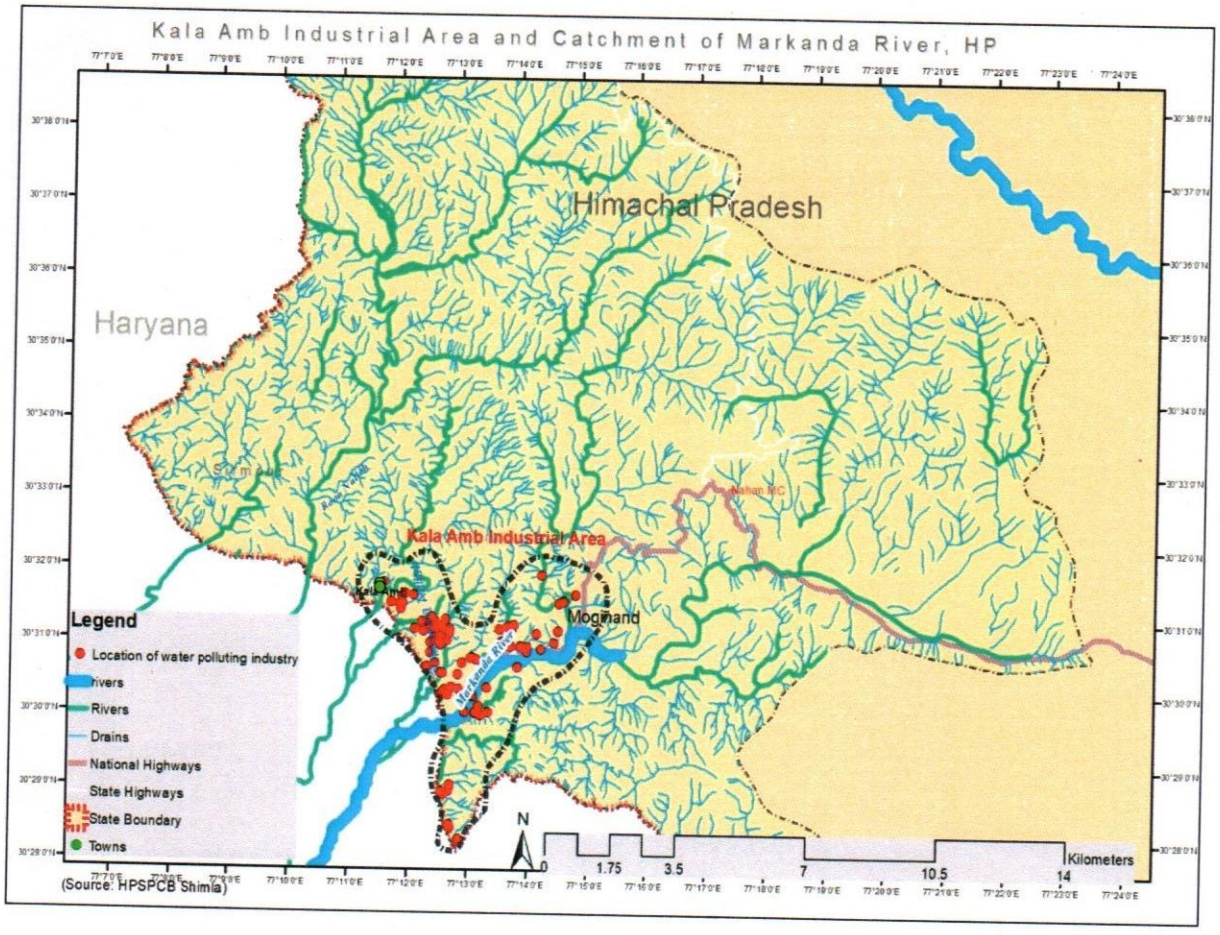


Figure 1: Digital Map showing Catchment Area of River Markanda at Kala Amb

2.1 FIRST INSPECTION BY JOINT COMMITTEE ON 21.09.2022.

The joint committee assembled at Jattanwala nallah visited the spot on dated 21.09.2022. The copy of attendance sheet is annexed herewith as **Annexure-2.**

Sr. No.	Name of Officer/Designation	Department
1	Sh. Mukesh Gupta, HOD (Engg.)	Representative of the Additional Chief Secretary to Government of Haryana, Industries & Commerce Department.
2	Sh. Nitin Mehta, Regional Officer	Haryana State Pollution Control Board, Regional Office, Ambala
3	Sh. A.K. Raghuvanshi, S.E SYL Ambala	Representative of the Commissioner & Secretary to Government of Haryana, Irrigation & Water Resource Department (Jal Shakti)
4	Sh. Nitish Chandel, Sub Divisional Officer	Irrigation Department, Naraingarh
5	Sh. Sukhram, Scientist-B	Haryana State Pollution Control Board, Regional Office, Ambala

6	Sh. Ajay Chaudhary, A.D.A	Representative of the Additional Chief Secretary to Government of Haryana, Environment & Climate Change Department.
7	Ms. Aditi, S.D.M Naraingarh	Representative of Deputy Commissioner, Ambala.
8	Sh. Rajiv Prasad, H.C.S	Representative of Deputy Commissioner, Kurukshetra.
9	Sh. Dharamvir	Complainant.
10	Er. Pawan Sharma, Regional Officer	HP State Pollution Control Board, Regional Office Sirmaur at Paonta Sahib
11	Er. Anil Kumar, Assistant Environmental Engineer	HP State Pollution Control Board, Sub Regional Office, Kala Amb
12	Er. Maneet Bhardwaj, Assistant Engineer	Jal Shakti Vibhag, Nahan, District Sirmaur, HP
13	Sh. Rakesh Kumar, Assistant General Manager	M/s Ruchira Paper limited, Kala Amb

The joint committee inspected the entire stretch of the nallah till its ultimate confluence into River Markanda. The surface water samples of Jattanwala nallah and River Markanda were also collected jointly by HP State Pollution Control Board (HPSPCB) and Haryana State Pollution Control Board (HSPCB). The applicant has mentioned in his petition that *"One paper mill is also causing environmental pollution/degradation by discharging its waste water through illegally constructed drain in river Markanda".*In this context, the joint committee visited/inspected the paper manufacturing industry in the name & style of M/s Ruchira Paper Limited, village Rampur Jattan, Trilokpur road Kala Amb which is discharging treated effluent from ETP-cum-STP into Jattanwala Nallah and water samples of final outlet of ETP-cum-STP of M/s Ruchira Paper Limited were collected jointly by HP State Pollution Control Board and Haryana State Pollution Control Board. The joint committee did not found any illegal drain in the name of "Kaimi drain" which goes into River Markanda as alleged.

Water Quality Goals as per the existing provisions or guidelines/ specifications of Central Pollution Control Board (Primary Water Quality Criteria for Bathing Water)

In a water body or its part, water is subjected to several types of uses. Depending on the types of uses and activities, water quality criteria have been specified to determine its suitability for a particular purpose. Among the various types of uses there is one use that demands highest level of water quality or purity and that is termed as "Designated Best Use" in that stretch of water body. Based on this, water quality requirements have been specified for different uses in terms of primary water quality criteria. The primary water quality criteria for bathing water are specified along with the rationale in **Table 1.**

Pawan

Table 1: Primary Water Quality Criteria for Bathing Water(Water used for organised outdoor bathing)

Sr. No.	Parameters	Primary Water Quality Criteria
1.	pH	6.5 to 8.5
2.	Dissolved Oxygen (DO)	5mg/l or more
3.	Biochemical Oxygen Demand 5 days 20C	3mg/l or less
4.	Faecal Coliform	MPN/100ml shall be 500 (desirable) and 2500 (Maximum Permissible)

The analysis results of samples collected by HP State Pollution Control Boardare tabulated in **Table - 2**;

Table 2 (HPSPCB): Analysis Results of Jattanwala Nallah and River Markanda

Sr. No.	Point of Collection	Parameters				
		DO (mg/l)	BOD (mg/l)	FC (MPN/100 ml)	pH	Class
1.	Jattanwala nallah (Exit Point of H.P)	2.3	27	4200	7.23	
2.	River Markanda under Sadhoura Road Bridge (exit point of Himachal Pradesh)	7.1	1	40	8.33	Meeting the Primary Water Quality Criteria
3.	River Markanda after confluence of Jattanwala nallah.	4.5	1.6	79	7.80	

The analysis results of samples collected by Haryana State Pollution Control Board are tabulated below as**Table –3 (HSPCB)**;

Table 3 (HSPCB): Analysis Results of Jattanwala Nallah and River Markanda

Sr. No.	Point of Collection	Parameters				
		DO (mg/l)	BOD (mg/l)	FC (MPN/100 ml)	pH	Class
1	Jattanwala nallah (Exit Point of H.P)	BDL	28	--	7.66	--
2	River Markanda under Sadhora Road Bridge (exit point of Himachal Pradesh)	8.6	6	--	7.8	--
3	River Markanda after confluence of Jattanwala nallah.	2.4	21	--	7.93	--

(The sample analysis results dated 07.10.2022 are annexed herewith as **Annexure-3.)**

The joint committee also inspected the paper manufacturing industry in the name & style of M/s Ruchira Paper Limited, village Rampur Jattan, Kala Amb which is discharging treated effluent into Jattanwala nallah. M/s Ruchira Paper Limited has installed ETP-cum-STP of capacity 6000 KLD. The aforementioned unit has also installed Online Continuous Effluent Monitoring System (OCEMS) at final outlet of ETP-cum-STP which is further connected with servers of HPSPCB and Central Pollution Control Board (CPCB). The real time data of final outlet is being transmitted to HPSPCB and CPCB Servers. The calibration certificate of OCEMS is valid upto 13.12.2022 and same is annexed herewith as **Annexure-4.** The team of HP State Pollution Control Board and Haryana State Pollution Control Board jointly collected the sample of final outlet of ETP-cum-STP of the Paper Mill. The analysis report of HP State Pollution Control Board is tabulated in **Table -4.** The analysis report of Haryana State Pollution Control Board is tabulated in **Table -5.**

Table -4 (HPSPCB): Analysis Results of Final outlet of ETP cum STP of M/s Ruchira Paper Limited.

Sr. No.	Point of Collection					
		Parameter	**TSS (mg/l)**	**COD (mg/l)**	**BOD (mg/l)**	**pH**
		Prescribed Standards	**100**	**250**	**30**	**5.5. to 9.0**
1.	Final Outlet of ETP-cum-STP of M/s Ruchira Paper limited	Analysis Results	38.0	136.0	13	8.09

Table -5 (HSPCB): Analysis Results of Final outlet of ETP cum STP of M/s Ruchira Paper Limited.

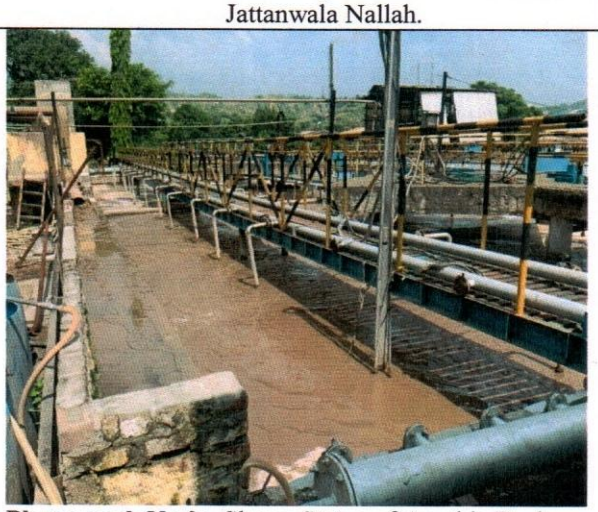
Sr. No.	Point of Collection		**Parameter**			
		Parameter	**TSS (mg/l)**	**COD (mg/l)**	**BOD (mg/l)**	**pH**
		Prescribed Standards	**100**	**250**	**30**	**5.5. to 9.0**
1.	Final Outlet of ETP cum STP of M/s Ruchira Paper limited.	Analysis Results	45	148	16	8.09

The paper industry is complying with the discharge norms prescribed under the Environment (Protection) Act, 1986. The sample analysis report issued vide lab report no. 7237130/W-4706, dated 07.10.2022 (HPSPCB)& Report no. 6984 dated 07.10.2022 (HSPCB) are annexed herewith as **Annexure-5.**

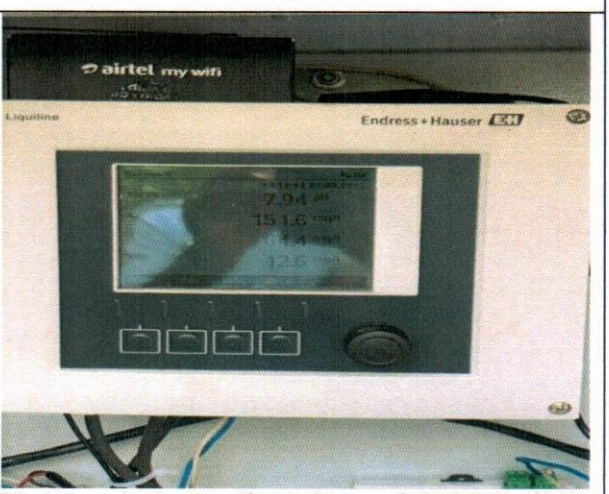
Inspection Photographs

Photograph No.1:- Shows Status of Joint Committee, Complainant and Representative of the Paper Mill Assembled at Jattanwala Nallah.

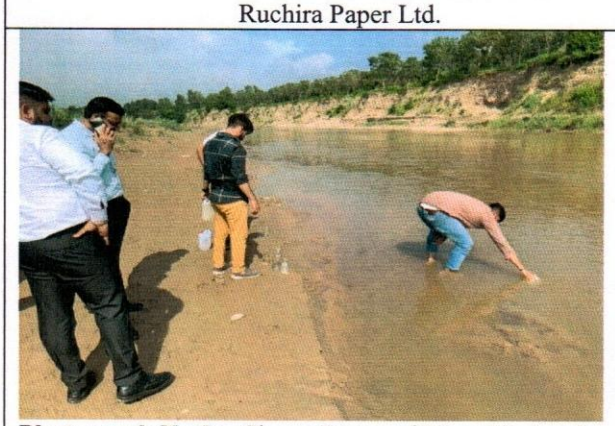
Photograph No 2.:- Shows Status of Sampling of Jattanwala Nallah.



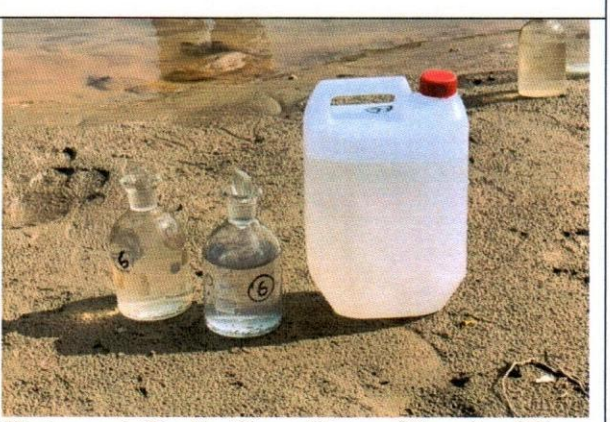
Photograph No 3:- Shows Status of Aerobic Tank Part of ETP-cum-STP of M/s Ruchira Paper Ltd.



Photograph No. 4:- Shows Status of OCEMS of M/s Ruchira Paper Limited



Photograph No 5:- Shows Status of River Markanda after confluence of Jattanwala Nallah



Photograph No. 6:- Shows Status of Sample of River Markanda after confluence of Jattanwala Nallah

2.2 SECOND INSPECTION BY JOINT COMMITTEE ON 21.10.2022.

The joint committee assembled at Common Facility Centre (Department of Industries H.P), Industrial Area Kala Amb, Tehsil Nahan, District Sirmaur, H.P.The following officers visited the spot on dated 21.10.2022. The copy of attendance sheet is annexed herewith as **Annexure-6.**

Sr. No.	Name of Officer/Designation	Department
1.	Sh. Lalit Jain, I.A.S, Director	Department of Environment, Science and Technology, GoHP.
2.	Ms. Jayasharadha, I.A.S, S.D.M, Naraingarh.	Representative of Deputy Commissioner, Ambala.
3.	Sh. Kapil Sharma, S.D.M, Shahabad, Kurukshetra.	Representative of Deputy Commissioner, Kurukshetra.
4.	Er. Vishal Jaswal, Superintending Engineer	Jal Shakti Vibhag, Nahan, District Sirmaur.
5.	Sh. Gian Singh Chauhan, Joint Director Industries	Department Industry Centre, Nahan, District Sirmaur.
6.	Er. Ashish Rana, Executive Engineer	Jal Shakti Vibhag, Nahan, District Sirmaur
7.	Er. Maneet Bhardwaj, Assistant Engineer	Jal Shakti Vibhag, Nahan, District Sirmaur, HP
8.	Sh. Kamal Rohel, Naib-Tehsildar	Representative of Deputy Commissioner, Sirmaur
9.	Er. Pawan Sharma, Regional Officer	HP State Pollution Control Board, Regional Office District Sirmaur at Paonta Sahib
10.	Er. Anil Kumar, Assistant Environmental Engineer	HP State Pollution Control Board, Sub Regional Office, Kala Amb
11.	Ms. Anuradha Puri, Field Kanungo	Department of Revenue, H.P.
12.	Sh. Dinesh Kumar, VRO Trilokpur	Department of Revenue, H.P.
13.	Sh. Nitin Mehta, Regional Officer	Haryana State Pollution Control Board, Regional Office, Ambala
14.	Sh. Nitish Chandel, Sub Divisional Officer	Representative of the Commissioner & Secretary to Government of Haryana, Irrigation & Water Resource Department (Jal Shakti)
15.	Sh. Sukhram, Scientist-B	Haryana State Pollution Control Board, Regional Office, Ambala
16.	Sh. Ajay Chaudhary, A.D.A	Representative of the Additional Chief Secretary to Government of Haryana, Environment & Climate Change Department.
17.	Sh. Rohit Kanwar, AGM	Representative of the Additional Chief Secretary to Government of Haryana, Industries & Commerce Department.

The joint committee inspected the Jattanwala nallah, River Markanda Up-stream (u/s) Jattanwala Nallah and river Markanda after confluence to Jattanwala Nallah. The surface water samples of Jattanwala nallah and River Markanda were also collected by HP State Pollution Control Board (HPSPCB)and Haryana State Pollution Control Board (HSPCB). The analysis reports of HP State Pollution Control Board (HPSPCB) are tabulated below as **Table 6** and Haryana State Pollution Control Board (HSPCB) is tabulated below as **Table 7:**

Table 6 (HPSPCB): Analysis results of Jattanwala Nallah and River Markanda

Sr. No.	Point of Collection	Parameters				
		DO (mg/l)	BOD (mg/l)	FC (MPN/100 ml)	pH	Class
1	Jattanwala nallah (Exit Point of HP)	2.5	16	108000	7.16	--
2	River Markanda under Sadhoura Road Bridge (exit point of Himachal Pradesh)	8.5	1.8	480	7.81	Meeting the Primary Water Quality Criteria
3	River Markanda after confluence of Jattanwala nallah and other drains carrying civic waste of Haryana part.	8.0	2.9	1750	7.74	

Table 7 (HSPCB): Analysis results of Jattanwala Nallah and River Markanda

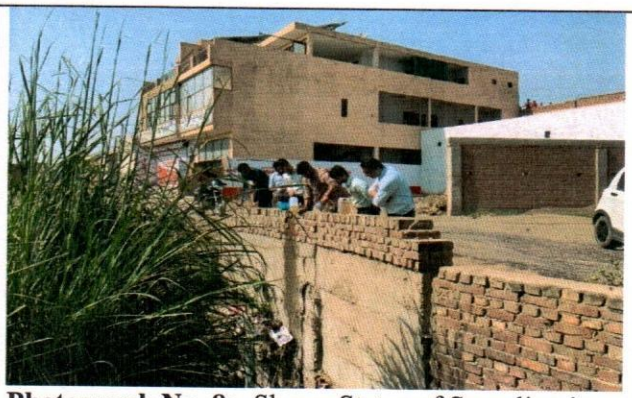
Sr. No.	Point of Collection	Parameters				
		DO (mg/l)	BOD (mg/l)	FC (MPN/100 ml)	pH	Class
1	Jattanwala nallah (Exit Point of HP)	3.0	22	96000	7.32	--
2	River Markanda under Sadhora Road Bridge (exit point of Himachal Pradesh)	7.8	2.2	400	7.48	--
3	River Markanda after confluence of Jattanwala nallah.	7.2	3.4	1200	7.88	--

The analysis results of water quality of River Markanda at exit point of Himachal Pradesh and after confluence of Jattanwala Nallah into River Markanda in Haryana State are meeting the Primary Water Quality Criteria for bathing water (Water used for organised outdoor bathing) prescribed under The Environment (Protection) Rules, 1986.The parameter Faecal Coliform (FC) at River Markanda after confluence of Jattanwala nallah in Haryana State has been found 1750 MPN/100 ml (as per HPSPCB report) and 1200 MPN/100 ml (as per HSPCB report) against desirable standard of 500 MPN/100 ml, but meeting the maximum permissible criteria of 2500 MPN/100 ml. The parameters Biochemical Oxygen Demand (BOD), Dissolved Oxygen

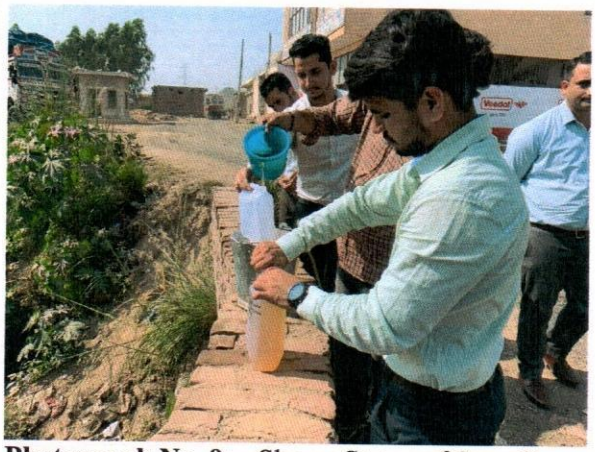
(DO), Faecal Coliform and pH is meeting the Primary Water Quality Criteria for bathing water (Water used for organised outdoor bathing) prescribed under The Environment (Protection) Act, 1986.The sample analysis results dated 02.11.2022 are annexed herewith as **Annexure-7**.

Photographs dated 21.10.2022.

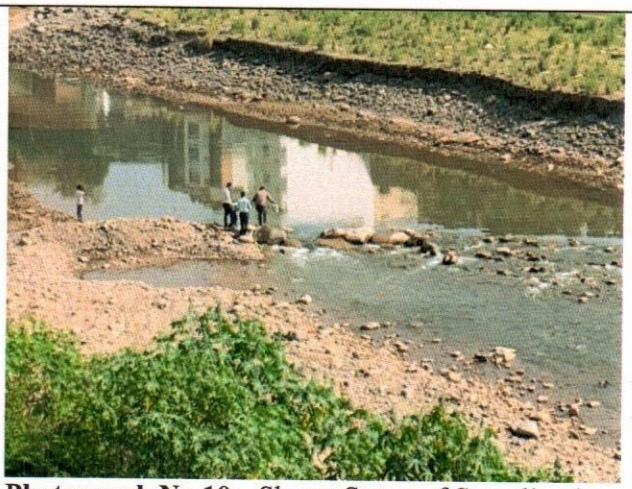
Photograph No.7:- Shows Status of Joint Committee Assembled at CFC Centre



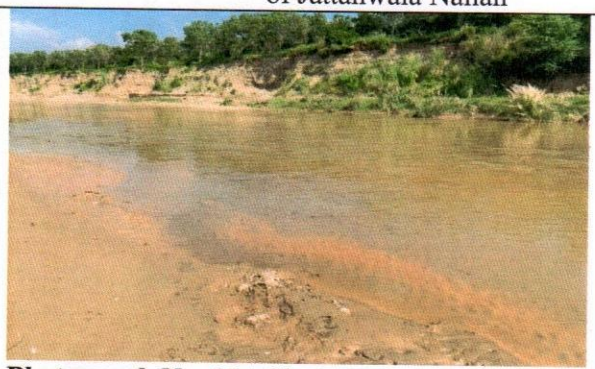
Photograph No. 8:- Shows Status of Sampling in Jattanwala Nallah



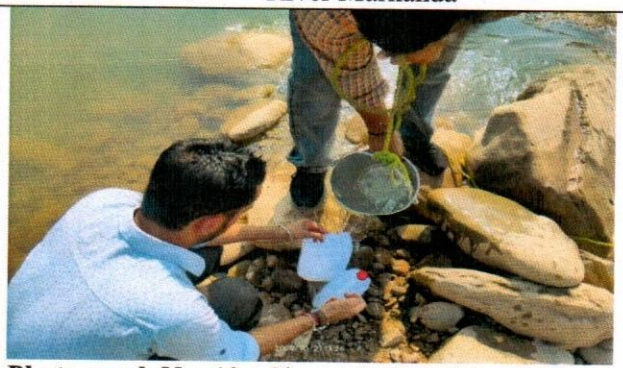
Photograph No. 9:- Shows Status of Sampling of Jattanwala Nallah



Photograph No.10:- Shows Status of Sampling in River Markanda



Photograph No. 11:- Shows appearance status of River Markanda after confluence of Jattanwala Nallah



Photograph No. 12:- Shows Status of Sampling of River Markanda after confluence of Jattanwala Nallah

OBSERVATIONS OF JOINT COMMITTEE

The following observations were made by the joint committee :-

1. No untreated waste water discharge by any industrial unit through illegally constructed drain/ by-pass structure into River Markanda was observed.

2. The Paper Mill i.e. M/s Ruchira Paper Limited, village Jattanwala Nallah, Trilokpur road Kala Amb was found complying to the discharge norms prescribed under The Environment (Protection) Act, 1986.

3. The water quality of River Markanda was meeting the Primary Water Quality Criteria for bathing water (Water used for organised outdoor bathing) prescribed under The Environment (Protection) Act, 1986. The joint committee was apprised about the projects such as CETP-cum-STP Kala Amb and Sewerage Treatment Plant Trilokpur are underway and about to commission shortly, which will further improve the water quality of River Markanda.

4. HPSPCB is regularly monitoring the ground water quality of Kala Amb area. No ground water contamination is found in Kala Amb area. The copy of ground water results for Financial Year 2021-22 are annexed herewith as **Annexure-8**.

5. As per draft report of CPCB regarding polluted river stretches for restoration of water quality (2022), there is continuous improvement in water quality of River Markanda and has upgraded the status from priority Class-II to priority Class-V. The copy of draft report is annexed herewith as **Annexure 9.**

6. The joint committee agreed that the concerned Regional officers of both the State Boards shall file the report on behalf of their respective States.

The present report of the joint committee is being submitted before the Hon'ble National Green Tribunal for consideration.

Regional Officer, HSPCB
Ambala

Regional Officer, HPSPCB,
District Sirmaur at Paonta Sahib

11/2022

Annexure - 1

H.P. STATE POLLUTION CONTROL BOARD,
PHASE-III, NEW SHIMLA-171 009.

No. HPSPCB/OA No. 515/2022 Dharamvir /2022-12615-18 Dated:- 17.09.22

To

1. The Deputy Commissioner, Nahan
   District Sirmour Himachal Pradesh.
2. The Regional Officer,
   HPSPCB Paonta Sahib Distrct Sirmour HP

Subject: OA No. 515/2022 titled as Dharamvir V/s State of Haryana & Anr. in the Hon'ble National Green Tribunal New Delhi.

Sir,

Please find enclosed herewith copy of letter dated 15-9-2022 received from Senior Environmental Engineer, Haryana State Pollution Control Board alongwith copy of order dated 1-9-2022 passed by Hon'ble NGT in the afore-cited matter related to alleged discharge of industrial waste of factories of Kala Amb located at Trilokpur road through Kaimi drain in River Markanda. The Hon'ble NGT has passed following directions in this matter:-

".....Accordingly, we constitute a Joint Committee comprising of representatives of the Additional Chief Secretaries/Principal Secretaries, Departments of Jal Shakti, Environment and Industry and PCBs of both the States of Himachal Pradesh and Haryana and Deputy Commissioners, Nahan (Himachal Pradesh) and Ambala and Kurukshetra (Haryana) and direct the same to meet within three weeks, undertake visits to the site, look into the grievances of the applicant, associate the applicant and representatives of the concerned project proponents, verify the factual position and take appropriate remedial action by following due process of law and submit its Factual and Action Taken Report within three month by email at judicial-ngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF. The PCBs of the States of Himachal Pradesh and Haryana will be the nodal agencies for coordination and compliance.....".

In this connection, you are requested to comply with afore-cited directions and associate with the aforesaid Joint Committee including site visits to verify the factual position and take remedial action as may be required by the Hon'ble NGT. The action taken report be filed under intimation to this office.

This be treated as most urgent.

(Encl. As above)

(Apoorv Devgan, IAS)
Member Secretary,

PCB-E007/33/2022-LEGAL SECTION-STATE POLLUTION CONTROL BOARD

I/157611/2022

HPSPCB Shimla

Copy forwarded to:

1. The Addl. Chief Secretary, Environment, S&T, Govt of HP Shimla-171002. He is requested to nominate his representative to associate with the Joint Committee to inspect the site.
2. The Principal Secretary, Industry, Govt of HP Shimla-171002. He is requested to nominate his representative to associate with the Joint Committee to inspect the site.
3. The Secretary, Jal Shakti Vibhag, Govt of HP Shimla-171002. He is requested to nominate his representative to associate with the Joint Committee to inspect the site.
4. The Senior Environmental Engineer, Haryana State Pollution Control Board C-11, Sector-6 Panchkula in reference to his letter dated 15-9-2022. It is informed that Regional Officer HPSPCB Paonta Sahib Sh. Pawan Sharma (Mob. 82196-29439) shall act as Nodal Officer of HP State Pollution Control Board in this matter.
5. The AEE-I (HQ) for information and necessary action.

Signed by Apoorv Devgan
Date: 16-09-2022 17:40:11
(Apoorv Devgan, IAS)
Member Secretary,
HPSPCB

Pawan

I/133652/2022

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-2577870-73 E-mail: see2hspcb@gmail.com

Date:15/09/2022

To

1. The Deputy Commissioner, Ambala.
2. The Deputy Commissioner, Kurukshetra.

Sub:- O.A. No. 515/2022 titled as Dharamvir V/s State of Haryana & Anr. in the Hon'ble National Green Tribunal, New Delhi.

Kindly refer to NGT order dated 01.09.2022 in O.A. No. 515/2022 titled as Dharamvir V/s State of Haryana & Anr. in the Hon'ble National Green Tribunal, New Delhi on the subject noted above.

In this connection, it is intimated that Sh. Dharmveer S/o Sh.Om Prakash, R/o House No. 521/13 Milk Road, Krishna Colony, Narayangarh, Ambala filed a complaint in Hon'ble National Green Tribunal regarding pollution in river Markanda at Narayangarh tehsil, Ambala on dated 23.04.2022 due to industrial wastewater coming out from the industrial area at Kala Amb, Himachal Pradesh. The Hon'ble National Green Tribunal took a suo moto on the complaint and hearing was done on 01.09.2022 in the matter of Dharamvir V/s State of Haryana & Anr. and accordingly order was passed on dated 01.09.2022, the main part of the order is reproduced as under:-

"We constitute a Joint Committee comprising of representatives of the Additional Chief Secretaries/Principal Secretaries, Departments of Jal Shakti, Environment and Industry and PCBs of both the States of Himachal Pradesh and Haryana and Deputy Commissioners, Naha n (Himachal Pradesh) and Ambala and Kurukshetra (Haryana) and direct the same to meet within three weeks, undertake visits to the site, look into the grievances of the applicant, associate the applicant and representa ives of the concerned project proponents, verify the factual position and take appropriate remedial action by following due process of law and submit its Factual and Action Taken Report within three month by e- mail at judicial-ngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF. The PCBs of the States of Himachal Pradesh and Haryana will be the nodal agencies for coordination and compliance."

In view of above, I have been directed to request you to undertake visit of the site in question and to verify the factual position on the date finalised by the committee constituted, so that meeting/inspection of the committee may take

place before 21st September, 2022 as per direction of the Hon'ble National Green Tribunal. Regional Officer, Ambala, Haryana State Pollution Control Board has been nominated as representative on behalf of the Board for coordination being Nodal Agency as per order of Hon'ble National Green Tribunal till the final action taken report be submitted in the above said case.

DA/- Copy of Hon'ble National Green Tribunal order dated 01.09.2022.

CC

A copy of the above is forwarded to the Regional Officer, Ambala to coordinate with the committee members for meetings/visits in the above said matter being representative on behalf of the Board.

CC

A copy of the above is forwarded to the following for information please:-

1. PS to Chairman.
2. PA to Member Secretary.

SENIOR ENVIRONMENTAL ENGINEER
For Chairman

Signed by Balraj Singh
Date: 15-09-2022 13:31:38
Reason: Approved

I/133653/2022

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-2577870-73 E-mail: see2hspcb@gmail.com

Date:15/09/2022

To

1. The Additional Chief Secretary to Government of Haryana,
   Industries & Commerce Department.
2. The Additional Chief Secretary to Government of Haryana,
   Environment & Climate Change Department.
3. The Commissioner & Secretary to Government of Haryana,
   Irrigation & Water Resources Department(Jal Shakti).

Sub:-To nominate representative in O.A. No. 515/2022 titled as Dharamvir V/s State of Haryana & Anr. in the Hon'ble National Green Tribunal, New Delhi.

Kindly refer to NGT order dated 01.09.2022 in O.A. No. 515/2022 titled as Dharamvir V/s State of Haryana & Anr. in the Hon'ble National Green Tribunal, New Delhi on the subject noted above.

In this connection, it is intimated that Sh. Dharmveer S/o Sh.Om Prakash, R/o House No. 521/13 Milk Road, Krishna Colony, Narayangarh, Ambala filed a complaint in Hon'ble National Green Tribunal regarding pollution in river Markanda at Narayangarh tehsil, Ambala on dated 23.04.2022 due to industrial wastewater coming out from the industrial area at Kala Amb, Himachal Pradesh. The Hon'ble National Green Tribunal took a suo moto on the complaint and hearing was done on 01.09.2022 in the matter of Dharamvir V/s State of Haryana & Anr. and accordingly order was passed on dated 01.09.2022, the main part of the order is reproduced as under:-

"We constitute a Joint Committee comprising of representatives of the Additional Chief Secretaries/Principal Secretaries, Departments of Jal Shakti, Environment and Industry and PCBs of both the States of Himachal Pradesh and Haryana and Deputy Commissioners, Nah an (Himachal Pradesh) and Ambala and Kurukshetra (Haryana) and direct the same to meet within three weeks, undertake visits to the site,

look into the grievances of the applicant, associate the applicant and representa tives of the concerned project proponents, verify the factual position and take appropriate remedial action by following due process of law and submit its Factual and Action Taken Report within three month by e- mail at judicial-ngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF. The PCBs of the States of Himachal Pradesh and Haryana will be the nodal agencies for coordination and compliance."

In view of above, I have been directed to request your goodself to nominate a representative on your behalf to visit the site in question and to verify the factual position, so that meeting/inspection of the committee may take place before 21st September, 2022 and for further meetings/inspections till the final action taken report be submitted in the said case.

DA/- Copy of Hon'ble National Green Tribunal order dated 01.09.2022.

CC

A copy of the above is forwarded to the following for information please:-

1. PS to Chairman.
2. PA to Member Secretary.

SENIOR ENVIRONMENTAL ENGINEER
For Chairman

Signed by Balraj Singh
Date: 15-09-2022 13:30:59
Reason: Approved

I/133651/2022

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-2577870-73 E-mail: see2hspcb@gmail.com

Date:15/09/2022

To

The Member Secretary,
Himachal State Pollution Control Board,
Him Parivesh, Phase 3, New Shimla, Shimla,
Himachal Pradesh 171009.

Sub:-To nominate representative in O.A. No. 515/2022 titled as Dharamvir V/s State of Haryana & Anr. in the Hon'ble National Green Tribunal, New Delhi.

Kindly refer to NGT order dated 01.09.2022 in O.A. No. 515/2022 titled as Dharamvir V/s State of Haryana & Anr. in the Hon'ble National Green Tribunal, New Delhi on the subject noted above.

In this connection, it is intimated that Sh. Dharmveer S/o Sh.Om Prakash, R/o House No. 521/13 Milk Road, Krishna Colony, Narayangarh, Ambala filed a complaint in Hon'ble National Green Tribunal regarding pollution in river Markanda at Narayangarh tehsil, Ambala on dated 23.04.2022 due to industrial wastewater coming out from the industrial area at Kala Amb, Himachal Pradesh. The Hon'ble National Green Tribunal took a suo moto on the complaint and hearing was done on 01.09.2022 in the matter of Dharamvir V/s State of Haryana & Anr. and accordingly order was passed on dated 01.09.2022, the main part of the order is reproduced as under:-

"We constitute a Joint Committee comprising of representatives of the Additional Chief Secretaries/Principal Secretaries, Departments of Jal Shakti, Environment and Industry and PCBs of both the States of Himachal Pradesh and Haryana and Deputy Commissioners, Naha n (Himachal Pradesh) and Ambala and Kurukshetra (Haryana) and direct the same to meet within three weeks, undertake visits to the site, look into the grievances of the applicant, associate the applicant and representa ives of the concerned project proponents, verify the factual position and take appropriate remedial action by following due process of law and submit its Factual and Action Taken Report within three month by e- mail at judicial-ngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF. The PCBs of the States of Himachal Pradesh and Haryana will be the nodal agencies for coordination and compliance."

In view of above, I have been directed to request you to nominate

representatives on your behalf as per direction of Hon'ble national Green Tribunal order dated 01.09.2022 passed in the above said matter and also direct the representative of Himachal Pradesh Pollution Control Board to coordinate with the Regional Officer, Ambala Sh. Nitin Mehta, Contact No. 9467575075 being representative on behalf of Haryana State Pollution Control Board so that meeting/inspection of the committee may take place before 21st September, 2022 and for further meetings/inspections till the final action taken report be submitted in the said case.

DA/- Copy of Hon'ble National Green Tribunal order dated 01.09.2022.

CC

A copy of the above is forwarded to the Regional Officer, Ambala to coordinate with the committee members for meetings/visits in the above said matter being representative on behalf of the Board.

CC

A copy of the above is forwarded to the following for information please:-

1. PS to Chairman.
2. PA to Member Secretary.

SENIOR ENVIRONMENTAL ENGINEER
For Chairman

Signed by Balraj Singh
Date: 15-09-2022 13:32:02
Reason: Approved

Annexure – 2

Attendance for Meeting / visit & sampling in the matter of O.A. 515/2022 titled as Dharamvir v/s State of Haryana & Anr. held on 21/9/2022

Sr. No.	Name of the Officers	Department	Mobile No.	Signature
1	Mukesh Gupta, HOD(Engg)	HSIIDC / Industries Deptt	9996259028	[signature]
2.	Nitin Mehta, R.O.	HSPCB Ambala	9467575075	[signature]
3.	A.K. Raghuvanshi SE Sy[illegible] Amb.	IWRD Haryana	9896399886	[signature]
4.	Nikhil Chandel, SDO	SDO Irrigation Naraingarh	9779666073	[signature]
5.	Dharamvir	Complainant	9416667776	[signature]
6.	Surender, SEB	HSPCB Ambala	9468303062	[signature] 21/9/2022
7.	Ajay Chaudhary, A.D.A.	Environment & Climate Change Deptt, Haryana	9416859100	Ajay Chau[illegible] 21/9/[illegible]
8.	Aditi, SDM Ngh	Representative of DC Amb	9896574775	Aditi
9.	Rakesh Kumar (AGM(EHS))	Aachina Papers Ltd.	8053800801	[signature]
10.	Pawan Sharma, R.O	HPSPCB, Distt. Sirmaur	9418364049	[signature]
11.	Maneet Bhardwaj AE	JSV S[illegible] Nahan	94184-40937	[signature]
12.	Rajiv Prashad, HCS	representative of D.C Kurukshetra	8054003009	Rajiv Prashad
13.	Anil Kumar, AEE	HPSPCB Kala Amb	9805142034	[signature]
14.				
15.				

Annexure-3 (collectively)

FORM -X

REPORT BY STATE BOARD ANALYST

(See Rule 26)

Report No. W-1657

Date:07.10.202

I hereby certify that I, Sunil Kr. Rana, State Board Analyst duly appointed under sub-section (3 of section 53 of the Water (Prevention & Control of Pollution) Act,1974 (6 of 1974) received on the 22nd day o September, 2022 from Sh. Pawan Sharma, AEE, HPSPCB, Paonta Sahib a Grab sample of Jattan Wala Nallah (Exi point of Himachal Pradesh) for analysis.The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample from 22-09-2022 to 07-10 2022.The results of the analysis reported below.

Method of analysis

IS- 2488(I-V), IS-3025 (Part 44):1933, "Standard Method for the Examination of Water", 22th Edition prepared & published jointly by:-

1. American Public Health Association.
2. American Water Works Association.
3. Water Pollution Control Federation.

S.No.	Parameter	Results	Unit	S.No.	Parameter	Results	Unit
1	pH	7.23		22	Temperature (T)	---	°C
2	Conductivity	---	µmho/cm	23	Antimony (Sb)	---	mg/l
3	FDS	---	mg/l	24	TKN	---	mg/l
4	DO*	2.3	mg/l	25	Mercury (Hg)	---	mg/l
5	COD	148.0	mg/l	26	Arsenic (As)	---	mg/l
6	BOD	27.0	mg/l	27	Selenium	---	mg/l
7	Sulphate(SO_4)	---	mg/l	28	Manganese(Mn)	---	mg/l
8	NO_3-N	---	mg/l	29	Fluoride (F)	---	mg/l
9	Chloride (Cl)	---	mg/l	30	Vanadium as V	---	mg/l
10	Sodium (Na)	---	mg/l	31	Potassium(K)	---	mg/l
11	Total Hardness	---	mg/l	32	Phenol	---	mg/l
12	Total Iron (Fe)	---	mg/l	33	Sulphide (S)	---	mg/l
13	Total Chromium	---	mg/l	34	Total Res. Chlorine	---	mg/l
14	Zinc (Zn)	---	mg/l	35	NH_3-N	---	mg/l
15	Copper (Cu)	---	mg/l	36	Chromium $^{+6}$	---	mg/l
16	Nickel (Ni)	---	mg/l	37	T.PO_4	---	mg/l
17	Lead (Pb)	---	mg/l	38	Boron (B)	---	mg/l
18	Cadmium (Cd)	---	mg/l	39	TC	16800.0	MPN/100 ml
19	Total Cyanide	---	mg/l	40	FC	4200.0	MPN/100 ml
20	Oil & Grease	---	mg/l	41	Ca++	---	mg/l
21	TDS	---	mg/l	42	Mg++	---	mg/l

*** As reported by collecting officer**

The condition of the seals, fastening and container on receipt was as: Sealed as PCB

Signed on this 07th day of October, 2022

State Board Analyst

From : H.P. STATE POLLUTION CONTROL BOARD
Regional Laboratory, Paonta Sahib, Sirmour-173025

To: Assistant Environmental Engineer,
HPSPCB, Regional Office, Paonta Sahib

FORM -X -15-

REPORT BY STATE BOARD ANALYST

(See Rule 26)

Report No. W-1659

Date:07.10.202:

I hereby certify that I, Sunil Kr. Rana, State Board Analyst duly appointed under sub-section (3 of section 53 of the Water (Prevention & Control of Pollution) Act,1974 (6 of 1974) received on the 22nd day c September, 2022 from Sh. Pawan Sharma, AEE, HPSPCB, Paonta Sahib a Grab sample of River Markanda unde bridge, Sadhoura Road (Exit Point of Himachal Pradesh) for analysis.The sample was in a condition fit for analysi reported below:

I further certify that I have analysed the aforementioned sample from 22-09-2022 to 07-1(2022.The results of the analysis reported below.

Method of analysis

IS- 2488(I-V), IS-3025 (Part 44):1933, "Standard Method for the Examination of Water", 22th Edition prepared & published jointly by:-

1. American Public Health Association.
2. American Water Works Association.
3. Water Pollution Control Federation.

S.No.	Parameter	Results	Unit	S.No.	Parameter	Results	Unit
1	pH	8.33		22	Temperature (T)	---	°C
2	Conductivity	---	µmho/cm	23	Antimony (Sb)	---	mg/l
3	FDS	---	mg/l	24	TKN	---	mg/l
4	DO*	7.1	mg/l	25	Mercury (Hg)	---	mg/l
5	COD	4.0	mg/l	26	Arsenic (As)	---	mg/l
6	BOD	1.0	mg/l	27	Selenium	---	mg/l
7	Sulphate(SO_4)	---	mg/l	28	Manganese(Mn)	---	mg/l
8	NO_3-N	---	mg/l	29	Fluoride (F)	---	mg/l
9	Chloride (Cl)	---	mg/l	30	Vanadium as V	---	mg/l
10	Sodium (Na)	---	mg/l	31	Potassium(K)	---	mg/l
11	Total Hardness	---	mg/l	32	Phenol	---	mg/l
12	Total Iron (Fe)	---	mg/l	33	Sulphide (S)	---	mg/l
13	Total Chromium	---	mg/l	34	Total Res. Chlorine	---	mg/l
14	Zinc (Zn)	---	mg/l	35	NH_3-N	---	mg/l
15	Copper (Cu)	---	mg/l	36	Chromium $^{+6}$	---	mg/l
16	Nickel (Ni)	---	mg/l	37	$T.PO_4$	---	mg/l
17	Lead (Pb)	---	mg/l	38	Boron (B)	---	mg/l
18	Cadmium (Cd)	---	mg/l	39	TC	350.0	MPN/100 ml
19	Total Cyanide	---	mg/l	40	FC	40.0	MPN/100 ml
20	Oil & Grease	---	mg/l	41	Ca++	---	mg/l
21	TDS	---	mg/l	42	Mg++	---	mg/l

*** As reported by collecting officer**

The condition of the seals, fastening and container on receipt was as: Sealed as PCB

Signed on this 07th day of October, 2022

State Board An

From : H.P. STATE POLLUTION CONTROL BOARD
Regional Laboratory, Paonta Sahib, Sirmour-173025

To: Assistant Environmental Engineer,
Regional Office,HPSPCB,Paonta Sahib.

FORM -X
REPORT BY STATE BOARD ANALYST
(See Rule 26)

Report No. [illegible]1661 Date:07.10.2022

I hereby certify that I, Sunil Kr. Rana, State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention & Control of Pollution) Act,1974 (6 of 1974) received on the 22nd day of September, 2022 from Sh. Pawan Sharma, AEE, HPSPCB, Paonta Sahib a Grab sample of River Markanda after confluence of Jattan Wala Nallah and other drains carrying civic waste of Haryana part for analysis.The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample from 22-09-2022 to 07-10-2022.The results of the analysis reported below.

Method of analysis

IS- 2488(I-V), IS-3025 (Part 44):1933, "Standard Method for the Examination of Water", 22th Edition prepared & published jointly by:-
1. American Public Health Association.
2. American Water Works Association.
3. Water Pollution Control Federation.

S.No.	Parameter	Results	Unit	S.No.	Parameter	Results	Unit
1	pH	7.80		22	Temperature (T)	---	^0C
2	Conductivity	---	µmho/cm	23	Antimony (Sb)	---	mg/l
3	FDS	---	mg/l	24	TKN	---	mg/l
4	DO*	4.5	mg/l	25	Mercury (Hg)	---	mg/l
5	COD	8.0	mg/l	26	Arsenic (As)	---	mg/l
6	BOD	1.6	mg/l	27	Selenium	---	mg/l
7	Sulphate(SO_4)	---	mg/l	28	Manganese(Mn)	---	mg/l
8	NO_3-N	---	mg/l	29	Fluoride (F)	---	mg/l
9	Chloride (Cl)	---	mg/l	30	Vanadium as V	---	mg/l
10	Sodium (Na)	---	mg/l	31	Potassium(K)	---	mg/l
11	Total Hardness	---	mg/l	32	Phenol	---	mg/l
12	Total Iron (Fe)	---	mg/l	33	Sulphide (S)	---	mg/l
13	Total Chromium	---	mg/l	34	Total Res. Chlorine	---	mg/l
14	Zinc (Zn)	---	mg/l	35	NH_3-N	---	mg/l
15	Copper (Cu)	---	mg/l	36	Chromium $^{+6}$	---	mg/l
16	Nickel (Ni)	---	mg/l	37	$T.PO_4$	---	mg/l
17	Lead (Pb)	---	mg/l	38	Boron (B)	---	mg/l
18	Cadmium (Cd)	---	mg/l	39	TC	430.0	MPN/100 ml
19	Total Cyanide	---	mg/l	40	FC	79.0	MPN/100 ml
20	Oil & Grease	---	mg/l	41	Ca++	---	mg/l
21	TDS	---	mg/l	42	Mg++	---	mg/l

* As reported by collecting officer

The condition of the seals, fastening and container on receipt was as: Sealed as PCB

Signed on this 07th day of October, 2022

State Board Analyst

From : H.P. STATE POLLUTION CONTROL BOARD
Regional Laboratory, Paonta Sahib, Sirmour-173025

To: Assistant Environmental Engineer,
Regional Office,HPSPCB,Paonta Sahib.

Type of Sample:-**Monitoring**

Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Dated : 07.10.2022

Report No. 6982

Issued to **M/s Jatton Wala Nallah coming from Himachal Pradesh Near- Kala Amb, (AMB-RDQ-018)**

Description: Received on **21-September-2022** a sample of **Drain** collected by **Sh. Nitin Mehta,RO alongwith team constituted by Hon'ble NGT** collected from **Surface Water** of the factory on **21 - September-2022**. The sample has been analysed from **21-September- 2022 to 07- October-2022.**

Sr. No.	Parameter Name	Result	Result	Limit
1.	Sample Code	10435		
2.	Sample Collected from	Drain		
3.	Color	Yellowish		
4.	Odour	Mild		
5.	pH value	7.66		
6.	Total Suspended Solids mg/l	124.0		
7.	BOD (3 days at 27°C) mg/l	28.0		
8.	COD (mg/l)	160.0		
9.	Oil & Grease (mg/)	BDL(DL=2)		
10.	Conductivity (u S/cm)	2940.0		
11.	Dissolved Oxygen mg/l	BDL(DL=1)		
12.	Ammonical- N (mg/l)	BDL(DL=05)		
13.	Nitrate – N (mg/l)	BDL(DL=05)		
14.	Nitrite NO2 (mg/l)	0.58		
15.	Total Dissolved Solid (mg/l)	1610.0		
16.	Turbidity NTU	6.38		
17.	Chloride (mg/l)	56.0		
18.	Sodium Absorption Ration	4.05		
19.	Boron(mg/l)	BDL(DL=0.5)		
20.	Total Phosphate (mg/l)	0.42		

JSA1 Manjali

JSA2 Megha Ranga

Neeraj Bala
Laboratory In-charge
Neeraj Bala

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB

CC to Regional Office: **Ambala.** The test report relate only to the particular sample submitted for testing.

Type of Sample:-Monitoring

Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Dated : 07.10.2022

Report No. 6981

Issued to M/s Upstream of Markanda River at Kala Amb, (AMB-RDQ-017)

Description: Received on 21-September-2022 a sample of Drain collected by Sh. Nitin Mehta,RO alongwith team constituted by Hon'ble NGT collected from Surface Water of the factory on 21 - September-2022. The sample has been analysed from 21-September- 2022 to 07- October-2022.

Sr. No.	Parameter Name	Result	Result	Limit
1.	Sample Code	10434		
2.	Sample Collected from	Drain		
3.	Color	A.Colourless		
4.	Odour	Odourless		
5.	pH value	7.84		
6.	Total Suspended Solids mg/l	41.0		
7.	BOD (3 days at 27°C) mg/l	6.0		
8.	COD (mg/l)	32.0		
9.	Oil & Grease (mg/)	BDL(DL=2)		
10.	Conductivity (u S/cm)	406.0		
11.	Dissolved Oxygen mg/l	8.6		
12.	Ammonical- N (mg/l)	BDL(DL=05)		
13.	Nitrate – N (mg/l)	BDL(DL=05)		
14.	Nitrite NO2 (mg/l)	BDL(DL=0.05)		
15.	Total Dissolved Solid (mg/l)	220.0		
16.	Turbidity NTU	2.48		
17.	Chloride (mg/l)	18.0		
18.	Sodium Absorption Ration	1.02		
19.	Boron(mg/l)	BDL(DL=0.5)		
20.	Total Phosphate (mg/l)	0.44		

JSA1 Manjali

JSA2 Megha Ranga

Laboratory In-charge Neeraj Bala

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB

CC to Regional Office: Ambala. The test report relate only to the particular sample submitted for testing.

Type of Sample:-**Monitoring**

Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 6983

Dated : 07.10.2022

Issued to **M/s Down Stream of Markanda River after mixing Jatton Wala Nallah coming from Himachal Pradesh Near- Kala Amb, (AMB-RDQ-019 & NWMP-1884)**

Description: Received on **21-September-2022** a sample of **Drain** collected by **Sh. Nitin Mehta,RO alongwith team constituted by Hon'ble NGT** collected from **Surface Water** of the factory on **21 - September-2022**. The sample has been analysed from **21-September- 2022 to 07- October-2022.**

Sr. No.	Parameter Name	Result	Result	Limit
1.	Sample Code	10436		
2.	Sample Collected from	Drain		
3.	Color	Hazy		
4.	Odour	A.Odourless		
5.	pH value	7.93		
6.	Total Suspended Solids mg/l	84.0		
7.	BOD (3 days at 27°C) mg/l	21.0		
8.	COD (mg/l)	96.0		
9.	Oil & Grease (mg/)	BDL(DL=2)		
10.	Conductivity (u S/cm)	493.0		
11.	Dissolved Oxygen mg/l	2.4		
12.	Ammonical- N (mg/l)	BDL(DL=05)		
13.	Nitrate – N (mg/l)	BDL(DL=05)		
14.	Nitrite NO2 (mg/l)	BDL(DL=0.05)		
15.	Total Dissolved Solid (mg/l)	262.0		
16.	Turbidity NTU	3.94		
17.	Chloride (mg/l)	28.0		
18.	Sodium Absorption Ration	2.06		
19.	Boron(mg/l)	BDL(DL=0.5)		
20.	Total Phosphate (mg/l)	0.31		

JSA1 Manjali

JSA2 Megha Ranga

Neeraj Bala
Laboratory In-charge
Neeraj Bala

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB

CC to Regional Office: **Ambala.** The test report relate only to the particular sample submitted for testing.

Annexure - 4

HANU Scientific

Website: - www.hanuscientific.com

Certificate of Calibration
Issued By: Hanu Scientific
Date of issue: 14-09-2022

Certificate No. Hanu/WQMS/E&H/001
Valid till 13-12-2022

Customer	:	Ruchira Papers Ltd.
Location	:	Kala Amb
State	:	Himachal Pradesh

Instrument Details: -

Sr. No.	Description	Location	Manufacturer	Model No.	Serial No.	Procedure
1	WQMS	ETP	Endress + Hauser	CM442-5K11/0	T2018F05G00	Lab Analysis

Parameter Details: -

Sr. No.	Parameter	Sampling result	Value Pre-Calibration	Value Post-Calibration
1	pH	7.5	7.8	7.6
2	COD	170	175	169
3	BOD	18	20	18
4	TSS	30	35	30

Comments: -

1. pH sensor is calibrated with buffer solution 4.0/7.0/9.0.
2. Optical lens of COD/BOD/TSS sensor cleaned with solutions.
3. Calibration is done as per sample result.

Issuer Authority
Rajan Singh

Dedicated Analytical Solutions
HANU Scientific
Present Address155- B, B-10, First Floor,
Sector- 34, Noida- 201307
India

E-mail: sales@hanuscientific.com

hanuscientific@gmail.com

Registered Address: - A 1, OJASWI COMPLEX, 0, BALLUPUR CHOWK, Uttarakhand, 248001

Annexure-5

H.P.STATE POLLUTION CONTROL BOARD
FORM X
REPORT BY STATE BOARD ANALYST
(See Rule 26)

Report No: 7237130/W-4706 **07/10/2022**

I hereby certify that I **Sunil Rana, SO,** State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on **22/09/2022** from **Naveen Rajpoot, JEE,** HP State Pollution Control Board **RO Paonta** a **Grab** sample of **Final Outlet of ETP cum STP** of **Ruchira Papers Ltd (Kraft Paper Unit), Tirlokpur Road Kala Amb Nahan Distt Sirmour--Kala Amb, Nahan** Distt. **Sirmaur,** H.P. **173030** on dated **21/09/2022** for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analyzed the aforementioned sample on **22/09/2022** to **07/10/2022** and declare the result of analysis is to be as follows :-

Method of analysis					
IS- 2488(I-V), IS-3025(Part 44): 1933, 'Standard method for examination of water', 22th edition prepared and published jointly by:-					
1. American Public Health Association 2. American Water Works Association 3. Water Pollution Control Federation					
SAMPLING PARAMETERS					
Sr. No.	**Parameter Name**	**Results**	**Units**	**Permissible Limit**	**Remark/Result Analysis**
1	pH	8.09		5.5-9.0	Within Permissible Limit
2	BOD	13.0	mg/L	30	Within Permissible Limit
3	TSS	38.0	mg/L	100	Within Permissible Limit
4	COD	136.0	mg/L	250	Within Permissible Limit

The condition of the seals, fastening and container on receipt was as: sealed as **PCB**

Signed this on **07/10/2022**

Remarks of Lab Head:

Sunil Rana, SO
(State Board Analyst)
RL Paonta

From:
H.P. STATE POLLUTION CONTROL BOARD,
RL Paonta

To:
Ruchira Papers Ltd (Kraft Paper Unit)
Tirlokpur Road Kala Amb Nahan Distt Sirmour---Kala Amb, Nahan,
Distt.Sirmaur, H.P.173030

Type of Sample:-**Monitoring**

Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 6984 **Dated : 07.10.2022**

Issued to **M/s Outlet of ETP of M/s Ruchra Paper Limited, Tirlokpur Road, Kala Amb, H.P.**

Description: Received on **21-September-2022** a sample of **Drain** collected by **Sh. Nitin Mehta,RO alongwith team constituted by Hon'ble NGT** collected from **Surface Water** of the factory on **21 - September-2022**. The sample has been analysed from **21-September- 2022 to 07- October-2022.**

Sr. No.	Parameter Name	Result	Result	Limit
1.	Sample Code	10437		
2.	Sample Collected from	Drain		
3.	Color	Yelllowish		
4.	Odour	Mild		
5.	pH value	8.09		
6.	Total Suspended Solids mg/l	45.0		
7.	BOD (3 days at 27°C) mg/l	16.0		
8.	COD (mg/l)	148.0		
9.	Oil & Grease (mg/)	BDL(DL=2)		
10.	Conductivity (u S/cm)	2830.0		
11.	Ammonical- N (mg/l)	BDL(DL=05)		
12.	Total Dissolved Solid (mg/l)	1552.0		
13.	Turbidity NTU	8.24		
14.	Boron(mg/l)	BDL(DL=0.5)		
15.	Sulphide (mg/l)	1.0		
16.	Phenolic Compound (mg/l)	ND		
17.	Total Phosphate (mg/l)	0.28		

Neeraj Bala

JSA1 Manjali | JSA2 Megha Ranga | **Laboratory In-charge Neeraj Bala**

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB

CC to Regional Office: **Ambala.** The test report relate only to the particular sample submitted for testing.

Annexure-6

Attendance Sheet of __ Meeting and joint inspection on 21.10.2022 regarding Hon'ble NGT orders in OA No 515/2022.

Sr. No.	Name & Designation	Department	Contact No.	email-ID	Signature
1.	Vishal Jaswal SE	JSV Nahan	98164-28999	seiph_nahan@rediff.com	[signature]
2.	G. S. Chauhan	JDI, Inds. Deptt	8837829893	gmdicnahan@gm	[signature]
3.	Ashish Rana, Executive Engineer	JSV Dvn. Nahan	94184-57957	eeiph.nahan@yahoo	[signature]
4.	Mareet Bhardwaj AE Nahan	JSV S/Div Nahan	94184-41437	aeiph.nahan@gmail.com	[signature]
5.	KAMAL ROHEL N.T. Kala Amb.	Revenue	92187 41548	[illegible]	[signature]
6.	Anuradha Puri PK Kalamb	Revenue	88191-98107	Anuradha10@gmail.com	[signature]
7.	ROHIT KANWAR/AGM	HSIIDC	9416120016	ia.barwala@hsiidc.org	[signature] 21/10/2022
8.	Nitin Mehta R.O.	HSPCB Ambala	9467575075	hspcbsoamb@gmail.com	[signature]
9.	AJAY CHAUDHARY, A.D.A.	Environment & Climate Change, Hry.	9416559100	ajaysinghbhardwaj@g	[signature]
10	Sukh Ram SC	HSPCB	9468303062	[illegible]	[signature]
11.	Dinesh Kumar, V.Rotwilla(?)	Revenue	8219552706	kumardinesh199666@gmail	[signature]
12	Rohit Tanwar VRO	"	9805437236	Rohittanwar92@gmail.c	[signature]
13.	Piyush VRO	"	70187-36665	[illegible]@gmail.com	[signature]
14.	Nitish Chandel, SDO, Narainga O/o SE Irrigation Ambala		9779166013	sdoshwalikngarh@gmail.com	[signature]
15	Jayasharadha, SDM Naraingarh	Revenue SDO - Civil	9003217760	sdmnaraingarh@gmail.com	[signature]

Sr. No.	Name & Designation	Department	Contact No.	email-ID	Signature
	KAPIL SHARMA, S.D.M, Shahabad, KKR	Revenue	8901030397		
	Lalit Jain	DIR Env.	8627913120		

Annexure-7 (collectively)

FORM -X
REPORT BY STATE BOARD ANALYST
(See Rule 26)

Date:02.11.2022

Report No. W-1719

I hereby certify that I, **Sunil Kr. Rana**, State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention & Control of Pollution) Act,1974 (6 of 1974) received on the **22nd** day of **October, 2022** from **Sh. Pawan Sharma, AEE, HPSPCB, Paonta Sahib** a **Grab** sample of **Jattan Wala Nallah (Exit point of Himachal Pradesh)** for analysis.The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample from **22-10-2022 to 02-11-2022**.The results of the analysis reported below.

Method of analysis

IS- 2488(I-V), IS-3025 (Part 44):1933, "Standard Method for the Examination of Water", 22th Edition prepared & published jointly by:-

1. American Public Health Association.
2. American Water Works Association.
3. Water Pollution Control Federation.

S.No.	Parameter	Results	Unit	S.No.	Parameter	Results	Unit
1	pH	7.16		22	Temperature (T)	---	^0C
2	Conductivity	---	µmho/cm	23	Antimony (Sb)	---	mg/l
3	FDS	---	mg/l	24	TKN	---	mg/l
4	**DO***	**2.5**	mg/l	25	Mercury (Hg)	---	mg/l
5	**COD**	**180.0**	mg/l	26	Arsenic (As)	---	mg/l
6	**BOD**	**16.0**	mg/l	27	Selenium	---	mg/l
7	Sulphate(SO_4)	---	mg/l	28	Manganese(Mn)	---	mg/l
8	NO_3-N	---	mg/l	29	Fluoride (F)	---	mg/l
9	Chloride (Cl)	---	mg/l	30	Vanadium as V	---	mg/l
10	Sodium (Na)	---	mg/l	31	Potassium(K)	---	mg/l
11	Total Hardness	---	mg/l	32	Phenol	---	mg/l
12	Total Iron (Fe)	---	mg/l	33	Sulphide (S)	---	mg/l
13	Total Chromium	---	mg/l	34	Total Res. Chlorine	---	mg/l
14	Zinc (Zn)	---	mg/l	35	NH_3-N	---	mg/l
15	Copper (Cu)	---	mg/l	36	Chromium $^{+6}$	---	mg/l
16	Nickel (Ni)	---	mg/l	37	$T.PO_4$	---	mg/l
17	Lead (Pb)	---	mg/l	38	Boron (B)	---	mg/l
18	Cadmium (Cd)	---	mg/l	39	**TC**	**480000.0**	**MPN/100 ml**
19	Total Cyanide	---	mg/l	40	**FC**	**108000.0**	**MPN/100 ml**
20	Oil & Grease	---	mg/l	41	Ca++	---	mg/l
21	TDS	---	mg/l	42	Mg++	---	mg/l

*** As reported by collecting officer**

The condition of the seals. fastening and container on receipt was as: Sealed as PCB

Signed on this **02nd** day of **November, 2022**

State Board Analyst

From : H.P. STATE POLLUTION CONTROL BOARD
Regional Laboratory, Paonta Sahib, Sirmour-173025

To: Assistant Environmental Engineer,
Regional Office,HPSPCB,Paonta Sahib.

Scanned with CamScanner

FORM-X -23-

REPORT BY STATE BOARD ANALYST

(See Rule 26)

Report No. W-1720 Date:02-11-2022

I hereby certify that I, **Sunil Kr. Rana,** State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention & Control of Pollution) Act,1974 (6 of 1974) received on the **22nd** day of **October, 2022** from **Sh. Pawan Sharma, AEE, HPSPCB, Paonta Sahib** a **Grab** sample of **River Markanda under bridge, Sadhora Road (Exit point of Himachal Pradesh)** for analysis.The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample from **22-10-2022 to 02-11-2022**.The results of the analysis reported below.

Method of analysis

IS- 2488(I-V), IS-3025 (Part 44):1933, "Standard Method for the Examination of Water", 22th Edition prepared & published jointly by:-

1. American Public Health Association.
2. American Water Works Association.
3. Water Pollution Control Federation.

S.No.	Parameter	Results	Unit	S.No.	Parameter	Results	Unit
1	**pH**	**7.81**		22	Temperature (T)	---	^{0}C
2	Conductivity	---	µmho/cm	23	Antimony (Sb)	---	mg/l
3	FDS	---	mg/l	24	TKN	---	mg/l
4	**DO***	**8.5**	mg/l	25	Mercury (Hg)	---	mg/l
5	**COD**	**4.0**	mg/l	26	Arsenic (As)	---	mg/l
6	**BOD**	**1.8**	mg/l	27	Selenium	---	mg/l
7	Sulphate(SO_4)	---	mg/l	28	Manganese(Mn)	---	mg/l
8	NO_3-N	---	mg/l	29	Fluoride (F)	---	mg/l
9	Chloride (Cl)	---	mg/l	30	Vanadium as V	---	mg/l
10	Sodium (Na)	---	mg/l	31	Potassium(K)	---	mg/l
11	Total Hardness	---	mg/l	32	Phenol	---	mg/l
12	Total Iron (Fe)	---	mg/l	33	Sulphide (S)	---	mg/l
13	Total Chromium	---	mg/l	34	Total Res. Chlorine	---	mg/l
14	Zinc (Zn)	---	mg/l	35	NH_3-N	---	mg/l
15	Copper (Cu)	---	mg/l	36	Chromium $^{+6}$	---	mg/l
16	Nickel (Ni)	---	mg/l	37	T.PO_4	---	mg/l
17	Lead (Pb)	---	mg/l	38	Boron (B)	---	mg/l
18	Cadmium (Cd)	---	mg/l	39	**TC**	**1080.0**	**MPN/100 ml**
19	Total Cyanide	---	mg/l	40	**FC**	**480.0**	**MPN/100 ml**
20	Oil & Grease	---	mg/l	41	Ca++	---	mg/l
21	TDS	---	mg/l	42	Mg++	---	mg/l

*** As reported by collecting officer**

The condition of the seals, fastening and container on receipt was as: Sealed as PCB

Signed on this **02nd** day of **November, 2022**

State Board Analyst

From H.P. STATE POLLUTION CONTROL BOARD
Regional Laboratory, Paonta Sahib, Sirmour-173025

To: Assistant Environmental Engineer,
Regional Office,HPSPCB,Paonta Sahib.

FORM -X -24-

REPORT BY STATE BOARD ANALYST

(See Rule 26)

Sample No. W-1721

Date:02-11-2022

I hereby certify that I, **Sunil Kr. Rana,** State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention & Control of Pollution) Act,1974 (6 of 1974) received on the **22nd** day of **October, 2022** from **Sh. Pawan Sharma, AEE, HPSPCB, Paonta Sahib** a **Grab** sample of **River Markanda after confluence of Jattan Wala Nallah and other drains carrying civic waste of Haryana part** for analysis.The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample from **22-10-2022 to 02-11-2022.**The results of the analysis reported below.

Method of analysis

IS- 2488(I-V), IS-3025 (Part 44):1933, "Standard Method for the Examination of Water", 22th Edition prepared & published jointly by:-

1. American Public Health Association.
2. American Water Works Association.
3. Water Pollution Control Federation.

S.No.	Parameter	Results	Unit	S.No.	Parameter	Results	Unit
1	**pH**	**7.74**		22	Temperature (T)	---	^{0}C
2	Conductivity	---	µmho/cm	23	Antimony (Sb)	---	mg/l
3	FDS	---	mg/l	24	TKN	---	mg/l
4	**DO***	**8.0**	mg/l	25	Mercury (Hg)	---	mg/l
5	**COD**	**20.0**	mg/l	26	Arsenic (As)	---	mg/l
6	**BOD**	**2.9**	mg/l	27	Selenium	---	mg/l
7	Sulphate(SO_4)	---	mg/l	28	Manganese(Mn)	---	mg/l
8	NO_3-N	---	mg/l	29	Fluoride (F)	---	mg/l
9	Chloride (Cl)	---	mg/l	30	Vanadium as V	---	mg/l
10	Sodium (Na)	---	mg/l	31	Potassium(K)	---	mg/l
11	Total Hardness	---	mg/l	32	Phenol	---	mg/l
12	Total Iron (Fe)	---	mg/l	33	Sulphide (S)	---	mg/l
13	Total Chromium	---	mg/l	34	Total Res. Chlorine	---	mg/l
14	Zinc (Zn)	---	mg/l	35	NH_3-N	---	mg/l
15	Copper (Cu)	---	mg/l	36	Chromium $^{+6}$	---	mg/l
16	Nickel (Ni)	---	mg/l	37	T.PO_4	---	mg/l
17	Lead (Pb)	---	mg/l	38	Boron (B)	---	mg/l
18	Cadmium (Cd)	---	mg/l	39	**TC**	**8000.0**	**MPN/100 ml**
19	Total Cyanide	---	mg/l	40	**FC**	**1750.0**	**MPN/100 ml**
20	Oil & Grease	---	mg/l	41	Ca++	---	mg/l
21	TDS	---	mg/l	42	Mg++	---	mg/l

*** As reported by collecting officer.**

The condition of the seals, fastening and container on receipt was as: Sealed as **PCB**

Signed on this **02nd** day of **November, 2022**

State Board Analyst

From : H.P. STATE POLLUTION CONTROL BOARD
Regional Laboratory, Paonta Sahib, Sirmour-173025

To: Assistant Environmental Engineer,
Regional Office,HPSPCB,Paonta Sahib.

Pawan

Type of Sample:-**Monitoring**

Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 7270

Dated : 28.10.2022

Issued to **M/s Upstream of Markanda River at Kala Amb, Ambala.**

Description: Received on **22- October- 2022** a sample of **Drain** collected by **Sh. Sukh Ram, Sc.B** collected from **Surface Water** of the factory on **21- October- 2022** . The sample has been analysed from **22- October - 2022 to 28- October-2022**.

Sr. No.	Parameter Name	Result	Result	Limit
1.	Sample Code	10905		
2.	Sample Collected from	Drain		
3.	Color	Colourless		
4.	Odour	Odourless		
5.	pH value	7.48		
6.	Total Suspended Solids mg/l	24.0		
7.	BOD (3 days at 27^{0}C) mg/l	2.2		
8.	COD (mg/l)	8.0		
9.	Oil & Grease (mg/)	BDL(DL=2)		
10.	Conductivity (u S/cm)	402.0		
11.	Dissolved Oxygen mg/l	7.8		
12.	Ammonical- N (mg/l)	0.14		
13.	Nitrate – N (mg/l)	BDL(DL=0.5)		
14.	Nitrite NO2 (mg/l)	BDL(DL=0.05)		
15.	Total Coliform (MPN/100 ml)	1800.0		
16.	Fecal Colifrom (MPN/100 ml)	400.0		
17.	Fecal Streptococci (MPN/100 ml)	100.0		
18.	Total Dissolved Solid (mg/l)	212.0		
19.	Turbidity NTU	BDL(DL=1)		
20.	Chloride (mg/l)	18.0		
21.	Sodium Absorption Ration	0.06		
22.	Boron(mg/l)	BDL(DL=0.5)		
23.	Total Phosphate (mg/l)	0.34		
24.	Total Chrome (mg/l)	BDL(DL=0.06)		
25.	Nickel (mg/l)	BDL(DL=0.1)		
26.	Iron (mg/l)	0.264		
27.	Zinc (mg/l)	BDL(DL=0.01)		
28.	Copper (mg/l)	BDL(DL=0.03)		

Sample Collected/Not Collected by us — JSA Megha Ranga

Sample Consumed in testing — JSA Manjali

CC to Member Secretary, HSPCB

Neeraj Bala
Laboratory In-charge
Neeraj Bala

CC to Regional Office: **Ambala.** The test report relate only to the particular sample submitted for testing.

Type of Sample:-**Monitoring**

Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 7271

Dated : 28.10.2022

Issued to **M/s Jatton Wala Nallah coming from Himachal Pradesh Industries Near- Kala Amb, Ambala.**

Description: Received on **22- October- 2022** a sample of **Drain** collected by **Sh. Sukh Ram, Sc.B** collected from **Surface Water** of the factory on **21- October- 2022** . The sample has been analysed from **22- October - 2022 to 28- October-2022**.

Sr. No.	Parameter Name	Result	Result	Limit
1.	Sample Code	10906		
2.	Sample Collected from	Drain		
3.	Color	Brownish		
4.	Odour	Bad		
5.	pH value	7.32		
6.	Total Suspended Solids mg/l	76.0		
7.	BOD (3 days at 27°C) mg/l	22.0		
8.	COD (mg/l)	72.0		
9.	Oil & Grease (mg/)	6.0		
10.	Conductivity (u S/cm)	3230.0		
11.	Dissolved Oxygen mg/l	3.0		
12.	Ammonical- N (mg/l)	6.31		
13.	Nitrate – N (mg/l)	3.64		
14.	Nitrite NO2 (mg/l)	0.05		
15.	Total Coliform (MPN/100 ml)	119000.0		
16.	Fecal Colifrom (MPN/100 ml)	96000.0		
17.	Fecal Streptococci (MPN/100 ml)	5400.0		
18.	Total Dissolved Solid (mg/l)	1768.0		
19.	Turbidity NTU	9.87		
20.	Chloride (mg/l)	52.0		
21.	Sodium Absorption Ration	2.34		
22.	Boron(mg/l)	BDL(DL=0.5)		
23.	Total Phosphate (mg/l)	2.24		
24.	Total Chrome (mg/l)	0.1		
25.	Nickel (mg/l)	BDL(DL=0.1)		
26.	Iron (mg/l)	0.926		
27.	Zinc (mg/l)	BDL(DL=0.01)		
28.	Copper (mg/l)	BDL(DL=0.03)		

Neeraj Bala

Sample Collected/Not Collected by us — JSA Megha Ranga — JSA Manjali — **Laboratory In-charge Neeraj Bala**
Sample Consumed in testing
CC to Member Secretary, HSPCB

CC to Regional Office: **Ambala.** The test report relate only to the particular sample submitted for testing.

Type of Sample:-**Monitoring**

Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 7272 **Dated : 28.10.2022**

Issued to **M/s Down Stream of Markanda River after mixing Jatton Wala Nallah. Ambala.**

Description: Received on **22- October- 2022** a sample of **River** collected by **Sh. Sukh Ram, Sc.B** collected from **Surface Water** of the factory on **21- October- 2022** . The sample has been analysed from **22- October - 2022 to 28- October-2022**.

Sr. No.	Parameter Name	Result	Result	Limit
1.	Sample Code	10907		
2.	Sample Collected from	River		
3.	Color	Colourless		
4.	Odour	Odourless		
5.	pH value	7.88		
6.	Total Suspended Solids mg/l	18.0		
7.	BOD (3 days at 27^{0}C) mg/l	3.4		
8.	COD (mg/l)	12.0		
9.	Oil & Grease (mg/)	BDL(DL=2)		
10.	Conductivity (u S/cm)	562.0		
11.	Dissolved Oxygen mg/l	7.2		
12.	Ammonical- N (mg/l)	BDL(DL=0.5)		
13.	Nitrate – N (mg/l)	BDL(DL=0.5)		
14.	Nitrite NO2 (mg/l)	BDL(DL=0.05)		
15.	Total Coliform (MPN/100 ml)	3600.0		
16.	Fecal Colifrom (MPN/100 ml)	1200.0		
17.	Fecal Streptococci (MPN/100 ml)	600.0		
18.	Total Dissolved Solid (mg/l)	328.0		
19.	Turbidity NTU	BDL(DL=1)		
20.	Chloride (mg/l)	14.0		
21.	Sodium Absorption Ration	0.31		
22.	Boron(mg/l)	BDL(DL=0.5)		
23.	Total Phosphate (mg/l)	0.28		
24.	Total Chrome (mg/l)	BDL(DL=0.06)		
25.	Nickel (mg/l)	BDL(DL=0.1)		
26.	Iron (mg/l)	0.289		
27.	Zinc (mg/l)	BDL(DL=0.01)		
28.	Copper (mg/l)	BDL(DL=0.03)		

Sample Collected/Not Collected by us — JSA Megha Ranga — JSA Manjali — **Laboratory In-charge Neeraj Bala**
Sample Consumed in testing
CC to Member Secretary, HSPCB

CC to Regional Office: **Ambala.** The test report relate only to the particular sample submitted for testing.

Annexure-8 (collectively)

Ground water quality results from April-21 to Jul-21 for Kala Amb

Sr. No.	Parameters	Limits (as per IS 10500:2012)	Apr-21			May-21			Jun-21			Jul-21		
			Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb
1	pH	6.5 to 8.5	7.25	7.19	6.89	7.17	6.97	7.79	7.21	7.37	7.46	6.93	6.94	6.81
2	TDS (mg/l)	500	343	441	354	357	450	651	385	380	487	532	582	412
3	T. Hardness (mg/l)	200	230	160	220	268	370	362	265	290	330	194	188	170
4	Cl (mg/l)	250	17.04	18.46	14.2	15.62	28.4	21.5	12.78	17.04	17.04	59.64	25.56	26.98
5	Ca^{++} (mg/l)	75	52.1	48.09	56.11	..	..	..	80	76	92	..	..	..
6	Mg^{++} (mg/l)	30	24.4	9.76	19.52	..	..	..	15.9	24	24.4	..	..	..
7	TA (mg/l)	200	195	185	235	215	190	245	220	240	210	280	195	105
8	SO_4 (mg/l)	200	32	93.8	99.5	41.68	95.8	88.49	26.7	77.5	100.4	80.81	75.51	22.3
9	B (mg/l)	0.5	0.5	0.5	0.5	0.1	0.11	0.11	0.13	0.12	0.12	0.08	0.1	0.07
10	F (mg/l)	1	0.2	0.2	0.8	0.13	0.29	0.11	0.369	0.443	0.189	0.28	0.49	0.22
11	NH_3-N (mg/l)	0.5	..	..	..	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
12	NO_3-N (mg/l)	45	2.17	2.14	2.21	5.11	2.71	1.27	Nil	Nil	Nil	0.84	0.79	0.58
13	Phenol (mg/l)	0.001	..	..	..	..	..	..	..	..	..	..	..	..
14	Zn (mg/l)	5	..	..	..	..	..	..	..	..	..	..	..	..
15	Cu (mg/l)	0.05	..	..	..	..	..	..	..	..	..	..	..	..
16	Ni (mg/l)	0.02	..	..	..	..	..	..	..	..	..	..	..	..
17	Fe (mg/l)	0.3	..	..	..	..	..	..	..	..	..	..	..	..
18	Pb (mg/l)	0.01	..	..	..	..	..	..	..	..	.	..	..	..
19	Cd (mg/l)	0.003	..	..	..	..	..	..	..	..	..	..	..	..

Ground water quality results from Aug-21 to Nov-21 for Kala Amb														
			Aug-21			Sep-21			Oct-21			Nov-21		
Sr. No.	Parameters	Limits (as per IS 10500:2012)	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb
1	pH	6.5 to 8.5	7.15	7.01	7.17	7.05	7.13	7.47	7.98	7.66	7.54	7.3	7.39	7.56
2	TDS (mg/l)	500	283	448	471	274	210	357	364	369	363	335	325	328
3	T. Hardness (mg/l)	200	188	192	178	172	168	182	168	182	182	182	192	188
4	Cl (mg/l)	250	52.54	32.66	28.4	15.62	17.04	15.62	17.04	15.62	15.62	21.3	22.72	25.56
5	Ca^{++} (mg/l)	75	..	..	..	..	..	..	40.8	39.2	39.2	..	..	..
6	Mg^{++} (mg/l)	30	..	..	..	..	..	..	16.1	20.5	2.5	..	..	..
7	TA (mg/l)	200	160	165	160	180	175	180	175	180	180	200	210	220
8	SO_4 (mg/l)	200	65.82	85.57	29.8	72.4	80.63	82.09	44.97	38.76	41.68	160	162.54	154.86
9	B (mg/l)	0.5	0.14	0.13	0.12	0.13	0.15	0.13	0.5	0.5	0.5	0.13	0.1	0.1
10	F (mg/l)	1	1.29	1.21	1.21	1.28	1.19	1.2	0.81	0.7	0.65	0.35	ND	ND
11	NH_3-N (mg/l)	0.5	Nil	Nil	Nil	Nil	Nil	Nil	..	..	..	NIL	Nil	NIL
12	NO_3-N (mg/l)	45	1.02	1.23	1.27	2.06	1.95	2.03	0.45	0.47	0.49	2.06	1.74	2.08
13	Phenol (mg/l)	0.001	..	..	..	..	..	..	..	..	..	..	..	..
14	Zn (mg/l)	5	..	..	..	..	..	..	..	..	..	..	..	..
15	Cu (mg/l)	0.05	..	..	..	..	..	..	..	..	..	..	..	..
16	Ni (mg/l)	0.02	..	..	..	..	..	..	..	..	..	..	..	..
17	Fe (mg/l)	0.3	..	..	..	..	..	..	..	..	..	..	..	..
18	Pb (mg/l)	0.01	..	..	..	..	..	..	..	..	..	..	..	.
19	Cd (mg/l)	0.003	..	..	..	..	..	..	..	..	..	..	..	..

Ground water quality results from Dec-21 to Mar-22 for Kala Amb														
			Dec-21			Jan-22			Feb-22			Mar-22		
Sr. No.	Parameters	Limits (as per IS 10500:2012)	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb	Well at Residential Area Kala Amb	Well at Industrial Area Kala Amb	Hand Pump at Kala Amb
1	pH	6.5 to 8.5	7.28	7.09	7.17	7.42	7.48	7.3	8.15	7.47	7.39	7.57	7.59	7.25
2	TDS (mg/l)	500	578	562	330	333	325	339	247	394	356	508	509	609
3	T. Hardness (mg/l)	200	228	152	228	232	168	178	178	170	214	170	172	162
4	Cl (mg/l)	250	24.14	17.04	26.98	29.82	21.3	19.88	25.56	20.98	53.96	22.72	17.04	21.3
5	Ca^{++} (mg/l)	75	..	..	..	..	..	..	..	..	..	..	..	..
6	Mg^{++} (mg/l)	30	..	..	..	..	..	..	..	..	..	..	..	..
7	TA (mg/l)	200	280	220	295	290	285	280	225	210	215	215	220	170
8	SO_4 (mg/l)	200	29.59	41.32	21.91	28.29	29.5	22.1	29.88	30.06	31.38	31.35	44.49	18.54
9	B (mg/l)	0.5	0.35	0.86	0.36	0.38	0.34	0.36	0.37	0.39	0.41	0.41	0.43	0.42
10	F (mg/l)	1	0.75	0.76	1.15	0.73	0.69	0.86	0.75	0.74	0.76	0.84	0.75	0.8
11	NH_3-N (mg/l)	0.5	Nil	Nil	Nil	2.65	Nil	Nil	Nil	Nil	Nil	NIL	Nil	NIL
12	NO_3-N (mg/l)	45	7.03	0.57	1.09	6.98	7.05	6.98	0.75	0.66	0.72	3.19	9.77	2.87
13	Phenol (mg/l)	0.001	..	..	..	..	..	..	..	..	..	..	..	..
14	Zn (mg/l)	5	..	..	..	..	..	..	..	..	..	..	..	..
15	Cu (mg/l)	0.05	..	..	..	..	..	..	..	..	..	..	..	..
16	Ni (mg/l)	0.02	..	..	..	..	..	..	..	..	..	..	..	..
17	Fe (mg/l)	0.3	..	..	..	..	..	..	..	..	..	..	..	..
18	Pb (mg/l)	0.01	..	..	..	..	..	..	..	..	..	..	..	.
19	Cd (mg/l)	0.003	..	..	..	..	..	..	..	..	..	..	..	..

POLLUTED RIVER STRECHES FOR RESTORATION OF WATER QUALITY-2022

POLLUTED RIVER STRECHES FOR RESTORATION OF WATER QUALITY (2022)

WATER QUALITY MANAGEMENT (I) DIVISION
Central Pollution Control Board (CPCB)
Ministry of Environment, Forests & Climate Change (MoEF & CC)
Parivesh Bhawan, East Arjun Nagar,
Delhi – 110032
August, 2022

CONTRIBUTIONS

❖ **Supervision and Co-ordination:**

Dr. Prashant Gargava, Member Secretary

Mr. A. Sudhakar, Scientist `E' & DH, WQM-I

Mr. J. Chandra Babu, Scientist `E'

❖ **Data Compilation, Validation & graphics:**

Mrs. Alpana Narula, Senior Scientific Assistant

Ms. Deepty Goyal, Senior Research Fellow

Ms. Anjali Pandey, GIS Expert

❖ **Report Preparation:**

Mrs. Suniti Parashar, Scientist 'C'

Mrs. Alpana Narula, Senior Scientific Assistant

Ms. Deepty Goyal, Senior Research Fellow

EXECUTIVE SUMMARY

Central Pollution Control Board (CPCB) executes National Water Quality Monitoring Programme (NWMP) for assessment of water quality of aquatic resources in the country. The assessment indicates that organic and microbial contamination of aquatic resources is a major concern for both rivers and static water bodies.

The present study is a periodic assessment of water quality of rivers in the country which is reflected in exceedances observed with respect to criteria parameter, Bio-Chemical Oxygen Demand (BOD) and identification of polluted river stretches/ locations where water quality is required to be restored with distinctive interventions and time targeted action plans.

CPCB initiated the exercise of identifying polluted river stretches (PRS) in the country since 2009 based on the river water quality monitored during the years 2002 -2008 in 29 States/ UTs, and afterwards reports were brought out in 2014 based on assessment of water quality data monitored during the years 2009-2012 in 27 States/ UTs and in 2018 based on water quality data of the years 2016 & 2017 in 31 States/ UTs. The present assessment is based on the river water quality data of the years 2019 & 2021 excluding monitored data of year 2020 being the pandemic year. Total 150 PRS on 121 rivers, 302 PRS on 275 rivers and 351 PRS on 323 rivers were identified & reported in year 2009, 2014, 2018.

It is observed that in the year 2009, 70% of rivers monitored (121 out of 390) were identified as polluted whereas, in the year 2022, only 46% of rivers monitored (279 out of 603) were identified as polluted.

As per latest assessment, out of 1920 locations on rivers monitored during 2019 & 2021, 1103 locations (57%) were observed complying with BOD criteria of less than 3.0 mg/L , notified for Outdoor bathing.

A comparative assessment of the PRS identified in present study with previous assessment of PRS in 2018 reveals that total number of PRS have decreased in number from 351 (in 2018) to 311 (in 2022). Significant reduction in number of PRS are observed in Priority V.

Detailed assessment indicates that improvement in water quality has been observed in 180 polluted river stretches identified during year 2018. Out of 180 PRS, 106 river stretches are removed from the earlier identified list of polluted stretches due to compliance of BOD criteria i.e value less than 3.0 mg/ L .These stretches are located in Andhra Pradesh (5), Assam (22), Goa (7), Gujarat (8), Himachal Pradesh (1), Jammu & Kashmir (2), Jharkhand (3), Karnataka (4), Kerala (11), Madhya Pradesh (7), Maharashtra (1), Mizoram (7), Nagaland (2), Odisha (10), Puducherry (1), Punjab (1), Sikkim (4), Tripura (5), Uttarakhand (1) and West Bengal (4).

Due to improvement in water quality priority class of 74 previously identified polluted river stretches has been shifted to lower priority class. These stretches are in the States/ UTs of Assam (3), Chhattisgarh (2), Daman, Diu & Dadra Nagar Haveli (1), Goa (2), Gujarat (3), Himachal Pradesh (1), Jammu & Kashmir (3), Jharkhand (1), Karnataka (6), Kerala (4), Madhya Pradesh (4), Maharashtra (21), Manipur (1), Meghalaya (3), Nagaland (3), Odisha (1), Punjab (1), Tamil Nadu (3), Telangana (4), Uttar Pradesh (1), Uttarakhand (2) and West Bengal (4).

Priority class of 108 polluted river stretches identified in both the assessment years of 2018 and 2022 remained same indicating no improvement/ change in their water quality. Out of 108, 27 are identified in P – I, 02 in P – II, 08 in P – III, 04 in P – IV and 58 identified in P- V Class.

The decrease in number of identified polluted river stretches which have shown improvement in the water quality could be attributed to the efforts being made for development for infrastructure for Sewage management, industrial effluent management, waste management and enforcement of regulations for prevention and control of pollution in rivers.

****

CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF ANNEXURES

1. BACKGROUND

The Water (Prevention and Control of Pollution) Act 1974 enacted to maintain wholesomeness of aquatic resources. The Water Quality Management in India is performed under the provision of Water (Prevention and Control of Pollution) Act, 1974. The basic objective of this Act is to maintain and restore the wholesomeness of national aquatic resources by prevention and control of water pollution.

Water quality monitoring is therefore an imperative prerequisite in order to assess the extent of maintenance and restoration of water bodies. Central Pollution Control Board (CPCB) has established a network of monitoring stations on aquatic resources across the country. The monitoring of water quality initiated during 1977-78 under Global Environmental Monitoring System (GEMS) and gradually increased the network to cover all the aquatic resources in the country viz. Rivers, Lakes, Tanks, Ponds, Drains, Water Treatment Plant, Sewage Treatment Plants, coastal waters, wetlands and ground water under National Water Quality Monitoring Programme (NWMP).

The present monitoring network comprises of 4294 locations in 28 States and 7 Union Territories spread over the country (no network in Andaman and Nicobar Islands). The monitoring network covers 2026 locations on Rivers, 378 on Lakes, 138 on Tanks, 106 on Ponds, 184 on Creeks/seawater, 65 on Canals, 83 on Drains, 1231 on Wells and 61 on other waterbodies.

Subsequently through a wide network of water quality monitoring, water quality data is generated. During September 2018, CPCB had identified 351 Polluted river stretches in 31 States/ UTs considering water quality data for Biochemical Oxygen Demand (BOD) parameter generated in the year 2016 and 2017. Upon intervention of Hon'ble NGT, action plans were prepared by State Governments and UT Administrations for rejuvenation of 351 Polluted river stretches identified by CPCB. Concerned State/ UT Government departments are implementing the action plans and the progress is being reviewed periodically by the River Rejuvenation Committee (RRC) at State Level and Central Monitoring Committee (CMC) constituted under the Chairmanship of Secretary, Ministry of Jal Shakti at Central Level.

2. IDENTIFICATION OF POLLUTED RIVER STRETCHES (PRS)

Water quality data for river monitoring locations generated by regional offices in State Pollution Control Boards & Pollution Control Committees by collecting and analysing the water samples for various field observations, physico-chemical, bacteriological, Metals and Pesticide parameters on monthly basis as per The Guidelines for Water Quality Monitoring, 2017 issued by Ministry of Environment, Forest & Climate Change (MoEF & CC).

The water quality data generated is submitted by SPCBs/ PCCs through online data entry portal namely Environmental Water Quality Data Entry System - EWQDES and stored centrally at CPCB server.

For identification of polluted river stretches, the water quality data for river monitoring locations is reviewed and the monitoring locations non-compliant with the desired criteria for Bio-chemical Oxygen Demand (BOD) i.e. < 3.0 mg/L are identified as polluted locations.

3. CRITERIA FOR IDENTIFICATION AND CLASSIFICATION OF PRS

The water quality data for river monitoring locations with respect to Biochemical Oxygen Demand (BOD) parameter is considered. The locations/ stretches of rivers not meeting with the Primary water quality criteria for outdoor bathing for BOD parameter i.e. more than 3 mg/L are identified as polluted locations or polluted stretches.

- **If there is a single location on river, rivulet or stream and the location is not complying to BOD, it is identified as Polluted Location.**

- **Two or more polluted locations identified on a river in a continuous sequence are considered as a stretch and defined as Polluted River Stretch.**

These are categorized under five **Priority Classes (I t o V)** on the basis of maximum BOD level observed. The criteria for prioritisation of river stretches is given below:

Priority – I

- Monitoring locations exceeding BOD concentration 30.0 mg/ L

Priority – II

- Monitoring locations having BOD between 20.0 – 30.0 mg/ L

Priority – III

- Monitoring locations having BOD between 10.0 – 20.0 mg/ L

Priority – IV

- Monitoring locations having BOD between 6.0 – 10.0 mg/ L

Priority – V

- Monitoring locations having BOD between 3.0 – 6.0 mg/ L

4. STATUS OF POLLUTED RIVER STRETCHES IN INDIA – 2022

The water quality data for years 2019 and 2021 is analyzed and monitoring locations exceeding the water quality criteria are identified as polluted locations. Water quality data for the year 2020 has not been considered in the exercise as data generated in year 2020 may not reflect the actual water quality as most commercial and industrial activities were restricted due to lockdown in the country in light of COVID 19 pandemic.

Upon reviewing water quality data of 1920 locations monitored during the year 2019 and 2021, it was observed that 817 river locations were exceeding the Primary Water Quality Criteria for Outdoor

Bathing for the parameter BOD i.e. more than 3 mg/L. The list of 817 river locations is provided in **Annexure I**. The polluted locations in a continuous sequence were defined as polluted river stretches. Based on the assessment, 311 polluted river stretches have been identified on 279 rivers in 30 States and Union Territories. The list of 279 polluted rivers and 324 rivers on which no polluted stretches were identified are provided in **Annexure II & III** respectively. The priority wise number of river stretches are given in Table 1 below.

Table - 1: Priority wise Number of Polluted River Stretches

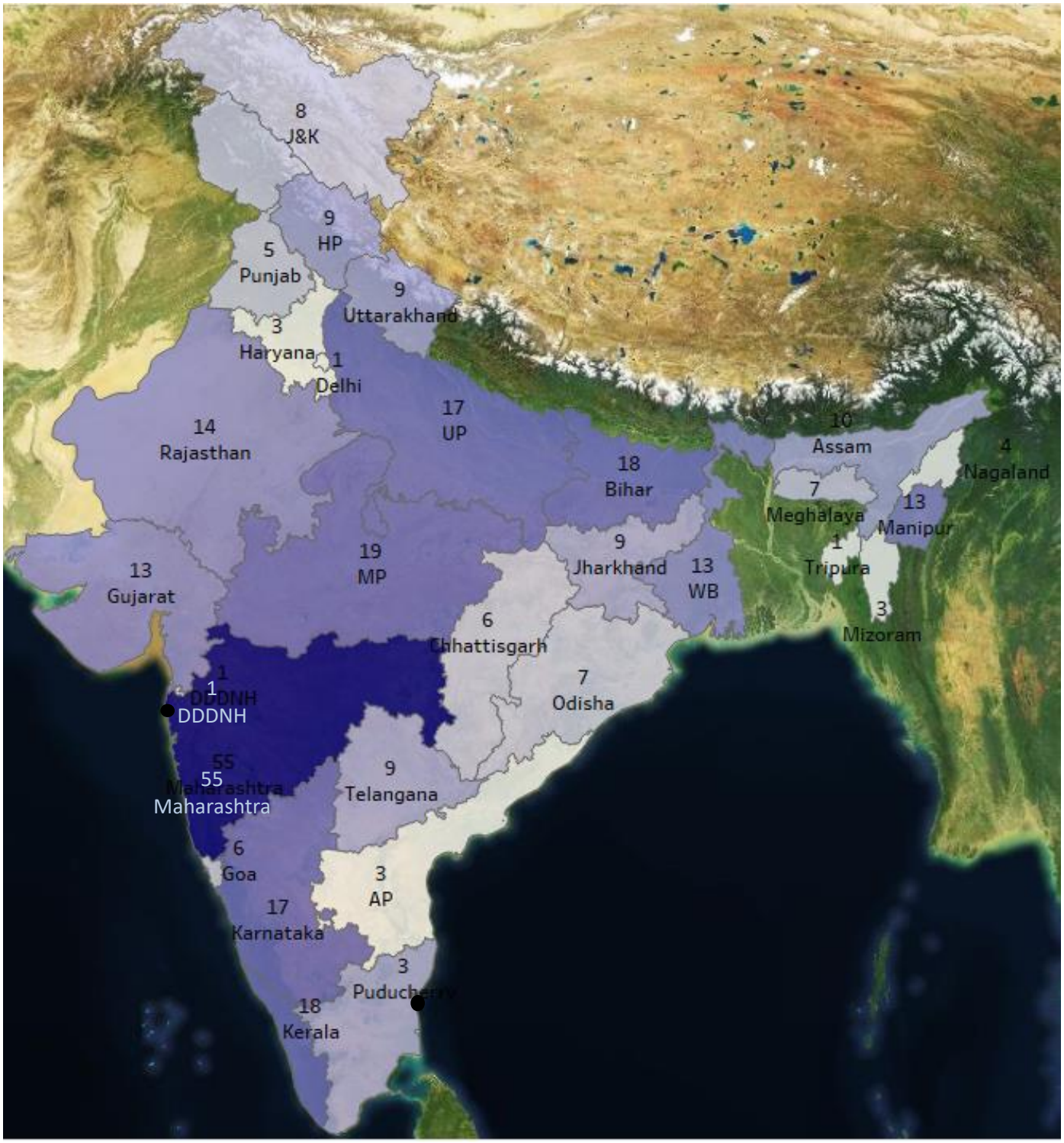
Priority Class	Number of polluted river Stretches
I	46
II	16
III	39
IV	65
V	145
Total	**311**

Based on the assessment, it is observed that, the state of Maharashtra has highest number of polluted river stretches i.e. 55, followed by Madhya Pradesh (19), Bihar (18), Kerala (18), Karnataka (17), Uttar Pradesh (17), Rajasthan (14), Gujarat (13), Manipur (13), West Bengal (13), Assam (10), Tamil Nadu (10), Himachal Pradesh (9), Jharkhand (9), Telangana (9), Uttarakhand (9), Jammu & Kashmir (8), Meghalaya (7), Odisha (7), Chhattisgarh (6), Goa (6), Punjab (5), Nagaland (4), Andhra Pradesh (3), Haryana (3), Mizoram (3) , Puducherry (3), Daman and Diu, Dadra and Nagar Haveli (1), Delhi (1) and Tripura (1). Priority wise number of stretches in each State/UT are given in **Table - 2**. A pictorial illustration for number of polluted river stretches identified in state-wise manner is given at **Figure - 1**.

Table – 2: State-wise & Priority wise number of Polluted River Stretches

S No.	STATE/UNION TERRITORY	PRIORITY CLASS					TOTAL No. of PRS
		I	II	III	IV	V	
1.	ANDHRA PRADESH	1			1	1	3
2.	ASSAM	1				9	10
3.	BIHAR		1	2	7	8	18
4.	CHHATTISGARH		1		2	3	6
5.	DAMAN AND DIU, DADRA AND NAGAR HAVELI			1			1
6.	DELHI	1					1
7.	GOA				1	5	6
8.	GUJARAT	6	1	1	1	4	13
9.	HARYANA	2	1				3
10.	HIMACHAL PRADESH	4			1	4	9
11.	JAMMU & KASHMIR			2	4	2	8
12.	JHARKHAND			1	2	6	9
13.	KARNATAKA	3			3	11	17
14.	KERALA			1	2	15	18
15.	MADHYA PRADESH	2		1	5	11	19
16.	MAHARASHTRA	4	5	18	17	11	55
17.	MANIPUR				2	11	13
18.	MEGHALAYA	2			1	4	7
19.	MIZORAM				2	1	3
20.	NAGALAND			1		3	4
21.	ODISHA	1			3	3	7
22.	PUDUCHERRY		1	1	1		3
23.	PUNJAB	3				2	5
24.	RAJASTHAN	2		1	4	7	14
25.	TAMIL NADU	4	1	1	1	3	10
26.	TELANGANA	1	1	2		5	9
27.	TRIPURA					1	1
28.	UTTAR PRADESH	6		1	2	8	17
29.	UTTARAKHAND	2	2	4		1	9
30.	WEST BENGAL	1	2	1	3	6	13
GRAND TOTAL		**46**	**16**	**39**	**65**	**145**	**311**

Figure 1: Number of polluted river stretches identified in States/ UTs

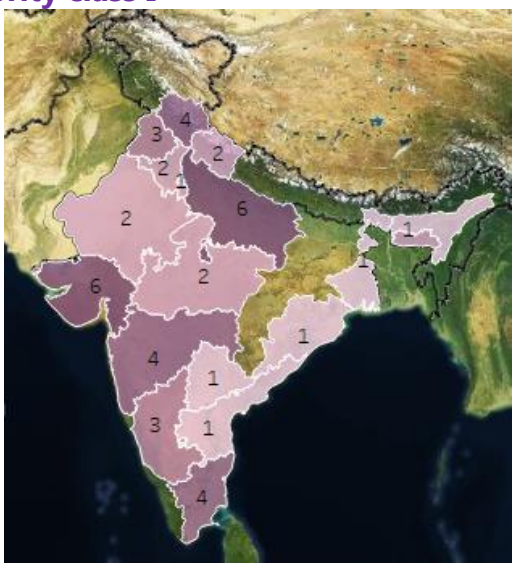


5. PRIORITY WISE POLLUTED RIVER STRETCHES IN STATES AND UNION TERRITORIES

5.1 PRS IDENTIFIED UNDER PRIORITY CLASS – I

In Priority Class – I, 46 Polluted river stretches have been identified in 18 States/ UTs with highest number i.e. 06 in Gujarat & Uttar Pradesh; 04 in Himachal Pradesh, Maharashtra & Tamil Nadu; 03 in Karnataka & Punjab; 02 in Haryana, Madhya Pradesh, Meghalaya, Rajasthan & Uttarakhand and 01 each in Telangana, Andhra Pradesh, Assam, Delhi, West Bengal and Odisha. Detailed list is provided in **Annexure – IV**.

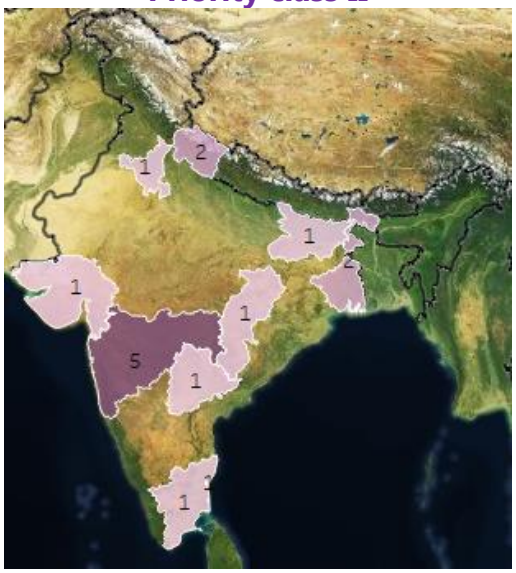
Figure 2: Number of polluted river stretches identified in States/ UTs in Priority class I



5.2 PRS IDENTIFIED UNDER PRIORITY CLASS – II

In Priority Class – II, 16 Polluted river stretches have been identified in 10 States/ UTs with highest number i.e. 05 in Maharashtra; 02 in Uttarakhand & West Bengal and 01 each in Bihar, Chhattisgarh, Gujarat, Haryana, Puducherry, Tamil Nadu and Telangana. Detailed list is provided in **Annexure – V**.

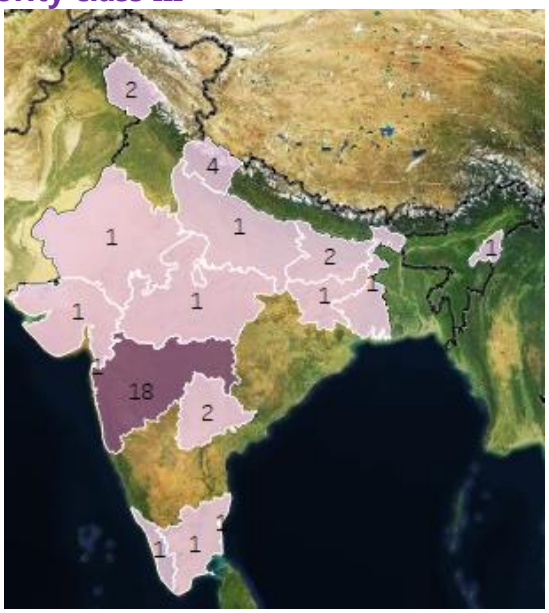
Figure 3: Number of polluted river stretches identified in States/ UTs in Priority class II



5.3 PRS IDENTIFIED UNDER PRIORITY CLASS – III

In Priority Class – III, 39 Polluted river stretches have been identified in 16 States/ UTs with highest number i.e. 18 in Maharashtra; 04 in Uttarakhand; 02 in Bihar, Jammu & Kashmir & Telangana and 01 each in Dadra Nagar Haveli, Gujarat, Jharkhand, Kerala, Madhya Pradesh, Nagaland, Puducherry, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal. Detailed list is provided in **Annexure – VI**.

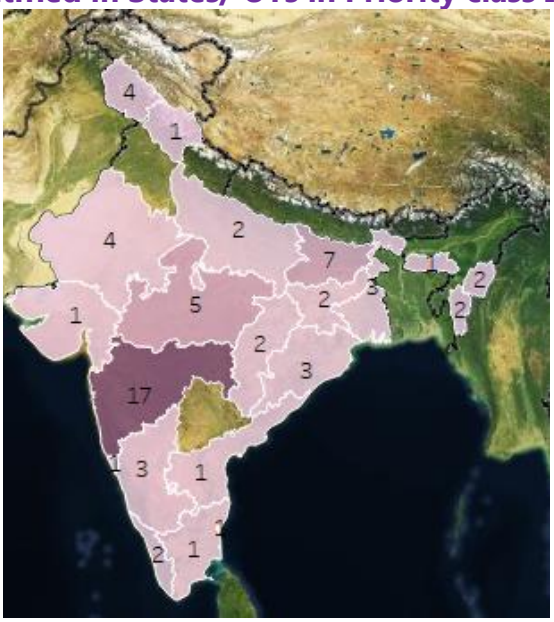
Figure 4: Number of polluted river stretches identified in States/ UTs in Priority class III



5.4 PRS IDENTIFIED UNDER PRIORITY CLASS – IV

In Priority Class – IV, 65 Polluted river stretches have been identified in 21 States/ UTs with highest number i.e. 17 in Maharashtra; 07 in Bihar; 05 in Madhya Pradesh; 04 in Jammu & Kashmir & Rajasthan; 03 in Karnataka, Odisha & West Bengal; 02 in Chhattisgarh, Jharkhand, Kerala, Manipur, Mizoram & Uttar Pradesh and 01 each in Andhra Pradesh, Goa, Gujarat, Himachal Pradesh, Meghalaya, Puducherry

Figure 5: Number of polluted river stretches identified in States/ UTs in Priority class IV

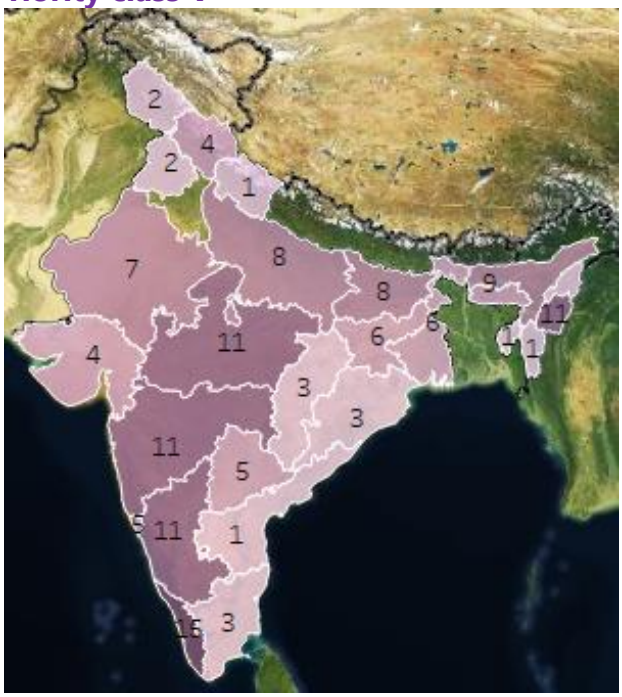


and Tamil Nadu. Detailed list is provided in **Annexure –VII**.

5.5 PRS IDENTIFIED UNDER PRIORITY CLASS – V

In Priority Class – V, 145 Polluted river stretches have been identified in 26 States/ UTs with highest number i.e. 15 in Kerala; 11 in Madhya Pradesh, Maharashtra & Manipur; 09 in Assam; 08 in Bihar & Uttar Pradesh; 07 in Rajasthan; 06 in Jharkhand & West Bengal; 05 in Goa & Telangana; 04 in Gujarat, Himachal Pradesh & Meghalaya; 03 in Chhattisgarh, Nagaland, Odisha & Tamil Nadu; 02 in Jammu & Kashmir & Punjab and 01 each in Andhra Pradesh, Mizoram, Tripura and Uttarakhand. Detailed list is provided in **Annexure – VIII**.

Figure 6: Number of polluted river stretches identified in States/ UTs in Priority class V



6. STATE-WISE ASSESSMENT OF POLLUTED RIVER STRETCHES

6.1 WATER QUALITY OF RIVERS IN ANDHRA PRADESH

Water Quality of rivers in Andhra Pradesh was monitored at 41 locations on 16 rivers during the year 2019 and 2021, out of which, 4 locations on 3 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 3 polluted rivers are Gostani, Upputeru, Vasishta. Details of polluted river stretches identified are given in table below.

Table - 3: Number of Polluted River Stretches in Andhra Pradesh

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	GOSTANI	ALONG VILLAGE VENDRA	8.6	IV
2.	UPPUTERU	ALONG CHINAGOLLAPALEM VILLAGE	3.4	V
3.	VASISHTA	ALONG NARASAPURAM	58.0	I

6.2 WATER QUALITY OF RIVERS IN ARUNACHAL PRADESH

Water Quality of rivers in Arunachal Pradesh was monitored at 3 locations on 3 rivers during the year 2019 and 2021. All the monitored locations were found complying to the Water Quality Criteria with respect to BOD.

6.3 WATER QUALITY OF RIVERS IN ASSAM

Water Quality of rivers in Assam was monitored at 86 locations on 60 rivers during the year 2019 and 2021, out of which, 11 locations on 10 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 10 polluted rivers are Bega, Bharalu, Burhidihing, Dhansiri, Digboi, Kharsang, Kulsi, Mora Bharali, Pagldia, Tocklai. Details of polluted river stretches identified are given in table below.

Table - 4: Number of Polluted River Stretches in Assam

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BEGA	ALONG MANGALDOI	3.9	V
2.	BHARALU	ALONG ULUBARI	76.0	I
3.	BURHIDIHING	ALONG MARGHERITA	3.6	V

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
4.	DHANSIRI	ALONG BOKAJAN AND NUMALIGARH	3.5	V
5.	DIGBOI	IOCL OIL TOWN TO LAKHIPATHAR RESERVE FOREST	5.2	V
6.	KHARSANG	ALONG KHARSANG	3.3	V
7.	KULSI	ALONG CHAYGAON	3.2	V
8.	MORA BHARALI	ALONG MORA BHARALI	3.6	V
9.	PAGLDIA	ALONG NALBARI TOWN	3.4	V
10	TOCKLAI	ALONG KUMAR KAIBARTA GAON	4.8	V

6.4 WATER QUALITY OF RIVERS IN BIHAR

Water Quality of rivers in Bihar was monitored at 95 locations on 21 rivers during the year 2019 and 2021, out of which, 45 locations on 18 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 18 polluted rivers are Bagmati, Burhi Gandak/ Sikrahna, Daha, Dhous, Gandak, Ganga, Gangi, Ghaghara, Harbora, Kamala, Kohra, Lakhandei, Manusmar, Parmar, Punpun, Ramrekha, Sirsiya, Sone. Details of polluted river stretches identified are given in table below.

Table - 5: Number of Polluted River Stretches in Bihar

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BAGMATI	ALONG SIRNIA	3.6	V
2.	BURHI GANDAK/ SIKRAHNA	NARKATIAGANJ TO PAKRIDAYAL	10.0	IV
3.	DAHA	GOPALGANJ TO SIWAN	10.0	IV
4.	DHOUS	ALONG MADHUVAPUR	5.6	V
5.	GANDAK	ALONG REWAGHAT	3.8	V
6.	GANGA	ALONG BUXAR, PATNA, FATWAH AND BHAGALPUR	7.9	IV
7.	GANGI	AT ARA	8.0	IV
8.	GHAGHARA	ALONG REVELGANJ	3.6	V
9.	HARBORA	ALONG NARKATIAGANJ	8.0	IV
10.	KAMALA	ALONG DARBHANGA	5.0	V
11.	KOHRA	ALONG MANJHAULIA	8.0	IV
12.	LAKHANDEI	ALONG SITAMARHI	11.0	III
13.	MANUSMAR	ALONG SITAMARHI	6.0	V
14.	PARMAR	ALONG JOGBANI	3.4	V

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
15.	PUNPUN	ALONG PUNPUN	10.0	IV
16.	RAMREKHA	HARINAGAR	12.0	III
17.	SIRSIYA	RAXAUL	30.0	II
18.	SONE	KOELWAR	4.0	V

6.5 WATER QUALITY OF RIVERS IN CHHATTISGARH

Water Quality of rivers in Chhattisgarh was monitored at 29 locations on 8 rivers during the year 2019 and 2021, out of which, 12 locations on 6 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 6 polluted rivers are Arpa, Hasdeo, Kelo, Kharoon, Mahanadi, Seonath. Details of polluted river stretches identified are given in table below.

Table - 6: Number of Polluted River Stretches in Chhattisgarh

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	ARPA	BILASPUR	9.6	IV
2.	HASDEO	CHAMPA	3.4	V
3.	KELO	RAIGARH	3.9	V
4.	KHAROON	ALONG RAIPUR	28.5	II
5.	MAHANADI	SHIVRINARAYAN TO PORATH	3.8	V
6.	SEONATH	RAJNANDGAON TO JHENGHARI	6.4	IV

6.6 WATER QUALITY OF RIVERS IN DAMAN AND DIU, DADRA AND NAGAR HAVELI

Water Quality of river Damanganga in Daman and Diu, Dadra and Nagar Haveli was monitored at 10 locations during the year 2019 and 2021, out of which, 6 locations were found non-complying to the Water Quality Criteria with respect to BOD. Details of polluted river stretch identified are given in table below.

Table - 7: Number of Polluted River Stretches in Daman and Diu, Dadra and Nagar Haveli

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1	DAMANGANGA	ALONG DAMAN	14.8	III

6.7 WATER QUALITY OF RIVERS IN DELHI

Water Quality of river Yamuna in Delhi was monitored at 8 locations during the year 2019 and 2021 and all the monitored locations were found non-complying to the Water Quality Criteria with respect to BOD. Details of polluted river stretch identified are given in table below.

Table - 8: Number of Polluted River Stretches in Delhi

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1	YAMUNA	PALLA TO OKHLA D/S	83.0	I

6.8 WATER QUALITY OF RIVERS IN GOA

Water Quality of rivers in Goa was monitored at 30 locations on 16 rivers during the year 2019 and 2021, out of which, 10 locations on 6 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 6 polluted rivers are Kalna, Khandepar, Mandovi, Mapusa, Sal, Zuari. Details of polluted river stretches identified are given in table below.

Table - 9: Number of Polluted River Stretches in Goa

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	KALNA	ALONG CHANDEL	4.0	V
2.	KHANDEPAR	ALONG KHANDEPAR	4.2	V
3.	MANDOVI	ALONG AMONA	3.7	V
4.	MAPUSA	ALONG KARASWADA	5.0	V
5.	SAL	KHAREBAND TO ASSOLNA	6.0	V
6.	ZUARI	PANCHAWADI TO MARCAIM	6.4	IV

6.9 WATER QUALITY OF RIVERS IN GUJARAT

Water Quality of rivers in Gujarat was monitored at 64 locations on 25 rivers during the year 2019 and 2021, out of which, 25 locations on 13 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 13 polluted rivers are Amlakhadi, Bhadar, Bhogavo, Bhukhi Khadi, Damanganga, Dhadar, Khari, Mahi, Mindhola, Sabarmati, Shedhi, Tapi, Vishwamitri. Details of polluted river stretches identified are given in table below.

Table - 10: Number of Polluted River Stretches in Gujarat

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	AMLAKHADI	ALONG ANKLESHWAR	49.0	I
2.	BHADAR	ALONG JETPUR	258.6	I
3.	BHOGAVO	ALONG SURENDRANAGAR	6.0	V
4.	BHUKHI KHADI	ALONG VAGRA	3.9	V
5.	DAMANGANGA	ALONG KACHIGAON AND ALONG CHANOD	5.3	V
6.	DHADAR	ALONG KOTHADA	33.0	I
7.	KHARI	ALONG LALI VILLAGE	195.0	I
8.	MAHI	KOTNA TO MUJPUR	12.0	III
9.	MINDHOLA	ALONG SACHIN	28.0	II
10.	SABARMATI	RAYSAN TO VAUTHA	292.0	I
11.	SHEDHI	ALONG KHEDA	6.2	IV
12.	TAPI	ALONG NIZHAR	3.4	V
13.	VISHWAMITRI	ALONG KHALIPUR VILLAGE	38.0	I

6.10 WATER QUALITY OF RIVERS IN HARYANA

Water Quality of rivers in Haryana was monitored at 22 locations on 3 rivers during the year 2019 and 2021, out of which, 20 locations on 3 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 3 polluted rivers are Ghaggar, Markanda, Yamuna. Details of polluted river stretches identified are given in table below.

Table - 11: Number of Polluted River Stretches in Haryana

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	GHAGGAR	BHAGWANPUR TO SURAJPUR; ALONG KALA AMB, ALONG CHANDRAPURA, ALONG SIRSA	206.0	I
2.	MARKANDA	ALONG NARAINGARH	29.0	II
3.	YAMUNA	HATHNIKUND TO PALLA AND PALWAL TO HASANPUR	43.0	I

6.11 WATER QUALITY OF RIVERS IN HIMACHAL PRADESH

Water Quality of rivers in Himachal Pradesh was monitored at 136 locations on 37 rivers during the year 2019 and 2021, out of which, 19 locations on 9 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 9 polluted rivers are Ashwini Khad, Bald, Giri,

Markanda, Pabbar, Ratta, Shikari Khad, Sirsa, Sukhana. Details of polluted river stretches identified are given in table below.

Table - 12: Number of Polluted River Stretches in Himachal Pradesh

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	ASHWINI KHAD	MATHOLI TO BHOG	80.0	I
2.	BALD	ALONG BADDI	40.0	I
3.	GIRI	ALONG YASHWANT NAGAR AND ALONG DADAHU	4.8	V
4.	MARKANDA	SALANI TO RAMPUR JATTAN	4.0	V
5.	PABBAR	ALONG SWARAKUDDU	4.6	V
6.	RATTA	ALONG NALAGARH	8.0	IV
7.	SHIKARI KHAD	ALONG ROHRU	4.6	V
8.	SIRSA	ALONG NALAGARH	40.0	I
9.	SUKHANA	ALONG PARWANOO	72.0	I

6.12 WATER QUALITY OF RIVERS IN JAMMU & KASHMIR

Water Quality of rivers in Jammu & Kashmir was monitored at 58 locations on 15 rivers during the year 2019 and 2021, out of which, 19 locations on 8 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 8 polluted rivers are Banganga, Basanter, Chuntkol, Devak, Gawkadal, Jhelum, Lidder, Tawi. Details of polluted river stretches identified are given in table below.

Table – 13: Number of Polluted River Stretches in Jammu & Kashmir

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BANGANGA	ALONG KATRA	6.2	IV
2.	BASANTER	ALONG SAMBA	4.2	V
3.	CHUNTKOL	AT MAULANA AZAD BRIDGE	11.2	III
4.	DEVAK	ALONG UDHAMPUR	10.0	IV
5.	GAWKADAL	ALONG SHERGARHI	3.2	V
6.	JHELUM	SRINAGAR TO BARAMULLA	7.8	IV
7.	LIDDER	ALONG PAHALGAM	7.0	IV
8.	TAWI	ALONG JAMMU	14.0	III

6.13 WATER QUALITY OF RIVERS IN JHARKHAND

Water Quality of rivers in Jharkhand was monitored at 62 locations on 20 rivers during the year 2019 and 2021, out of which, 19 locations on 9 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 9 polluted rivers are Bokaro, Damodar, Garga, Harmu, Jumar, Katri, Kharkhai, Koina, Subarnarekha. Details of polluted river stretches identified are given in table below.

Table - 14: Number of Polluted River Stretches in Jharkhand

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BOKARO	ALONG JARANGDIH	3.9	V
2.	DAMODAR	ALONG TELMUCHO, ALONG JARANGDIH, ALONG RAMGARH	3.5	V
3.	GARGA	ALONG TELMUCHO	4.9	V
4.	HARMU	ALONG RANCHI	10.1	III
5.	JUMAR	NAGRI TO BHUTI	5.3	V
6.	KATRI	ALONG MOONIDIH	3.6	V
7.	KHARKHAI	ALONG SONARI	8.0	IV
8.	KOINA	ALONG MANOHARPUR	3.1	V
9.	SUBARNAREKHA	ALONG RANCHI, ALONG MURI, ALONG JAMSHEDPUR	10.0	IV

6.14 WATER QUALITY OF RIVERS IN KARNATAKA

Water Quality of rivers in Karnataka was monitored at 107 locations on 30 rivers during the year 2019 and 2021, out of which, 41 locations on 17 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 17 polluted rivers are Aghanashini, Arkavathi, Bhadra, Bhima, Cauvery, Dakshinak Pinakini, Gangavali, Kabini, Kagina, Krishna, Lakshmantirtha, Netravathi, Sharavathi, Shimsha, Thenpennai, Tunga, Tungabhadra. Details of polluted river stretches identified are given in table below.

Table - 15: Number of Polluted River Stretches in Karnataka

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	AGHANASHINI	ALONG KUMATA	3.3	V
2.	ARKAVATHI	HESARAGHATTA TO KANAKPURA	39.0	I

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
3.	BHADRA	BHADRAVATHI TO HOLEHUNNUR	7.0	IV
4.	BHIMA	GANGAPUR TO YADGIR	4.0	V
5.	CAUVERY	ALONG SRI RANGAPATTANNA	6.0	V
6.	DAKSHINAK PINAKINI	ALONG MUGALUR	111.0	I
7.	GANGAVALI	ALONG ANKOLA	3.4	V
8.	KABINI	ALONG NANJANAGUD	3.8	V
9.	KAGINA	ALONG GOLA K	3.1	V
10.	KRISHNA	ALONG UGARKHURD, ALAMATTI TO TINTANI, ALONG DEVASAGAR	4.7	V
11.	LAKSHMANTIRTHA	ALONG HUNSUR	5.6	V
12.	NETRAVATHI	ALONG DHARMASTALA	6.0	V
13.	SHARAVATHI	ALONG HONNAVARA	3.3	V
14.	SHIMSHA	YEDIYAR TO MADDUAR	9.5	IV
15.	THENPENNAI	ALONG KODIYALAM	72.0	I
16.	TUNGA	ALONG SHIVAMOGGA	6.0	V
17.	TUNGABHADRA	KUDLI TO MYLARA, ULLANUR TO HOCHECHALLI	6.2	IV

6.15 WATER QUALITY OF RIVERS IN KERALA

Water Quality of rivers in Kerala was monitored at 75 locations on 49 rivers during the year 2019 and 2021, out of which, 25 locations on 18 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 18 polluted rivers are Ayroor, Chalakudy, Chitthrapuzha, Kadalundy, Kadambayar, Kallai, Kalpathi Puzha, Karmana, Korayar, Mamom, Manimala, Neyyar, Pamba, Periyar, Pullur, Thirur, Uppala, Vamanapuram. Details of polluted river stretches identified are given in table below.

Table - 16: Number of Polluted River Stretches in Kerala

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	AYROOR	ALONG ERNAKULAM	5.5	V
2.	CHALAKUDY	ALONG PULICKALKA-DAVU	3.3	V
3.	CHITTHRAPUZHA	ALONG IRUMPANAM	3.2	V
4.	KADALUNDY	ALONG TIRURANGADI	3.4	V
5.	KADAMBAYAR	MANCKAKADAVU TO BRAHMAPURAM	4.4	V

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
6.	KALLAI	ALONG KALLAI	4.6	V
7.	KALPATHI PUZHA	ALONG KALPATHI	3.3	V
8.	KARMANA	ALONG ARUVIKARA AND ALONG MOONNATTUMUKKU	10.2	III
9.	KORAYAR	ALONG KANJIKODE	3.5	V
10.	MAMOM	ALONG MAMAM	4.6	V
11.	MANIMALA	ALONG THONDRA	3.1	V
12.	NEYYAR	ARUVIPURAM TO AMARAVILA	6.5	IV
13.	PAMBA	ALONG PAMBA AND ALONG MANNAR	3.9	V
14.	PERIYAR	ALONG ALWAYE-ELOOR, ALONG PURAPPALLIKAVU, ALONG KALAMASSERY	3.9	V
15.	PULLUR	ALONG PULLUR	3.8	V
16.	THIRUR	ALONG TITUR	3.2	V
17.	UPPALA	ALONG MAJIBAIL	3.3	V
18.	VAMANAPURAM	ALONG VAMANAPURAM	6.3	IV

6.16 WATER QUALITY OF RIVERS IN MADHYA PRADESH

Water Quality of rivers in Madhya Pradesh was monitored at 158 locations on 48 rivers during the year 2019 and 2021, out of which, 33 locations on 19 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 19 polluted rivers are Betwa, Bichia, Chambal, Chamla, Hiran, Johila, Kaliasot, Kanhan, Khan, Kshipra, Kunda, Mahi, Malei, Mandakini, Newaj, Parvati, Sone, Tapi, Wardha. Details of polluted river stretches identified are given in table below.

Table - 17: Number of Polluted River Stretches in Madhya Pradesh

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BETWA	MANDIDEEP TO VIDISHA AND ALONG KANJIYA	7.3	IV
2.	BICHIA	ALONG REWA	4.0	V
3.	CHAMBAL	NAGDA TO GANDHISAGAR	72.0	I
4.	CHAMLA	ALONG BADNAGAR	3.4	V
5.	HIRAN	ALONG JABALPUR	7.8	IV
6.	JOHILA	ALONG NAROJABAD	7.7	IV
7.	KALIASOT	ALONG MANDIDEEP	3.9	V
8.	KANHAN	ALONG CHINDWARA	7.8	IV
9.	KHAN	INDORE TO SANWER	46.0	I

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
10	KSHIPRA	ALONG UJJAIN	18.0	III
11	KUNDA	ALONG KHARGONE	4.2	V
12	MAHI	ALONG BAJNA	5.0	V
13	MALEI	ALONG JAORA	4.0	V
14	MANDAKINI	ALONG CHITRAKUT	3.2	V
15	NEWAJ	SHUJALPUR TO RAJGARH	3.5	V
16	PARVATI	ALONG BATAODAPAR	3.7	V
17	SONE	ALONG DEORA	6.1	IV
18	TAPI	ALONG BURHANPUR	6.0	V
19	WARDHA	ALONG BANGON	4.0	V

6.17 WATER QUALITY OF RIVERS IN MAHARASHTRA

Water Quality of rivers was Maharashtra is monitored at 156 locations on 56 rivers during the year 2019 and 2021, out of which, 147 locations on 55 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 55 polluted rivers are Amba, Amravati, Bhatsa, Bhima, Bindusara, Bori, Burai, Chandrabhaga, Darna, Ghod, Girna, Godavari, Gomai, Hiwara, Indrayani, Kalu, Kan, Kanhan, Kolar, Koyna, Krishna, Kundalika, Manjeera, Mithi, Mor, Morna, Muchkundi, Mula, Mula-Mutha, Mutha, Nira, Panzara, Patalganga, Pawana, Pedhi, Pehlar, Penganga, Purna, Rangavali, Savitri, Sina, Surya, Tansa, Tapi, Titur, Ulhas, Urmodi, Vaitarna, Vashisti, Vel, Venna, Waghur, Wainganga, Wardha, Wena. Details of polluted river stretches identified are given in table below.

Table - 18: Number of Polluted River Stretches in Maharashtra

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	AMBA	ALONG ROHA	4.9	V
2.	AMRAVATI	ALONG DHULE	3.4	V
3.	BHATSA	SHAHAPUR TO BHIWANDI	10.0	IV
4.	BHIMA	PUNE TO SOLAPUR	38.0	I
5.	BINDUSARA	ALONG BEED	4.8	V
6.	BORI	ALONG JALGAON	3.4	V
7.	BURAI	ALONG DHULE	9.2	IV
8.	CHANDRABHAGA	ALONG GURSALE	13.5	III
9.	DARNA	BHAGUR TO CHEHEDI	16.5	III
10.	GHOD	ALONG SHIRUR	11.5	III
11.	GIRNA	MALEGAON TO JALGAON	18.0	III

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
12.	GODAVARI	GANGAPR DAM TO MADHESWAR DAM, ALONG NANDUR, KAIGAON TO DHALEGAON, NANDED TO INTERSTATE BORDER	28.0	II
13.	GOMAI	ALONG SHAHADA	3.6	V
14.	HIWARA	ALONG PACHORA	3.8	V
15.	INDRAYANI	MOSHIGAON TO ALANDIGAON	15.5	III
16.	KALU	ALONG KALYAN	8.0	IV
17.	KAN	ALONG SAKRI	6.5	IV
18.	KANHAN	PARSEONI TO KUHI	22.0	II
19.	KOLAR	ALONG WAREGAON	4.8	V
20.	KOYNA	ALONG KARAD	7.5	IV
21.	KRISHNA	ALONG MAHABALESHWAR AND ALONG SATARA	11.0	III
22.	KUNDALIKA	ALONG ROHA	17.0	III
23.	MANJEERA	ALONG LATUR	7.5	IV
24.	MITHI	ALONG MAHIM	50.0	I
25.	MOR	ALONG PADALSHE	9.8	IV
26.	MORNA	ALONG AKOLA	10.4	III
27.	MUCHKUNDI	ALONG LANJA	12.0	III
28.	MULA	AUNDHGAON TO BOPODI	28.0	II
29.	MULA-MUTHA	MUNDHAWA TO THEUR	22.0	II
30.	MUTHA	ALONG PUNE CITY	50.0	I
31.	NIRA	SAROLA TO SANGAVI	15.0	III
32.	PANZARA	ALONG PANZARA	8.5	IV
33.	PATALGANGA	KHOPOLI TO KHARPADA	11.0	III
34.	PAWANA	SANGAVIGAON TO DAPODI	26.0	II
35.	PEDHI	ALONG BHATKULI	10.0	IV
36.	PEHLAR	AT PEHLAR	7.0	IV
37.	PENGANGA	MEHKAR TO UMARKHED	7.2	IV
38.	PURNA	ASEGAON TO AKOLA	6.8	IV
39.	RANGAVALI	ALONG NAVAPUR	11.5	III
40.	SAVITRI	ALONG MAHAD	50.0	I
41.	SINA	ALONG MOHAL	8.4	IV
42.	SURYA	GARVASHET TO MASVAN	11.0	III
43.	TANSA	ALONG VILLAGE DAKEWALI	4.0	V
44.	TAPI	RAVER TO SHAHADA	18.5	III
45.	TITUR	ALONG CHALISGAON	11.5	III

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
46.	ULHAS	BADLAPUR TO MOHANE	4.0	V
47.	URMODI	ALONG NAGTHANE	6.8	IV
48.	VAITARNA	ALONG GANDHARE VILLAGE	4.0	V
49.	VASHISTI	ALONG CHIPLUN	4.0	V
50.	VEL	ALONG SHIKRAPUR	9.0	IV
51.	VENNA	MAHABALESHWAR TO MAHULI	7.2	IV
52.	WAGHUR	ALONG JALGAON	11.0	III
53.	WAINGANGA	TUMSAR TO AMBHORA	14.0	III
54.	WARDHA	PULGAON TO RAJURA	11.4	III
55.	WENA	ALONG HINGANGHAT	7.6	IV

6.18 WATER QUALITY OF RIVERS IN MANIPUR

Water Quality of rivers in Manipur was monitored at 39 locations on 14 rivers during the year 2019 and 2021, out of which, 37 locations on 13 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 13 polluted rivers are Barak, Chakpi, Imphal, Iril, Khuga, Khujairok, Lokchao, Maha, Manipur, Nambul, Sekmai, Thoubal, Wangjing. Details of polluted river stretches identified are given in table below.

Table - 19: Number of Polluted River Stretches in Manipur

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BARAK	TAMENGLONG TO SENAPATI	4.6	V
2.	CHAKPI	ALONG CHAKPIKARONG	3.3	V
3.	IMPHAL	SEKMAI TO SAMUROU	6.9	IV
4.	IRIL	KANGLA SIPHAI TO LILONG	5.3	V
5.	KHUGA	KHUGA LAKE TO CHURACHANDPUR	4.4	V
6.	KHUJAIROK	ALONG MOREH	4.2	V
7.	LOKCHAO	ALONG BISHNUPUR	4.4	V
8.	MAHA	ALONG CHANDEL	4.7	V
9.	MANIPUR	WANGJING TO HEIROK	4.1	V
10	NAMBUL	SINGDA DAM TO BISHNUPUR	7.0	IV
11	SEKMAI	ALONG KAKCHING	3.8	V
12	THOUBAL	LILTAN TO PHADOM	4.9	V
13	WANGJING	WANGJING TO HEIROK	4.4	V

6.19 WATER QUALITY OF RIVERS IN MEGHALAYA

Water Quality of rivers in Meghalaya was monitored at 64 locations on 35 rivers during the year 2019 and 2021, out of which, 12 locations on 7 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 7 polluted rivers are Kyrhukhla, Lukha, Myntdu, Nonbah, Umkhrah, Umshyrpi and Umtrew. Details of polluted river stretches identified are given in table below.

Table - 20: Number of Polluted River Stretches in Meghalaya

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	KYRHUKHLA	ALONG KHLIERIAT	5.5	V
2.	LUKHA	ALONG MYNDIHATI	5.5	V
3.	MYNTDU	ALONG JOWAI	6.5	IV
4.	NONBAH	ALONG NONGSTOIN	5.6	V
5.	UMKHRAH	ALONG SHILLONG	56.0	I
6.	UMSHYRPI	DHANKETI TO HARISAVA	44.0	I
7.	UMTREW	UMRAN TO BYRNIHAT	5.8	V

6.20 WATER QUALITY OF RIVERS IN MIZORAM

Water Quality of rivers in Mizoram was monitored at 46 locations on 28 rivers during the year 2019 and 2021, out of which, 3 locations on 3 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 3 polluted rivers are Chithe, Lawbual, Tuikual. Details of polluted river stretches identified are given in table below.

Table - 21: Number of Polluted River Stretches in Mizoram

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	CHITHE	ALONG ARMED VENG	5.9	V
2.	LAWBUAL	ALONG LAWIBUAL	6.2	IV
3.	TUIKUAL	ALONG DINTHAR	6.4	IV

6.21 WATER QUALITY OF RIVERS IN NAGALAND

Water Quality of rivers in Nagaland is monitored at 8 locations on 4 rivers during the year 2019 and 2021, out of which, were found non-complying to the Water Quality Criteria with respect to BOD.

The names of 4 polluted rivers are Dhansiri, Dzu, Dzuna, Sano. Details of polluted river stretches identified are given in table below.

Table - 22: Number of Polluted River Stretches in Nagaland

S NO.	RIVER NAME	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	DHANSIRI	ALONG DHANSIRI AND ALONG DIMAPUR	18.0	III
2.	DZU	ALONG KOHIMA	3.5	V
3.	DZUNA	ALONG KOHIMA	3.5	V
4.	SANO	ALONG KOHIMA	3.8	V

6.22 WATER QUALITY OF RIVERS IN ODISHA

Water Quality of rivers in Odisha was monitored at 133 locations on 50 rivers during the year 2019 and 2021, out of which, 14 locations on 7 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 7 polluted rivers are Brahmani, Daya, Gangua, Kathajodi, Kuakhai, Mangala, Serua. Details of polluted river stretches identified are given in table below.

Table - 23: Number of Polluted River Stretches in Odisha

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BRAHMANI	ALONG ROURKELA	5.6	V
2.	DAYA	NARANKHETA TO KANAS	7.1	IV
3.	GANGUA	ALONG BHUBHNESHWAR	39.2	I
4.	KATHAJODI	ALONG CUTTACK	4.1	V
5.	KUAKHAI	ALONG BHUBANESWAR	7.3	IV
6.	MANGALA	ALONG GOLASAHI	7.4	IV
7.	SERUA	ALONG SANKHATRASA	3.5	V

6.23 WATER QUALITY OF RIVERS IN PUDUCHERRY

Water Quality of rivers in Puducherry was monitored at 6 locations on 5 rivers during the year 2019 and 2021, out of which, 3 locations on 3 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 3 polluted rivers are Chunnambar, Coringa, Gautami-Godavari. Details of polluted river stretches identified are given in table below.

Table - 24: Number of Polluted River Stretches in Puducherry

S NO.	RIVER NAME	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	CHUNNAMBAR	ALONG NONANKUPPAM	7.5	IV
2.	CORINGA	ALONG GEORGEPETA	20.0	III
3.	GAUTAMI-GODAVARI	ALONG ADAVIPOLAM	25.0	II

6.24 WATER QUALITY OF RIVERS IN PUNJAB

Water Quality of rivers in Punjab was monitored 32 locations on 5 rivers during the year 2019 and 2021, out of which, were found non-complying to the Water Quality Criteria with respect to BOD. The names of 5 polluted rivers are Ghaggar, Kali Bein, Sirsa, Sutlej, Swan. Details of polluted river stretches identified are given in table below.

Table - 25: Number of Polluted River Stretches in Punjab

S NO.	RIVER NAME	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	GHAGGAR	MUBARAKPUR TO SARDULGARH	210.0	I
2.	KALI BEIN	AT MAND FATEHPUR	5.8	V
3.	SIRSA	ALONG BADDI	32.0	I
4.	SUTLEJ	LUDHIANA TO HARIKE	120.0	I
5.	SWAN	ALONG SANTOSHGARH	4.0	V

6.25 WATER QUALITY OF RIVERS IN RAJASTHAN

Water Quality of rivers in Rajasthan was monitored at 35 locations on 20 rivers. During the year 2019 and 2021, 33 locations on 18 rivers were monitored, out of which, 21 locations on 14 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 14 polluted rivers are Banas, Bandi, Berech, Bhanwar Semila, Chambal, Gambhiri, Guwardi, Jawai, Kanota, Khari, Kothari, Luni, Mahi, Piplaad. Details of polluted river stretches identified are given in table below.

Table - 26: Number of Polluted River Stretches in Rajasthan

S NO.	RIVER NAME	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BANAS	BASSI TO BISALPUR	35.7	I
2.	BANDI	ALONG PALI	94.0	I
3.	BERECH	ALONG NAGARI	3.9	V
4.	BHANWAR SEMILA	ALONG BHANWAR SEMLA	3.8	V

S NO.	RIVER NAME	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
5.	CHAMBAL	ALONG KESHORAIPATTAN AND ALONG PALI (SAWAI MADHOPUR)	5.7	V
6.	GAMBHIRI	ALONG CHITTORGARH	4.9	V
7.	GUWARDI	ALONG GUWARDI	9.5	IV
8.	JAWAI	AT JAWAI DAM	11.7	III
9.	KANOTA	ALONG SUMEL	9.5	IV
10.	KHARI	ALONG KELWARA	7.6	IV
11.	KOTHARI	ALONG BHILWARA	6.2	IV
12.	LUNI	ALONG RANAKPUR	3.8	V
13.	MAHI	ALONG BANSWARA	5.0	V
14.	PIPLAAD	AT PIPLAAD DAM	3.2	V

6.26 WATER QUALITY OF RIVERS IN SIKKIM

Water Quality of rivers in Sikkim was monitored at 14 locations on 5 rivers during the year 2019 and 2021. All the monitored locations were found complying to the Water Quality Criteria with respect to BOD.

6.27 WATER QUALITY OF RIVERS IN TAMIL NADU

Water Quality of rivers in Tamil Nadu was monitored at 73 locations on 12 rivers during the year 2019 and 2021, out of which, 53 locations on 10 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 10 polluted rivers are Adyar, Amravati, Bhavani, Cauvery, Cooum, Palar, Sarabanga, Tambiraparani, Thirumanimuthar, Vasishta. Details of polluted river stretches identified are given in table below.

Table - 27: Number of Polluted River Stretches in Tamil Nadu

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	ADYAR	TAMBARAM TO NANDANAM	40.0	I
2.	AMRAVATI	ALONG MADHUTHUKKULAM AND ALONG KARUR	4.0	V
3.	BHAVANI	ALONG BHAVANI	4.6	V
4.	CAUVERY	ALONG METTUR, ALONG ERODE, KATTIPALAYAM TO TRICHY, KUMBAKONAM TO PITCHAVARAM	17.0	III
5.	COOUM	AVADI TO SATHYA NAGAR	345.0	I
6.	PALAR	ALONG VANIYAMBADI	4.0	V

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
7.	SARABANGA	ALONG SALEM	24.0	II
8.	TAMBIRAPARANI	PAPPANKULAM TO ARUMUGANERI	7.5	IV
9.	THIRUMANIMUTHAR	ALONG SALEM	56.0	I
10.	VASISHTA	ALONG SALEM	230.0	I

6.28 WATER QUALITY OF RIVERS IN TELANGANA

Water Quality of rivers in Telangana was monitored at 49 locations on 12 rivers during the year 2019 and 2021, out of which, 37 locations on 9 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 9 polluted rivers are Godavari, Karakavagu, Kinnersani, Krishna, Manair, Manjeera, Munneru, Musi, Nakkavagu. Details of polluted river stretches identified are given in table below.

Table - 28: Number of Polluted River Stretches in Telangana

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	GODAVARI	ALONG BASARA, MANCHERIAL TO RAMAGUNDAM, ALONG KALESHWARAM, ALONG KAMALAPUR, ALONG BHADRACHALAM	24.0	II
2.	KARAKAVAGU	ALONG PALONCHA	4.0	V
3.	KINNERSANI	ALONG KHAMMAM	6.0	V
4.	KRISHNA	ALONG WADAPALLY	3.2	V
5.	MANAIR	KARIMNAGAR TO SOMNAPALLI	16.0	III
6.	MANJEERA	SANGAREDDY TO GOWDICHARLA	6.0	V
7.	MUNNERU	ALONG KHAMMAM	6.0	V
8.	MUSI	BAPUGHAT TO RUDRAVELLY, KASANIGUDA TO VALIGONDA	66.0	I
9.	NAKKAVAGU	ALONG BACHUGUDEM	11.0	III

6.29 WATER QUALITY OF RIVERS IN TRIPURA

Water Quality of rivers in Tripura was monitored at 38 locations on 11 rivers during the year 2019 and 2021, out of which, only one location on river Haora was found non-complying to the Water Quality Criteria with respect to BOD. Details of polluted river stretch identified are given in table below.

Table - 29: Number of Polluted River Stretches in Tripura

S NO.	RIVER NAME	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	HAORA	ALONG AGARTALA	3.8	V

6.30 WATER QUALITY OF RIVERS IN UTTAR PRADESH

Water Quality of rivers in Uttar Pradesh was monitored at 108 locations on 18 rivers during the year 2019 and 2021, out of which, 96 locations on 17 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 17 polluted rivers are Bahela, Banganga, Betwa, Ganga, Ghaghara, Gomti, Hindon, Kali (W), Kalinadi (E), Pilkhar, Ramganga, Rapti, Rihand, Sai, Sone, Varuna and Yamuna. Details of polluted river stretches identified are given in table below.

Table - 30: Number of Polluted River Stretches in Uttar Pradesh

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BAHELA	ALONG TANDA	287.0	I
2.	BANGANGA	ALONG SHUKRATAL	4.1	V
3.	BETWA	GOVIND SAGAR TO HAMIRPUR	6.1	IV
4.	GANGA	FARRUKABAD TO ALLAHABAD, MIRZAPUR TO GHAZIPUR	6.0	V
5.	GHAGHARA	ALONG AYODHYA AND BARHALGANJ TO DEORIA	5.8	V
6.	GOMTI	MOHMEAK TO VARANASI	15.2	III
7.	HINDON	SAHARANPUR TO GHAZIABAD	126.0	I
8.	KALI (W)	ALONG MUZAFFAR NAGAR	81.0	I
9.	KALINADI (E)	MEERUT TO KANNAUJ	144.0	I
10.	PILKHAR	ALONG RAMPUR	3.5	V
11.	RAMGANGA	ALONG SHERKOT AND KANNAUJ	7.2	IV
12.	RAPTI	ALONG GORAKHPUR	6.0	V
13.	RIHAND	ALONG RENUKUT	3.4	V
14.	SAI	ALONG UNNAO AND JALALPUR	4.2	V
15.	SONE	ALONG CHOPAN	4.0	V
16.	VARUNA	RAMESHWAR TO TILL COFL WITH R. GANGA	32.4	I
17.	YAMUNA	ALONG ASGARPUR, NOIDA, VRINDAVAN TO HAMIRPUR	127.0	I

6.31 WATER QUALITY OF RIVERS IN UTTARAKHAND

Water Quality of rivers in Uttarakhand was monitored at 40 locations on 17 rivers during the year 2019 and 2021, out of which, 16 locations on 9 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 9 polluted rivers are Bahela, Banganga, Dhella, Kalyani, Kichha (Kitcha), Koshi, Nandour, Pilkhar and Suswa. Details of polluted river stretches identified are given in table below.

Table - 31: Number of Polluted River Stretches in Uttarakhand

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BAHELA	ALONG KASHIPUR	56.0	I
2.	BANGANGA	ALONG IDRISHPUR	4.0	V
3.	DHELLA	THAKURDWARA TO ADAMPUR	60.0	I
4.	KALYANI	ALONG PANTNAGAR	30.0	II
5.	KICHHA (KITCHA)	KICHHA TO PUL BHATTA	12.0	III
6.	KOSHI	ALONG KASHIPUR	12.0	III
7.	NANDOUR	ALONG SITARGANJ	15.0	III
8.	PILKHAR	ALONG BILASPUR	14.5	III
9.	SUSWA	ALONG MATHURAWALA	30.0	II

6.32 WATER QUALITY OF RIVERS IN WEST BENGAL

Water Quality of rivers in West Bengal was monitored at 59 locations on 26 rivers during the year 2019 and 2021, out of which, 40 locations on 13 rivers were found non-complying to the Water Quality Criteria with respect to BOD. The names of 13 polluted rivers are Barakar, Churni, Damodar, Dwarakeshwar, Dwarka, Ganga, Jalangi, Kansi, Mahananda, Matha Bhanga, Rupnarayan, Teesta and Vindyadhari. Details of polluted river stretches identified are given in table below.

Table - 32: Number of Polluted River Stretches in West Bengal

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
1.	BARAKAR	ALONG ASANSOL	3.1	V
2.	CHURNI	BIJOYPUR TO RANAGHAT	20.8	II
3.	DAMODAR	DISHERGARH TO BURDWAN	5.2	V
4.	DWARAKESHWAR	ALONG BANKURA TOWN	3.8	V
5.	DWARKA	ALONG TARAPITH	5.7	V

S NO.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	MAX BOD OBSERVED	PRIORITY CLASS
6.	GANGA	BEHRAMPUR TO HALDIA	8.0	IV
7.	JALANGI	ALONG KRISHNA NAGAR	6.2	IV
8.	KANSI	ALONG MIDNAPORE	6.3	IV
9.	MAHANANDA	ALONG SILIGURI	31.0	I
10.	MATHA BHANGA	ALONG GOBINDAPUR	15.3	III
11.	RUPNARAYAN	KOLAGHAT TO GEONKHALI	3.7	V
12.	TEESTA	ALONG SEVOKE	3.8	V
13.	VINDYADHARI	HAROA TO MALANCHA	29.6	II

7. COMPARATIVE ASSESSMENT (2018 Vs 2022)

Comparative assessment of PRS identified during year 2018 vs 2022 has been carried out to assess the number of PRS identified, number of polluted rivers identified, number of datasets available and statistically analysed, number of States & UTs having PRS. Detailed comparison of state wise number of stretches identified in each priority class is given in **Annexure IX**. Based on the comparative assessment, main observations are given below.

- During the Year 2018, 351 polluted river stretches were identified on 323 rivers in the country based on analysis of water quality data of 521 rivers for the years 2016 and 2017. In present assessment, 311 polluted stretches are identified on 279 Rivers based on analysis of water quality data of 603 rivers for the years 2019 and 2021.
- Maharashtra still has the highest number of polluted river stretches in the country i.e. 55 identified in the year 2022. In Year 2018, 53 polluted river stretches were identified.
- Significant decrease in number of identified polluted river stretches has been observed in the State of Assam from 44 in year 2018 to 10 in 2022. It is pertinent to mentioned that many of the rivers identified during the year 2018 were declared as wetlands and stagnant water bodies by Assam Government, which are not considered in this exercise.

- In 13 States viz. Andhra Pradesh, Assam, Goa, Gujarat, Jammu & Kashmir, Kerala, Madhya Pradesh, Mizoram, Nagaland, Odisha, Sikkim, Tripura and West Bengal, number of identified polluted river stretches have reduced.
- Number of polluted river stretches have increased in 13 States/UTs viz. Bihar, Chhattisgarh, Haryana, Himachal Pradesh, Jharkhand, Maharashtra, Manipur, Puducherry, Punjab, Rajasthan, Tamil Nadu, Telangana and Uttar Pradesh.
- No change has been observed in number of identified polluted river stretches in 5 States/UTs viz. Daman and Diu, Dadra and Nagar Haveli (1), Delhi (1), Karnataka (17), Meghalaya 7) and Uttarakhand (9).

Comparative assessment of water quality network and other statistics for identification of PRS during Year 2018 and 2022 is given in **Table 33**. State wise number of PRS identified during Year 2018 and 2022 is given in **Table 34** below. **Figure 7** depicts graphical representation of Priority wise PRS identified during Year 2018 and 2022

Table – 33: Comparative assessment of PRS identified during Year 2018 and 2022

Year of Study	2018	2022
Year of Water Quality Data for Study	2016 & 17	2019 & 21
Number of River monitoring locations sanctioned under NWMP during the study	1533 (NWMP network of 3000)	2026 (NWMP network of 4294)
Data sets available for BOD parameter	521 rivers - 1488 locations (793 > 3mg/L)	603 rivers - 1920 locations (817 > 3mg/L)
Priority Class	**Number of polluted river stretches**	
I (> 30 mg/L)	45	46
II (20-30 mg/L)	16	16
III (10-20 mg/L)	43	39
IV (6-10 mg/L)	72	65

V (3-6 mg/L)	175	145
Number of Polluted River Stretches identified	**351**	**311**
Number of Rivers identified as polluted	**323**	**279**
Number of States/UTs in which polluted rivers identified	**31**	**30***

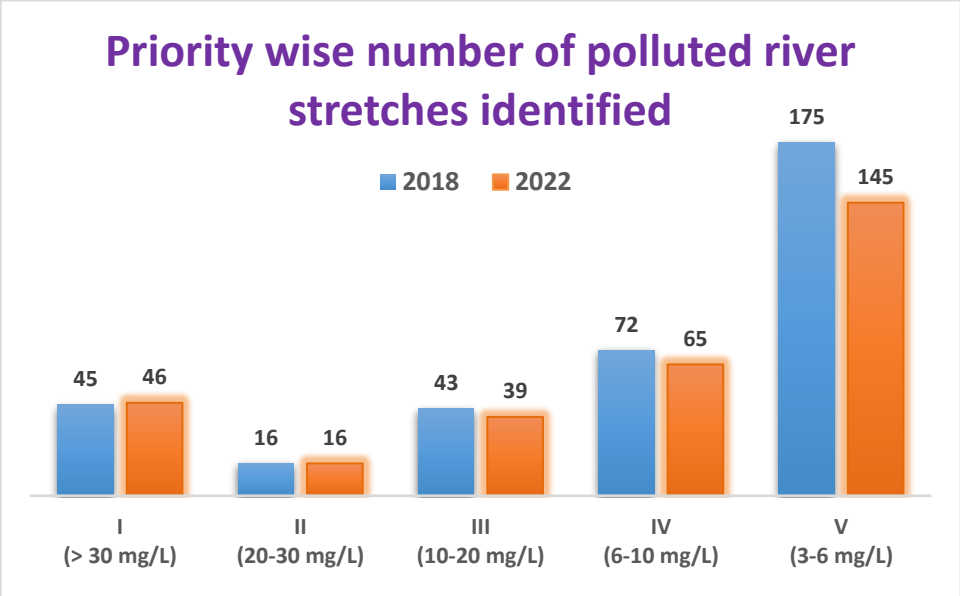
* No polluted rivers identified in Sikkim

Table – 34: State wise number of PRS identified during Year 2018 and 2022

S No	State/UT	Number of PRS during 2022	Number of PRS during 2018
1.	ANDHRA PRADESH	3	5
2.	ASSAM	10	44
3.	BIHAR	18	6
4.	CHHATTISGARH	6	5
5.	DAMAN AND DIU, DADRA AND NAGAR HAVELI	1	1
6.	DELHI	1	1
7.	GOA	6	11
8.	GUJARAT	13	20
9.	HARYANA	3	2
10.	HIMACHAL PRADESH	9	7
11.	JAMMU & KASHMIR	8	9
12.	JHARKHAND	9	7
13.	KARNATAKA	17	17
14.	KERALA	18	21
15.	MADHYA PRADESH	19	22
16.	MAHARASHTRA	55	53
17.	MANIPUR	13	9
18.	MEGHALAYA	7	7
19.	MIZORAM	3	9
20.	NAGALAND	4	6
21.	ODISHA	7	19
22.	PUDUCHERRY	3	2
23.	PUNJAB	5	4
24.	RAJASTHAN	14	2

25.	SIKKIM	-	4
26.	TAMIL NADU	10	6
27.	TELANGANA	9	8
28.	TRIPURA	1	6
29.	UTTAR PRADESH	17	12
30.	UTTARAKHAND	9	9
31.	WEST BENGAL	13	17
	GRAND TOTAL	**311**	**351**

Fig – 7: Graphical representation of Priority wise PRS identified during Year 2018 and 2022



7.1 POLLUTED RIVER STRETCHES WITH SIGNIFICANT IMPROVEMENT IN WATER QUALITY

Improvement in water quality has been observed in 180 polluted river stretches identified during year 2018 w.r.t BOD parameter.

I. 106 number of river stretches have been delisted from the list of polluted stretches identified in years 2019 & 21. State-wise number are provided in **Table 35** below. Detailed list of Polluted River Stretches omitted from the present list is given in **Annexure X.**

Table – 35: Number of Polluted River Stretches omitted from the present list of PRS

S NO.	State/ UT	Number of River Stretches
1.	ANDHRA PRADESH	5
2.	ASSAM	22
3.	GOA	7
4.	GUJARAT	8
5.	HIMACHAL PRADESH	1
6.	JAMMU & KASHMIR	2
7.	JHARKHAND	3
8.	KARNATAKA	4
9.	KERALA	11
10.	MADHYA PRADESH	7
11.	MAHARASHTRA	1
12.	MIZORAM	7
13.	NAGALAND	2
14.	ODISHA	10
15.	PUDUCHERRY	1
16.	PUNJAB	1
17.	SIKKIM	4
18.	TRIPURA	5
19.	UTTARAKHAND	1
20.	WEST BENGAL	4
	Total	**106**

II. Improvement in water quality of 74 previously identified polluted river stretches has been observed which is reflected by shift to lower Priority Class. Priority-wise number are provided in **Table 36** below. Detailed list of Polluted River Stretches are given in **Annexure – XI**.

Table – 36: Priority wise number of Polluted River Stretches where improvement is observed

Priority class identified during year 2018	Priority class identified during year 2022				Grand Total
	II	III	IV	V	
I	5	8	2	1	16
II		5	3	2	10
III			11	8	19
IV				29	29
Grand Total	**5**	**13**	**16**	**40**	**74**

7.2 POLLUTED RIVER STRETCHES WITH NO CHANGE IN WATER QUALITY

No change has been observed in Priority Class of 108 polluted river stretches in both the assessments. Out of 108, 27 are identified in P – I, 02 are identified in P – II, 08 are identified in P – III, 04 are identified in P – IV and 58 are identified in P – V class. State wise list of river stretches with no change in water quality observed during the year 2018 & 2022 is given in **Annexure XII.**

8. CONCLUSION

Over the years, monitoring network on rivers under NWMP has been enhanced from 1533 river monitoring locations in year 2017 to 2026 river monitoring locations in year 2021.

Decline in number of polluted river stretches are observed which mainly due to actions taken by State Governments / UT Administrations for rejuvenation of the polluted river stretches identified during the year 2018.

1) Number of polluted river stretches substantially reduced from 175 to 145 under Priority V category.

2) Gradual decreasing trend is observed in number of identified PRS from 43 to 39, 72 to 65 and 175 to 145 under Priority III, II & V respectively.

3) No change/ slight change in Priority I & II category of polluted river stretches indicates that stringent actions are required for control of organic pollution for point sources of pollution with development of infrastructure and proper operation for treatment of wastewater before discharge into recipient water bodies.

Table 37: Location wise maximum BOD observed in year 2019 & 21

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
1	ANDHRA PRADESH	GOSTANI	4372	RIVER GOSTANI SAMPLE BEFORE CONFLUENCE WITH M/S DELTA PAPER MILL EFFLUENTS, VENDRA, PALAKODERU	8.6
2		UPPUTERU	4379	RIVER UPPUTERU BEFORE CONFLUENCE WITH SEA, AT CHINAGOLLAPALEM VILLAGE, KRUTHIVENNU (M)	3.4
3		VASISHTA	4365	RIVER VASISHTA (GODAVARI) UPSTREAM OF NARASAPURAM TOWN BEFORE CONFLUENCE OF TOWN SEWAGE	5.9
4			4366	RIVER VASISHTA (GODAVARI) DOWNSTREAM OF NARASAPURAM TOWN AFTER CONFLUENCE OF TOWN SEWAGE	58.0
5	ASSAM	BEGA	3765	RIVER BEGA MG ROAD, MANGALDOI	3.9
6		BHARALU	1528	RIVER BHARALU AT GUWAHATI, ASSAM	76.0
7		BURHIDIHING	1422	RIVER BURHIDIHING AT MARGHERITA, ASSAM	3.6
8		DHANSIRI	30073	RIVER DHANSIRI AT BOKAJAN	3.5
9			30074	RIVER DHANSIRI AT NUMALIGARH	3.3
10		DIGBOI	1530	RIVER DIGBOI AT LAKHIPATHE, RESERVE FOREST, DIGBOI, ASSAM	5.2
11		KHARSANG	2061	RIVER KHARSANG B/C WITH BURIDIHING NEAR KHARSANG (ASSAM-ARUNANCHAL BORDER), ASSAM	3.3
12		KULSI	3810	RIVER KULSI AT CHAYGAON NEAR NH37 CROSSING	3.2
13		MORA BHARALI	1531	RIVER MORA BHARALI AT TEZPUR, ASSAM	3.6
14		PAGLDIA	2065	RIVER PAGLDIA NEAR NALBARI TOWN, DIST. NALBARI, ASSAM	3.4
15		TOCKLAI	4011	RIVER TOCKLAI NEAR BRIDGE AT JORHAT	4.8
16	BIHAR	BAGMATI	3135	RIVER BAGMATI AT DARBANGA, SAMASTIPUR ROAD BRIDGE, DARBHANGA	3.6
17		BURHI GANDAK/ SIKRAHNA	4295	RIVER BURHI GANDAK AT KHAGARIA ROAD BRIDGE, KHAGARIA	3.7
18			4300	RIVER BURHI GANDAK AT LAL BAGLA GHAT, MOTIHARI DHAKA ROAD, EAST CHAMPARAN	9.9
19			1820	RIVER SIKRAHNA AT CHANPATIYA, EAST CHAMPARAN	7.0
20			2575	RIVER SIKRAHNA AT LAL PARSE, BITTIAH, EAST CHAMPARAN	4.0
21			4291	RIVER SIKRAHNA LAURIA-NARKATIAGANJ ROAD BRIDGE, WEST CHAMPARAN	10.0
22		DAHA	1821	RIVER DAHA AT SIWAN	6.0
23			2560	RIVER DAHA D/S AT SASAMUSA, GOPALGANJ	3.7
24			2561	RIVER DAHA AT ITWA BRIDGE, GOPALGANJ	3.9
25			3129	RIVER DAHA AT MEERGANJ	3.5
26			4292	RIVER DAHA U/S SASAMUSA, GOPALGANJ	3.3
27			4397	RIVER DAHA D/S RAJENDRA ROAD BRIDE SIWAN	10.0
28		DHOUS	1823	RIVER DHOUS AT MADHUVAPUR, MADHUBANI	5.6
29			4405	RIVER DHOUS AT MADHWAPUR, MADHUBANI	5.6
30		GANDAK	2568	RIVER GANDAK AT REWAGHAT, MUJAFFARPUR	3.8
31		GANGA	1077	RIVER GANGA AT KURJI, PATNA U/S	4.0
32			1815	RIVER GANGA AT MOKAMA (D/S)	7.9
33			1818	RIVER GANGA AT MUNGER	3.2
34			2551	RIVER GANGA AT BUXAR, RAMREKHAGHAT	3.3

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
35			2553	RIVER GANGA AT KEWALA GHAT,FATUHA, PATNA	4.1
36			3113	RIVER GANGA AT D/S BUXAR NEAR ROAD BRIDGE	6.4
37			3114	RIVER GANGA NEAR DANAPUR (NEAR PIPA PUL) ,PATNA	4.0
38			3118	RIVER GANGA AT U/S BHAGALPUR NEAR BARARIGHAT	6.6
39			4398	RIVER GANGA AT WATER INTAKE POINT, BHAGALPUR	3.2
40			10115	RIVER GANGA AT GULABI GHAT, PATNA	3.2
41			10138	RIVER GANGA AT CHAMPANAGAR, BHAGALPUR	4.2
42			30076	RIVER GANGA AT MANJHIGHAT(BIHAR)	4.8
43		GANGI	4404	RIVER GANGI AT ARA, D/S	8.0
44		GHAGHARA	1076	RIVER GHAGHARA NEAR CHAPRA, RIBILGANJ, SARAN	3.6
45		HARBORA	2558	RIVER HARBORA AT NARKATIAGANJ, WEST CHAMPARAN	8.0
46		KAMALA	2569	RIVER KAMALA AT DARBHANGA	5.0
47		KOHRA	4293	RIVER KOHRA (GANGA) U/S RAJ GHAT, MANJHAULIA, WEST CHAMPARAN	4.0
48			4294	RIVER KOHRA (GANGA) D/S RAJ GHAT, MANJHAULIA, WEST CHAMPARAN	8.0
49		LAKHANDEI	4400	RIVER LAKHANDEI SITAMARHI U/S	3.1
50			4401	RIVER LAKHANDEI SITAMARHI D/S	11.0
51		MANUSMAR	2563	RIVER MANUSMAR AT RIGA, SITAMARHI	6.0
52			4402	RIVER MANUSMAR AT PARSHURAMPUR, RIGA - BELSUND ROAD, SITAMARHI	5.2
53		PARMAR	1824	RIVER PARMAR AT JOGBANI, ARARIA	3.4
54		PUNPUN	2555	RIVER PUNPUN AT PUNPUN, PATNA	10.0
55			3119	RIVER POONPUN NEAR POONPUN RAIL BRIDGE, PATNA	3.8
56		RAMREKHA	2559	RIVER RAMREKHA AT HARINAGAR, WEST CHAMPARAN	12.0
57			3130	RIVER RAMREKHA AT U/S HARINAGAR, WEST CHAMPARAN	8.4
58		SIRSIYA	1822	RIVER SIRSIYA AT RAXAUL, EAST CHAMPARAN	30.0
59			3136	RIVER SIRSIYA D/S RAXAUL (KOERIA TOLA), EAST CHAMPARAN	30.0
60		SONE	1075	RIVER SONE AT KOELWAR, BHOJPUR	4.0
61	CHHATTISGARH	ARPA	1848	RIVER ARPA D/S OF BILASPUR, CHHATISGARH.	9.6
62		HASDEO	1106	RIVER HASDEO AT U/S OF CHAMPA, CHHATISGARH.	3.4
63		KELO	1849	RIVER KELO U/S OF RAIGARH, CHHATISGARH.	3.3
64			1850	RIVER KELO D/S OF RAIGARH, CHHATISGARH.	3.9
65		KHAROON	1846	RIVER KHAROON A/C KHAPRI DRAIN, CHHATISGARH.	6.2
66			1847	RIVER KHAROON B/C KHAPRI DRAIN, DURG, RAIPUR ROAD BRIDGE, CHHATISGARH.	28.5
67		MAHANADI	1100	RIVER MAHANADI AT KHARAD, CHHATISGARH.	3.2
68			1101	RIVER MAHANADI AT INTERSTATE BOUNDRY, CHHATISGARH.	3.4
69			1282	RIVER MAHANADI AT SHEORINARAYAN VILLAGE, CHHATISGARH.	3.6
70			1467	RIVER MAHANADI AFTER CONFL. WITH RIVER MAND, CHHATISGARH.	3.8
71		SEONATH	3166	RIVER SEONATH AT JHINGHRI VILLAGE, A/C OF SAMODA NALLA, CHHATISGARH.	6.4
72			3167	RIVER SEONATH AT RAJNANDGAON, D/S AT MOHAD, RAJNANDGAON, CHHATISGARH.	3.2

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
73	DAMAN AND DIU, DADRA AND NAGAR HAVELI	DAMANGANGA	2459	RIVER DAMANGANGA AT ZARI CAUSE WAY BRIDGE, DAMAN	12.2
74			2460	RIVER DAMANGANGA AT DISCHARGE POINT OF DISTILLERY, DAMAN	6.1
75			2461	RIVER DAMANGANGA AT DAMAN JETTY, MOTI DAMAN	7.1
76			2462	RIVER DAMANGANGA AT VAPI WEIR, VAPI, DAMAN	14.3
77			2466	RIVER DAMANGANGA AT VILLAGE NAMDHA, VAPI	14.8
78			30040	RIVER DAMANGANGA AT ZERI CAUSEWAY, (UT OF DAMAN)	9.1
79	DELHI	YAMUNA	1120	RIVER YAMUNA AT PALLA, DELHI	11.0
80			1121	RIVER YAMUNA AT NIZAMUDDIN, DELHI	48.0
81			1375	RIVER YAMUNA AT OKHLA BRIDGE (INLET OF AGRA CANAL), DELHI	56.0
82			1812	RIVER YAMUNA AT OKHLA AFTER MEETING OF SHAHDARA DRAIN, DELHI	83.0
83			5098	RIVER YAMUNA AT WAZIRABAD	10.0
84			5099	RIVER YAMUNA AT ISBT BRIDGE	38.0
85			5100	RIVER YAMUNA AT ITO BRIDGE	62.0
86			30026	RIVER YAMUNA AT PALLA (DELHI)	14.0
87	GOA	KALNA	1543	RIVER KALNA AT CHANDEL- PERNEM, GOA	4.0
88		KHANDEPAR	1546	RIVER KHANDEPAR AT OPA - PONDA, GOA	4.2
89		MANDOVI	3185	RIVER MANDOVI AT AMONA BRIDGE	3.7
90		MAPUSA	2274	RIVER MAPUSA ON CULVERT ON HIGHWAY MAPUSA-PANAJI	5.0
91		SAL	2271	RIVER SAL PAZORKHONI, CUNCOLIM(NEAR CULVERT MARGAO- CANACONA NATIONAL HIGHWAY)	3.5
92			3183	RIVER SAL AT KHAREBAND, MARGAO	6.0
93			3184	RIVER SAL AT ORLIM BRIDGE, ORLIM	3.9
94		ZUARI	1475	RIVER ZUARI AT PANCHAWADI	3.8
95			3181	RIVER ZUARI AT BORIM BRIDGE	6.4
96			3182	RIVER ZUARI AT MARCAIM JETTY	5.0
97	GUJARAT	AMLAKHADI	1434	RIVER AMLAKHADI AFTER CONFL. OF W. WATER FROM ANKLESH	49.0
98			1980	RIVER AMLAKHADI AT PUNGAM ANKLESHWAR DISTT BHARUCH	43.0
99		BHADAR	1436	RIVER BHADAR D/S JETPUR VILL. AFTER CONF. OF W.WATER FROM JETPUR CITY,	258.6
100		BHOGAVO	2072	RIVER BHOGAVO D/S OF SURENDRANAGAR.	6.0
101		BHUKHI KHADI	4417	RIVER BHUKHI KHADI, U/S OF GIDC VILAYAT, TA; VAGRA, DIST BHARUCH.	3.1
102			4418	RIVER BHUKHI KHADI, D/S OF GIDC VILAYAT, TA; VAGRA, DIST BHARUCH	3.8
103			4419	RIVER BHUKHI KHADI D/S OF GIDC SAYKHA, VILL: KOTHIYA TA: VAGRA, DIST BHARUCH	3.9
104		DAMANGANGA	1246	RIVER DAMANGANGA AT KACHIGAON D\S (DAMAN),	5.3
105			30039	RIVER DAMANGANGA AT D/S OF GIDC WEIR, VAPI	4.5
106		DHADAR	1865	RIVER DHADAR AT KOTHADA	33.0
107		KHARI	1437	RIVER KHARI AT LALI VILLAGE NEAR AHMEDABAD,	195.0
108		MAHI	1863	RIVER MAHI AT UMETA BRIDGE	12.0
109			1864	RIVER MAHI AT MUJPUR	4.2
110			3206	RIVER MAHI AT SHERKHI BRIDGE	4.3

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
111		MINDHOLA	1438	RIVER MINDHOLA AT STATE HIGHWAY BRIDGE SACHIN,	28.0
112		SABARMATI	2	RIVER SABARMATI AT AHMEDABAD AT V.N. BRIDGE	292.0
113			1223	RIVER SABARMATI AFTER CONF. WITH MESHWA AT VAUTHA (NEAR DHOKLA),	50.0
114			1408	RIVER SABARMATI AT VILL. MIROLI TALUKA DASCROI, AHMEDABAD,	55.0
115			1409	RIVER SABARMATI AT RAILWAY BRIDGE AHMEDABAD,	14.0
116			1866	RIVER SABARMATI AT HANSAOL BRIDGE,	4.0
117			10014	RIVER SABARMATI AT AHMEDABAD U/S	4.0
118			10015	RIVER SABARMATI AT AHMEDABAD D/S	55.0
119		SHEDHI	1222	RIVER SHEDHI AT KHEDA,	6.2
120		TAPI	30045	RIVER TAPI AT NIZHAR (MAHARASHTRA GUJARAT)	3.4
121		VISHWAMITRI	3204	RIVER VISHWAMITRI DOWNSTREAM OF AT KHALIPUR VILLAGE, BEFORE MEETING JAMBUVA RIVER	38.0
122	HARYANA	GHAGGAR	1025	RIVER GHAGGAR GH-1 AT ROAD BRDG. SIRSA, DEBWALI ROAD	56.0
123			1026	RIVER GHAGGAR GH-2 AT CHANDARPUR SYPHEN	60.0
124			1884	RIVER GHAGGAR AT KALA AMB D/S MARKANDA	60.0
125			1885	RIVER GHAGGAR AT D/S OF SURAJPUR	7.5
126			1887	RIVER GHAGGAR BEFORE OTTU WEIR (BEFORE MIXING OF SATLUJ CANAL WATER)	70.0
127			30014	RIVER GHAGGAR AT PARWANOO D/S,AMRAVATI, HARYANA	13.0
128			30017	RIVER GHAGGAR AT SIRSA DABWALI ROAD (HARYANA)	19.0
129			30018	RIVER GHAGGAR AT CHANDRAPUR SIPHON (HARYANA)	206.0
130			30020	RIVER GHAGGAR AT OTTU WEIR (HARYANA)	94.0
131		MARKANDA	30007	RIVER MARKANDA AT NARAINGARH (HARYANA)	29.0
132		YAMUNA	1117	RIVER YAMUNA AT HATHNIKUND, YAMUNANAGAR	5.8
133			1119	RIVER YAMUNA AT SONEPAT	11.0
134			1496	RIVER YAMUNA AT KALANAUR, YAMUNA NAGAR	4.2
135			4914	RIVER YAMUNA AT MANGLAURA, KARNAL	7.9
136			10004	RIVER YAMUNA AT KHOJKIPUR PANIPAT	21.0
137			10005	RIVER YAMUNA AT PALLA,SONEPAT	4.8
138			30024	RIVER YAMUNA AT MOHENA PALWAL ROAD, HARYANA	30.0
139			30029	RIVER YAMUNA AT SONIPAT, BAGHPAT ROAD(HARYANA)	20.0
140			30031	RIVER YAMUNA AT HASANPUR	43.0
141			30032	RIVER YAMUNA AT SONAULI ROAD, SHAMLI BORDER , PANIPAT (HARYANA)	10.0
142	HIMACHAL PRADESH	ASHWINI KHAD	4428	ASHWANI KHAD U/S OF WEIR SITE OF WTP NEAR ASHWANI BRIDGE	80.0
143			4429	D/S OF ASHWANI KHAD (AFTER CONFLUENCE OF LIFT NALLAH)	14.0
144		BALD	4486	RIVER BALD D/S LANDFILLSITE AT BADDI	40.0
145		GIRI	2621	RIVER GIRI AT D/S YASHWANT NAGAR	3.3
146			3876	RIVER GIRI AFTER CONFLUENCE OF ASHWANI RIVER AT GIRIPUL, YASHWANT NAGAR	3.8
147			4442	RIVER GIRI D/S PROPOSED SITE OF SRI RENUKAJI DAM SITE NEAR BRIDGE AT DADAHU- RENUKAJI	4.8
148		MARKANDA	3862	RIVER MARKANDA D/S OF SALANI KHAD	3.2

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
149			3864	RIVER MARKANDA D/S OF MOGINAND NALA	4.0
150			30008	RIVER MARKANDA AT KALA AMB U/S (H.P)	3.8
151		PABBAR	2619	RIVER PABBAR AT D/S SWARAKUDDU	4.6
152		RATTA	4488	RIVER RATTA BEFORE CONF. TO RIVER SIRSA	8.0
153		SHIKARI KHAD	4431	SHIKARI KHAD BEFORE CONFLUENCE TO RIVER PABBAR NEAR HRTC ROHRU BUS STAND	4.6
154		SIRSA	1551	RIVER SIRSA U/S SITOMAJRI NALLAHGARH	4.0
155			1552	RIVER SIRSA D/S NALAGARH BRIDGE	14.0
156			1868	RIVER SIRSA AT D/S NALAGARH DISTT. SOLAN	7.2
157			4485	RIVER SIRSA U/S SANDHOLI NALLAH	9.2
158			4487	RIVER SIRSA D/S HOUSING BOARD NALLAH	40.0
159			4489	RIVER SIRSA D/S RIVER RATTA	18.5
160		SUKHANA	1870	RIVER SUKHANA AT PARWANOO, DISTT. SOLAN	72.0
161	JAMMU & KASHMIR	BANGANGA	2755	RIVER BANGANGA (BATHING GHAT), KATRA,	5.2
162			2756	RIVER BANGANGA (IN FRONT OF PONY SHED NEAR REASI BRIDGE)KATRA	6.2
163		BASANTER	2752	RIVER BASANTER U/S (R.H.S) SAMBA (BELOW NH-1A BRIDGE),	4.2
164			2753	RIVER BASANTER D/S(R.H.S.) SAMBA (AT CHAK MANGA GUJJAR	3.3
165		CHUNTKOL	1307	RIVER CHUNT KOL (MAULANA AZAD BRIDGE)	11.2
166		DEVAK	2754	RIVER DEVAK UDHAMPUR(NEAR SHIV MANDIR D/S)L.H.S.	10.0
167		GAWKADAL	1306	RIVER GAWKADAL, SRG (SHERGHARI, SRG)	3.2
168		JHELUM	1411	RIVER JHELAM AT CHATTABAL WEIR (OUTLET	3.5
169			3274	RIVER JHELUM AT AWANTIPORA	3.5
170			3276	RIVER JHELUM AT SOPORE, CONFLUENCE POINT OF WULAR LAKE	3.2
171			3277	RIVER JHELUM AT BARAMULLA D/S	3.5
172			4054	RIVER JHELUM AT PANTHACHOWK	7.8
173		LIDDER	4052	RIVER LIDDER NEAR LAVENDER PARK	7.0
174		TAWI	1412	RIVER TAWI AT JAMMU U/S, (TAWI BRIDGE)	12.0
175			2744	RIVER TAWI BELOW TAWI BRIDGE	3.9
176			2745	RIVER TAWI BAGHWATI NAGAR (2KM D/S TAWI BRIDGE	8.0
177			2746	RIVER TAWI AT BELICHARANA(4KM D/S TAWI BRIDGE)	3.2
178			4055	RIVER TAWI AT 1 KM D/S BELOW STP DISCHARGE POINT AT BHAGWATI NAGAR	6.8
179			4056	RIVER TAWI AT BALOL NALLAH, NEAR NIT COLLEGE, MIRAN SAHIB, BEFORE MIXING	14.0
180	JHARKHAND	BOKARO	2381	RIVER BOKARO AT ZARANGDIH BRIDGE	3.9
181		DAMODAR	2380	RIVER DAMODAR AT RAMGARH ROAD BRIDGE	3.5
182			3553	RIVER DAMODAR NEAR TELMUCHO BRIDGE	3.5
183			3556	RIVER DAMODAR AT CONFLUENCE OF BOKARO & DAMODAR NEAR ZARANGDIH BRIDGE, BOKARO	3.4
184		GARGA	4000	RIVER GARGA NEAR TELMUCHO BRIDGE	4.9
185		HARMU	4753	RIVER HARMU NEAR HARMU BRIDGE, HARMU, RANCHI	10.1
186			4754	RIVER HARMU BEFORE METTING TO SWARNREKHA RIVER	10.1

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
187		JUMAR	2396	RIVER JUMAR AT KANKE DAM	3.8
188			4085	RIVER JUMAR AT BIT MESRA, RANCHI	5.3
189		KATRI	4739	RIVER KATRI RIVER, NEAR BHATINDA FALL, AT- TETENGABAD, MOONIDIH, DHANBAD	3.6
190		KHARKHAI	4745	RIVER KHARKHAI BEFORE MEETING SWARNREKHA RIVER	8.0
191		KOINA	4747	RIVER KOINA RIVER, MANOHARPUR, W.S	3.1
192		SUBARNAREKHA	23	RIVER SUBARNAREKHA AT RANCHI, (TATISILWAI)	5.8
193			24	RIVER SUBARNAREKHA AT JAMSHEDPUR	4.8
194			49	RIVER SUBARNAREKHA AT D/S JAMSHEDPUR, (TATA NAGAR)	10.0
195			2385	RIVER SUBARNAREKHA AT NAMKUM ROAD BRIDGE	6.8
196			2386	RIVER SUBARNAREKHA AT MURI ROAD BRIDGE	3.4
197			4084	RIVER SUBARNREKHA AT HATIA ROAD BRIDGE, RANCHI	3.5
198			4746	RIVER SWARNREKHA AFTER CONFLUENCE OF KHARKAI RIVER	9.5
199	KARNATAKA	AGHANASHINI	4088	RIVER AGHANASHINI RIVER, NR BRIDGE, KUMATA	3.3
200		ARKAVATHI	1165	RIVER ARKAVATHI AT D/S OF KANAKAPURA TOWN,	39.0
201			2778	RIVER ARKAVATHI AT T.G. HALLI RESERVOIR, ,	22.0
202			2779	RIVER ARKAVATHI AT HESARAGHATTA RESERVOIR,	21.0
203			4108	RIVER AKRAVATHI BEFORE CONFLUENCE AT SANGAM	8.0
204		BHADRA	1169	RIVER BHADRA AT D/S OF KIOCL ROAD BRIDGE, NEAR HOLEHUNNUR,	3.5
205			1387	RIVER BHADRA AT D/S OF BHADRAVATHI,	7.0
206		BHIMA	1167	RIVER BHIMA AT D/S OF BDG. NEAR YADGIR,	4.0
207			1183	RIVER BHIMA AT D/S OF ROAD BRIDGE AT GANGAPUR VILLAGE,	4.0
208			1184	RIVER BHIMA AT FEROZABAD VILLAGE (D/S),	4.0
209			1888	RIVER BHIMA AT CONFLUENCE OF JEWARGI TOWN SEWAGE DISPOSAL POINT	4.0
210		CAUVERY	1171	RIVER CAUVERY AT SRI RANGAPATTANNA, D/S OF ROAD BDG.,	3.5
211			4109	RIVER CAUVERY BEFORE CONFLUENCE AT SANGAM	6.0
212		DAKSHINAK PINAKINI	4107	RIVER DAKSHINA PINAKINI NEAR MUGALUR BRIDGE MUGALUR, BENGALURU	111.0
213		GANGAVALI	4087	RIVER GANGAVALI AT NR BRIDGE, ANKOLA	3.4
214		KABINI	2775	RIVER KABINI AT BATHING GHAT, NANJANAGUD,	3.8
215		KAGINA	1895	RIVER KAGINA D/S OF SEWAGE DISPOSAL POINT	3.1
216		KRISHNA	1028	RIVER KRISHNA AT TINTINI BRIDGE,	3.6
217			1170	RIVER KRISHNA AT D/S OF DEVASAGAR BDG.,	3.2
218			1181	RIVER KRISHNA AT D/S OF NARAYANPURA DAM,	4.4
219			1182	RIVER KRISHNA AT U/S OF UGARKHURD BARRAGE,	3.6
220			2781	RIVER KRISHNA AT D/S OF ALAMATTI DAM,	4.7
221		LAKSHMANTIRTHA	1196	RIVER LAKSHMANTIRTHA AT D/S OF HUNSUR TOWN,	5.2
222			2772	RIVER LAKSHMANTIRTHA AT D/S OF KATTEMALAVADI,	5.6
223			3572	RIVER LAKSHMANTIRTHA AT WATER SUPPLY INTAKE POINT TO HUNSUR TOWN	4.2
224		NETRAVATHI	1892	RIVER NETRAVATHI U/S OF DHARMASTALA AT WATER SUPPLY INTAKE POINT	6.0

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
225		SHARAVATHI	4090	RIVER SHARAVATHI NR BRIDGE AT HONNAVARA	3.3
226		SHIMSHA	1166	RIVER SHIMSHA AT D/S OF BRIDGE, HALAGUR,	3.8
227			1200	RIVER SHIMSHA AT D/S OF HIGHWAY BRIDGE, YEDIYAR,	9.5
228			3567	RIVER SHIMSHA D/S NEAR MADDUAR TOWN	3.5
229		THENPENNAI	30053	RIVER THENPENNAIYAR AT CHOKKARASANAHALLI BRIDGE (BANGALORE)	72.0
230		TUNGA	1168	RIVER TUNGA AT D/S OF SHIMOGA TOWN,	6.0
231			4106	RIVER TUNGA U/S SHIVAMOGGA CITY	4.2
232		TUNGABHADRA	29	RIVER TUNGABHADRA AT ULLANUR	4.0
233			38	RIVER TUNGABHADRA AT HONNALI BRIDGE	4.8
234			1896	RIVER TUNGABHADRA AT CONFLUENCE POINT OF TUNGA AND BHADRA AT KUDLI	4.0
235			2768	RIVER TUNGABHADRA AT D/S OF HPF,	6.2
236			2769	RIVER TUNGABHADRA AT JACKWELL POINT,	3.8
237			2770	RIVER TUNGABHADRA AT HARIHAR WATER SUPPLY INTAKE,	5.6
238			4494	RIVER TUNGABHADRA AT MYLARA	3.5
239			30054	RIVER TUNGABHADRA AT HOCHECHALLI (BANGALORE)	4.0
240	KERALA	AYROOR	2286	RIVER AYROOR AT AYROOR BRIDGE	5.5
241		CHALAKUDY	1154	RIVER CHALAKUDY AT PULICKALKA-DAVU, KERALA	3.3
242		CHITTHRAPUZHA	1573	RIVER CHITTHRAPUZHA AT IRUMPANAM, KERALA	3.2
243		KADALUNDY	1566	RIVER THIRURANGADY, KERALA	3.4
244			2293	RIVER KADALUNDI AT HAJIRAPPALLY	3.3
245		KADAMBAYAR	2337	RIVER KADAMBAYAR AT BRAHMAPURAM	4.0
246			2338	RIVER KADAMBAYAR AT MANCKAKADAVU	4.4
247		KALLAI	2294	RIVER KALLAYI AT KALLAI BRIDGE	4.6
248		KALPATHI PUZHA	3460	RIVER KALPATHI PUZHA AT KALPATHI, PALAKKAD	3.3
249		KARMANA	1155	RIVER KARAMANA AT MOONNATTUMUKKU, KERALA	10.2
250			3471	RIVER KARAMANA AT ARUVIKARA, THIRUVANANTHAPURAM	4.3
251		KORAYAR	2326	RIVER KORAYAR AT KANJIKODE	3.5
252		MAMOM	2285	RIVER MAMOM AT MAMOM BRIDGE	4.6
253		MANIMALA	1384	RIVER MANIMALA AT THONDRA, KERALA	3.1
254		NEYYAR	1563	RIVER NEYYAR AT AMARAVILA, KERALA	3.9
255			2284	RIVER NEYYAR AT ARUVIPURAM	6.5
256		PAMBA	1565	RIVER PAMBA DOWN, KERALA	3.9
257			10017	RIVER PAMBA D/S	3.9
258		PERIYAR	17	RIVER PERIYAR NEAR ALWAYE-ELOOR	3.3
259			2335	RIVER PERIYAR AT KALAMASSERY	3.6
260			2336	RIVER PERIYAR AT PURAPPALLIKAVU	3.9
261		PULLUR	2303	RIVER PULLUR AT PULLUR BR.	3.8

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
262		THIRUR	2292	RIVER THIRUR AT THALAKKADATHUR BRIDGE	3.2
263		UPPALA	2306	RIVER UPPALA AT UPPALA BR.	3.3
264		VAMANAPURAM	1442	RIVER VAMANAPURAM, KERALA	6.3
265	MADHYA PRADESH	BETWA	2119	RIVER BETWA AT NAYAPUR D/S MANDIDEEP INDL. AREA NO.1, DIST.RAISEN	7.3
266			2121	RIVER BETWA NEAR ROAD BRIDGE, BHOJPUR	3.4
267			2124	RIVER BETWA AT CHARANTIRGHAT, VIDISHA	6.7
268			2125	RIVER BETWA D/S AFTER MIXING OF BAIS AT VIDISHA	6.7
269			30080	RIVER BETWA AT KANJIA ROAD BRIDGE, ASHOK NAGAR (M.P.)	5.3
270		BICHIA	2117	RIVER BICHIA, BRIDGE GOVINDGARH ROAD	4.0
271		CHAMBAL	1366	RIVER CHAMBAL AT NAGDA D/S, M.P.	72.0
272			3309	RIVER CHAMBAL AT TAL VILLAGE NEAR BRIDGE, UJJAIN	5.8
273			30060	RIVER CHAMBAL AT FISH FARM, GANDHISAGAR	6.0
274		CHAMLA	3310	RIVER CHAMLA AT W/S INTAKE POINT BADNAGAR, UJJAIN	3.4
275		HIRAN	3829	RIVER HIRAN, NH -12 ROAD BRIDGE VIL VIKRAMPUR ,DIST NARSINGPUR	7.8
276			4613	RIVER HIRAN AFTER MIXING PARIYAT NEAR ROAD BRIDGE AT VILL GANIYARI, JABALPUR	6.0
277		JOHILA	1611	RIVER JOHILA NEAR NAROJABAD NEAR UMARIA ROAD BRIDGE, M.P	7.7
278		KALIASOT	2120	RIVER KALIASOT NEAR ROAD BRIDGE, MANDIDEEP	3.9
279		KANHAN	3312	RIVER KANHAN AT CHINDWARA BEFORE MIXING BOREGAON GROWTH CENTRE NALLA, JABALPUR	7.8
280		KHAN	1367	RIVER KHAN AT KABIT KHEDI (NEAR INDORE) M.P.	40.0
281			2110	RIVER KHAN AT SAKKAR KHADI, INDORE	46.0
282			2111	RIVER KHAN AT SANWER	36.0
283		KSHIPRA	1369	RIVER KSHIPRA AT RAMGHAT AT UJJAIN, M.P.	12.8
284			1370	RIVER KSHIPRA AT TRIVENISANGAM (1 KM. D/S OF SANGAM), M.P.	7.0
285			1468	RIVER KSHIPRA AT SIDDHAWAT (D/S) OF UJJAIN., M.P.	18.0
286			3315	RIVER KSHIPRA AT GAUGHAT, UJJAIN	9.0
287			3316	RIVER KSHIPRA AT U/S OF MAHIDPUR CITY, UJJAIN	4.0
288		KUNDA	2114	RIVER KUNDA AT KHARGONE	4.2
289		MAHI	30058	RIVER MAHI AT VILLAGE BAJNA (M.P.)	5.0
290		MALEI	2104	RIVER MALEI AT JAORA	4.0
291		MANDAKINI	1372	RIVER MANDAKINI AT CHITRAKUT, M.P.	3.2
292		NEWAJ	3319	RIVER NEWAJ AT W/S INTAKE POINT, SHUJALPUR, UJJAIN	3.5
293			3320	RIVER NEWAJ AT U/S NEAR W/S INTAKE POINT, RAJGARH, GUNA	3.3
294		PARVATI	1432	RIVER PARVATI NEAR VILLAGE BATAODAPAR, M.P.	3.7
295		SONE	30082	RIVER SONE DEORA U/S RIHAND (M. P.)	6.1
296		TAPI	10	RIVER TAPI AT BURHANPUR	6.0
297		WARDHA	30059	RIVER WARDHA AT BANGON VILLAGE NEAR PANDHURNA (M.P.)	4.0
298		AMBA	2651	RIVER AMBA AT D/S OF WAKEN BRIDGE-U/S OF JS PETROCHEMICALS, WAKENPHATA, ROHA, RAIGAD	4.9

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
299	MAHARASHTRA	AMRAVATI (TAPI)	2652	RIVER AMRAVATI D/S OF DONDAICHA, DHULE, DHULE	3.4
300		BHATSA	1461	RIVER BHATSA AT D/S OF PISE DAM NEAR PISE VILLAGE (ULHAS), BHIWANDI, THANE	10.0
301			2653	RIVER BHATSA AT D/S OF LIBERTY OIL MILLS, SATNE, SHAHAPUR, THANE	4.0
302			2654	RIVER BHATSA AT U/S OF LIBERTY OIL MILLS, SATNE, SHAHAPUR, THANE	4.0
303		BHIMA	28	RIVER BHIMA AT TAKLI, SOUTH SOLAPUR, SOLAPUR	8.5
304			1188	RIVER BHIMA AT NARSINGPUR, (D/S AF.CONFL.WITH R.NIRA), NARSINGPUR, MALSHIROS, SOLAPUR	11.0
305			1189	RIVER BHIMA AT PUNE U/S VITHALWADI, HAWELI, PUNE	38.0
306			1190	RIVER BHIMA AT PUNE, D/S OF BUNDGARDEN, YERWADA, HAWELI, PUNE	19.0
307			1191	RIVER BHIMA AT PARGAON (AFTER CONFL.WITH MULA MUTHA),PARGAON, DAUND, PUNE	8.0
308			1192	RIVER BHIMA AFTER CONF. WITH DAUND, DAUND, PUNE	7.5
309			2655	RIVER BHIMA AT KOREGAON NEAR KOREGAON BRIDGE, SHIRUR, PUNE	15.0
310			2656	RIVER BHIMA RIVER-BACKWATER OF UJANI DAM NEAR RAW WATER PUMP HOUSE, KUMBARGAON, INDAPUR, PUNE	8.4
311		BINDUSARA	2657	RIVER BINDUSARA AT BEED NEAR INTAKE WATER PUMP HOUSE AT DAM, PALIGAON, BEED, BEED	4.8
312		BORI	2658	RIVER BORI D/S OF AMALNER, JALGAON, JALGAON	3.4
313		BURAI	2659	RIVER BURAI BEFORE CONFLUECE TO TAPI RIVER, MUKUDAS, DHULE	9.2
314		CHANDRABHAGA	1911	RIVER CHANDRABHAGA U/S OF PANDHARPUR TOWN, GURSALE, PANDHARPUR, SOLAPUR	10.5
315			1912	RIVER CHANDRABHAGA D/S OF PANDHARPUR TOWN, GURSALE, PANDHARPUR, SOLAPUR	13.5
316		DARNA	2660	RIVER DARNA AT CHEHEDI PUMPING STATION, CHEHEDI, NASHIK, NASHIK	4.8
317			2661	RIVER DARNA AT ASWALI (DARNA DAM), LGATPURI, NASHIK	4.2
318			2662	RIVER DARNA AT MES SITE PUMPING STATION, BHAGUR, NASHIK	4.8
319			2663	RIVER DARNA AT BHAGUR PUMPING STATION NEAR PANDHURLI BRIDGE, BHAGUR, NASHIK	4.6
320			2664	RIVER DARNA AT SANSARI , NASHIK, NASHIK	16.5
321		GHOD	2665	RIVER GHOD AT SHIRUR, PUNE	11.5
322		GIRNA	1252	RIVER GIRNA AT JALGAON	7.5
323			1253	RIVER GIRNA AT MALEGAON (MANMAD), NASHIK	18.0
324		GODAVARI	12	RIVER GODAVARI AT DHALEGAON, PATHARI, PARBHANI	5.8
325			1095	RIVER GODAVARI AT U/S OF GANGAPUR DAM, NASHIK	4.4
326			1096	RIVER GODAVARI AT PANCHAVATI AT RAMKUND,NASHIK	14.0
327			1209	RIVER GODAVARI AT RAHER, NAYAGAON, NANDED	6.5
328			1210	RIVER GODAVARI AT VISHNUPURI,NANDED, NANDED	5.0
329			1211	RIVER GODAVARI AT NASIK D/S, GADGEBABA MAHARAJ NAGAR, NASHIK	9.8
330			1312	RIVER GODAVARI AT JAYAKWADI DAM, PAITHAN,AURANAGABAD	4.6
331			2157	RIVER GODAVARI AT LATUR WATER INTAKE NEAR PUMP HOUSE AT DHAMEGAON, KALUMB, OSMANABAD	6.5
332			2158	RIVER GODAVARI AT U/S OF PAITHAN AT PAITHAN INTAKE PUMP HOUSE AT JAYAKWADI, PAITHAN, AURANGABAD	5.6
333			2159	RIVER GODAVARI AT D/S OF PAITHAN AT PATHEGAON BRIDGE, PATHEGAON, PAITHAN, AURANGABAD	4.8
334			2160	RIVER GODAVARI AT U/S OF AURANGABAD RESERVOIR, KAIGAON TOKKA NEAR KAIGAON BRIDGE,KAIGAON, GANGAPUR, AURANGABAD	6.6

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
335			2161	RIVER GODAVARI AT JALNA INTAKE WATER PUMP HOUSE, SHAHABAD, AMBAD, JALNA	6.5
336			2177	RIVER GODAVARI NEAR SOMESHWAR TEMPLE, SOMESHWAR, NASHIK	5.6
337			2179	RIVER GODAVARI AT HANUMAN GHAT, NASHIK CITY, NASHIK	9.2
338			2180	RIVER GODAVARI AT TAPOVAN, TAPOVAN, NASHIK	27.0
339			2181	RIVER GODAVARI AT KAPILA- GODAVARI CONFLUENCE POINT, TAPOVAN, NASHIK	28.0
340			2182	RIVER GODAVARI AT SAIKHEDA, NIPHAD, NASHIK	6.0
341			2183	RIVER GODAVARI AT NANDUR- MADMESHWAR DAM, NANDUR, NASHIK	4.6
342		GOMAI	2666	RIVER GOMAI D/S OF SHAHADA, DHULE	3.6
343		HIWARA	2667	RIVER HIWARA D/S OF PACHORA, JALGAON	3.8
344		INDRAYANI	2197	RIVER INDRAYANI AT D/S OF ALANDIGAON, HAWELI,PUNE	15.5
345			2668	RIVER INDRAYANI AT D/S OF MOSHIGAON, HAWELI, PUNE	15.5
346			2669	RIVER INDRAYANI AT U/S OF MOSHIGAON, HAWELI, PUNE	9.5
347		KALU	1092	RIVER KALU AT ATALE VILLAGE, KALYAN, THANE	8.0
348		KAN	2670	RIVER KAN NEAR SAKRI WATER WORKS, SAKRI, DHULE	6.5
349		KANHAN	1909	RIVER KANHAN D/S OF NAGPUR, AGARGAON, KUHI, NAGPUR	22.0
350			2170	RIVER KANHAN U/S OF M/S VIDHARBHA PAPER MILL, SINORA, PARSEONI, NAGPUR	7.0
351			2171	RIVER KANHAN D/S OF M/S VIDHARBHA PAPER MILL, SINORA, PARSEONI, NAGPUR	6.4
352		KOLAR	1908	RIVER KOLAR BEFORE CONFLUENCE TO KANHAN AT WAREGAON, KAMPTEE, NAGPUR	4.8
353		KOYNA	2189	RIVER KOYNA AT KARAD, SATARA	7.5
354		KRISHNA	36	RIVER KRISHNA AT KRISHNA BRIDGE, KARAD, KARAD, SATARA	7.0
355			1194	RIVER KRISHNA AT MAHABALESHWAR DHOM DAM NEAR KOINA DAM, MAHABALESHWAR, SATARA	11.0
356			1310	RIVER KRISHNA AT KURUNDWAD, SHIROL, KOLHAPUR	3.2
357			2187	RIVER KRISHNA AT KSHETRA MAHULI, MAHULI, SATARA	8.0
358			2188	RIVER KRISHNA AT KRISHNA-VENNA SANGAM AT MAHULI, SATARA	7.5
359			2190	RIVER KRISHNA AT WAI, SATARA	7.6
360		KUNDALIKA	1152	RIVER KUNDALIKA AT ROHA BRIDGE, ROHA CITY, RAIGAD	4.0
361			2198	RIVER KUNDALIKA AT ARE KHURD (SALINE ZONE), AREKHURD, ROHA, RAIGAD	9.0
362			2671	RIVER KUNDALIKA NEAR SALAV BRIDGE (SALINA ZONE), SALAV, ROHA, RAIGAD	17.0
363			2672	RIVER KUNDALIKA AT DHATAV AT JACKWELL, DHATAV, ROHA, RAIGAD	12.0
364		MANJEERA	2673	RIVER MANJEERA AT D/S OF LATUR NEAR LATUR-NANDED BRIDGE, BHATKHEDA, LATUR, LATUR	7.5
365		MITHI	2168	RIVER MITHI RIVER, MAHIM, BANDRA, MUMBAI	50.0
366		MOR	2674	RIVER MOR NEAR PADALSHE, JALGAON	9.8
367		MORNA	2675	RIVER MORNA AT D/S RAILWAY BRIDGE, AKOLA	10.4
368		MUCHKUNDI	2676	RIVER MUCHKUNDI AT WAKED NEAR M/S ASAHI INDIA GLASS LTD, WAKED, LANJA, RATNAGIRI	12.0
369		MULA	2193	RIVER MULA AT AUNDH BRIDGE, AUNDHGAON, HAWELI, PUNE	15.0
370			2194	RIVER MULA AT HARRISON BRIDGE NEAR MULA- PAWANA SANGAM, BOPODI, HAWELI, PUNE	28.0
371		MULA-MUTHA	2192	RIVER MULA-MUTHA AT MUNDHAWA BRIDGE, MUNTHAWA,HAWELI, PUNE	22.0
372			2677	RIVER MULA-MUTHA AT D/S OF THEUR, HAWELI, PUNE	16.5

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
373		MUTHA	2191	RIVER MUTHA AT SANGAM BRIDGE NEAR GANAPATHY GHAT, SHIVAJINAGAR, PUNE	50.0
374			2678	RIVER MUTHA NEAR VEER SAVARKAR BHAVAN, PUNE	24.0
375			2679	RIVER MUTHA AT DECCAN BRIDGE, DECCAN, PUNE	36.0
376			2680	RIVER MUTHA AT KHADAKVASLA DAM, KHADAKVASLA, HAWELI, PUNE.	7.4
377		NIRA (KRISHNA)	1463	RIVER NIRA AT SAROLA BDG.ON PUNE-BANGLORE HIGHWAY, SAROLA, BHOR, PUNE	15.0
378			2195	RIVER NIRA AT D/S OF JUBILANT ORGANOSIS, NIMBUT, BARAMATI,PUNE.	11.5
379			2681	RIVER NIRA AT SANGAVI, PHALTAN, SATARA	12.5
380			2682	RIVER NIRA AT U/S OF JUBILANT ORGANOSIS, NIRA(DATTAGHAT), BARAMATI, PUNE	7.8
381			2683	RIVER NIRA AT SHINDEWADI. SHIRVAL, KHANDALA, SATARA	7.5
382		PANZARA	2684	RIVER PANZARA NEAR PANZARAKAN SSK LTD, PANZARA, DHULE	8.5
383		PATALGANGA	1151	RIVER PATALGANGA AT SHILPHATA, KHOPOLI, KHALAPUR, RAIGAD	4.0
384			1462	RIVER PATALGANGA NEAR INTAKE OF MIDC W/W, TURADE, KHALAPUR, RAIGAD	5.8
385			2685	RIVER PATALGANGA AT D/S OF KHARPADA BRIDGE, KHARPADA, KHALAPUR, RAIGAD	11.0
386			2686	RIVER PATALGANGA AT VYAL PUMP HOUSE, VYAL, KHALAPUR, RAIGAD	7.4
387			2687	RIVER PATALGANGA AT KHALAPUR PUMPING STATION, KHALAPUR, RAIGAD	7.4
388			2688	RIVER PATALGANGA AT SAVROLI BRIDGE, KHALAPUR. RAIGAD	7.4
389			2689	RIVER PATALGANGA AT GAGANGIRI MAHARAJ TEMPLE, KHOPOLI, KHALAPUR, RAIGAD	6.6
390		PAWANA	2196	RIVER PAWANA AT SANGAVIGAON, HAWELI PUNE.	20.0
391			2690	RIVER PAWANA AT KASARWADI, HAWELI, PUNE	21.0
392			2691	RIVER PAWANA AT DAPODI BRIDGE AT PAWANA-MULLA SANGAM, DAPODI, HAWELI, PUNE	26.0
393			2692	RIVER PAWANA AT RAVET WEIR, RAVET, HAWELI, PUNE	10.0
394			2693	RIVER PAWANA AT CHINCHWADGAON, HAWELI, PUNE	13.5
395			2694	RIVER PAWANA AT PIMPRIGAON, HAWELI, PUNE	18.5
396		PEDHI	2695	RIVER PEDHI NEAR ROAD BRIDGE AT DADHI-PEDHI VILLAGE, BHATKULI, AMRAVATI	10.0
397		PEHLAR	2696	RIVER PEHLAR ON PEHLAR DAM-INLET OF WATER WORKS, PEHLAR, VASAI, THANE	7.0
398		PENGANGA	2697	RIVER PENGANGA NEAR WATER SUPPLY SCHEME OF UMARKHED MC BELKHED, UMARKHED, YAVATMAL	4.0
399			2698	RIVER PENGANGA D/S OF ISAPUR DAM, ISAPUR, PUSAD, YAVATMAL	7.2
400			2699	RIVER PENGANGA AT MEHKAR-BULDANA ROAD BRIDGE, MEHKAR, BULDANA	5.0
401		PURNA	2700	RIVER PURNA NEAR ACHALPUR-AMRAVATI ROAD BRIDGE, ASEGAON, CHANDUR BAZAR, AMRAVATI	6.0
402			1913	RIVER PURNA AT DHUPESHWAR, MALKAPUR, AKOLA	6.8
403			2155	RIVER PURNA A/C OF MORNA, ANDURA VILLAGE, BALAPUR, AKOLA	6.8
404		RANGAVALI	1907	RIVER RANGAVALI D/S OF NAVAPUR, NANDURBAR	11.5
405		SAVITRI	2199	RIVER SAVITRI AT OVALE VILLAGE, OVALE, MAHAD, RAIGAD	3.8
406			2701	RIVER SAVITRI JACKWELL AT UPSA KENDRE, NANGALWADI, MAHAD, RAIGAD	11.0
407			2702	RIVER SAVITRI AT SHEDAV DOV, MAHAD, RAIGAD	12.0
408			2703	RIVER SAVITRI AT DADLI BRIDGE, DADLI, MAHAD, RAIGADH	50.0
409			2704	RIVER SAVITRI AT MUTHAVALI VILLAGE, MAHAD, RAIGADH	12.0
410		SINA	2705	RIVER SINA NEAR LABOTI TOLL NAKA, LABOTI, MOHAL, SOLAPUR	8.4

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
411		SURYA	2706	RIVER SURYA RIVER, U/S OF SURYA DAM, DHAMMI, VIKRAMGAD, THANE	8.0
412			2707	RIVER SURYA AT MIDC PUMPING STATION, GARVASHET, PALGHAR, THANE	4.0
413			2708	RIVER SURYA AT INTAKE OF VASAI-VIRAR W/S SCHEME, MASVAN, PALGHAR, THANE	11.0
414		TANSA	2709	RIVER TANSA NEAR ROAD BRIDGE, VILLAGE DAKEWALI, WADA, THANE	4.0
415		TAPI	1251	RIVER TAPI AT BHUSAWAL U/S, BHUSAWAL RAILWAY COLONY, BHUSAWAL, JALGAON	12.5
416			1313	RIVER TAPI AT AJAND VILLAGE, RAVER, JALGAON	13.5
417			1314	RIVER TAPI AT UBAD VILLAGE,SHAHADA, NANDURBAR	18.5
418		TITUR	2710	RIVER TITUR D/S OF CHALISGAON, JALGAON	11.5
419		ULHAS	1093	RIVER ULHAS AT U/S OF NRC BUND AT MOHANE, KALYAN, THANE	4.0
420			1094	RIVER ULHAS AT U/S OF BADLAPUR, KULGAON, AMBERNATH, THANE	4.0
421			2162	RIVER ULHAS AT JAMBHUL WATER WORKS, JAMBHUL, AMBERNATH, THANE	4.0
422		URMODI	2711	RIVER URMODI RIVER, NAGTHANE, SATARA	6.8
423		VAITARNA	2712	RIVER VAITARNA NEAR ROAD BRIDGE, GANDHARE VILLAGE, WADA, THANE	4.0
424		VASHISTI	2713	RIVER VASHISTI AT D/S OF THREE M PAPER MILLS NEAR CHIPLUN WATER INTAKE JACKWELL, KHERDI,CHIPLUN, RATNAGIRI	4.0
425		VEL	2715	RIVER VEL AT SHIKRAPUR, SHIRUR, PUNE	9.0
426		VENNA	2186	RIVER VENNA AT VARYE, SATARA.	6.2
427			2716	RIVER VENNA AT MAHABALESHWAR, SATARA	5.4
428			2717	RIVER VENNA AT MAHULI, SATARA	7.2
429		WAGHUR	2718	RIVER WAGHUR AT SAKEGAON BEFORE CONFLUENCE WITH TAPI RIVER, JALGAON	11.0
430		WAINGANGA	11	RIVER WAINGANGA AT ASHTI,GONDPIPRI, CHANDRAPUR	14.0
431			1910	RIVER WAINGANGA AFTER CONLUENCE WITH KANHAN, AMBHORA, KUHI, NAGPUR	5.6
432			2172	RIVER WAINGANGA D/S OF ELLORA PAPER MILL, TUMSAR, TUMSAR, BHANDARA	5.2
433			2173	RIVER WAINGANGA U/S OF ELLORA PAPER MILL, TUMSAR, TUMSAR, BHANDARA	4.0
434			2175	RIVER WAINGANGA U/S OF GAURAV PAPER MILLS, NEAR JACKWELL, BRAMHPURI, CHANDRAPUR	5.6
435			2176	RIVER WAINGANGA D/S OF GAURAV PAPER MILLS, NEAR JACKWELL, BRAMHPURI, CHANDRAPUR	5.8
436		WARDHA	1212	RIVER WARDHA AT RAJURA BRIDGE,RAJURA, CHANDRAPUR, CHANDRAPUR	8.2
437			1315	RIVER WARDHA AT PULGAON RAILWAY BRIDGE, PULGAON, WARDHA, WARDHA	5.2
438			2156	RIVER WARDHA AT CONFLUENCE POINT OF PENGANGA & WARDHA AT JUGAD, WANI, YAVATMAL	7.8
439			2174	RIVER WARDHA D/S OF ACC GHUGGUS, CHANDRAPUR, CHANDRAPUR	9.2
440			2719	RIVER WARDHA AT D/S OF ERAI RIVER, HADASTI, CHANDRAPUR, CHANDRAPUR	11.4
441			2720	RIVER WARDHA AT U/S OF ERAI HADASTI, CHANDRAPUR, CHANDRAPUR	9.4
442			2721	RIVER WARDHA AT U/S OF ACC GHUGGUS. , CHANDRAPUR, CHANDRAPUR	8.0
443		WENA	2722	RIVER WENA AT U/S OF MOHATA MILLS, NEAR RAILWAY BRIDGE, HINGANGHAT, WARDHA	5.8
444			2723	RIVER WENA AT D/S OF MOHATA MILLS, NR RD BRG ON HINGANGHAT-WADNER ROAD, HINGANGHAT, WARDHA	7.6
445	MANIPUR	BARAK	2838	RIVER BARAK NEAR NONEY VILLAGE (N.H. 53), TAMENGLONG	4.6
446			2869	RIVER BARAK AT SENAPATI	3.4
447			2875	RIVER BARAK AT N.H. 53, TAMENGLONG .	3.1
448		CHAKPI	2868	RIVER CHAKPI AT CHAKPIKARONG	3.3

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
449		IMPHAL	1424	RIVER IMPHAL AT MAHABALI	6.9
450			1457	RIVER IMPHAL AT KOIRENGEI	4.3
451			1627	RIVER IMPHAL AT KIYAMGI	4.3
452			1628	RIVER IMPHAL AT MINUTHONG	4.0
453			2861	RIVER KANGLA MOAT, IMPHAL WEST	4.5
454			2862	RIVER IMPHAL AT SAMUROU	4.9
455			2864	RIVER IMPHAL AT SEKMAI	3.4
456		IRIL	1458	RIVER IRIL AT PORAMPET	3.9
457			1624	RIVER IRIL AT LILONG	5.3
458			2863	RIVER IRIL AT KANGLA SIPHAI	3.8
459			2873	RIVER IRIL AT LILONG	3.8
460		KHUGA	1925	RIVER KHUGA (LOCATION PL)	4.4
461			2877	RIVER KHUGA ON KHUGA DAM	3.8
462		KHUJAIROK	1926	RIVER KHUJAIROK RIVER, MOREH	4.2
463		LOKCHAO	2878	RIVER LOKCHAO AT BISHNUPUR	4.4
464		MAHA	2867	RIVER MAHA AT CHANDEL	4.7
465		MANIPUR	2852	RIVER MANIPUR AT SEKMAIJAN	3.9
466			2857	RIVER MANIPUR AT THOUBAL	4.1
467			2879	RIVER ETHAI BARRAGE ON MANIPUR RIVER	4.0
468		NAMBUL	1625	RIVER NAMBUL AT HUMP BRIDGE	6.0
469			1626	RIVER NAMBUL AT HEIRANGOITHONG	7.0
470			2858	RIVER NAMBUL AT SAMUSANG (U.K. ROAD)	5.6
471			2859	RIVER SINGDA DAM AT NAMBUL RIVER	4.0
472			2860	RIVER NAMBUL AT NAOREMTHONG	4.8
473			2880	RIVER NAMBUL AT BISHNUPUR	4.5
474		SEKMAI	1927	RIVER SEKMAI RIVER, KAKCHING	3.8
475		THOUBAL	2854	RIVER THOUBAL AT PHADOM	3.1
476			2856	RIVER THOUBAL AT YAIRIPOK	4.4
477			2870	RIVER THOUBAL AT SHONG KONG	3.7
478			2871	RIVER THOUBAL AT YONGUL KONG	4.1
479			2872	RIVER THOUBAL AT LITAN	4.9
480		WANGJING	2855	RIVER WANGJING AT HEIROK	3.8
481			2876	RIVER WANGJING AT WANGJING,	4.4
482	MEGHALAYA	KYRHUKHLA	1428	RIVER KYRHUKHLA NEAR SUTNGA KHLIERIAT, JAINTIA HILLS	5.5
483		LUKHA	3375	RIVER LUKHA AT MYNDIHATI (TRIBUTARY OF LUNAR)	5.5
484		MYNTDU	1631	RIVER MYNTDU JOWAI	6.5
485		NONBAH	3367	RIVER NONBAH AT NANGSTOIN MARKE	5.6
486		UMKHRAH	3359	RIVER UMKHRAH AT DEMTHRING, SHILLONG	50.0

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
487			3360	RIVER UMKHRAH ATUMKALIAR, SHILLONG	40.0
488			3361	RIVER UMKHRAH AT MAWLAI, NEAR SLAUGHTER HOUSE	56.0
489			3362	RIVER UMKHRAH AT MAWPDANG, MAWLAI	40.0
490		UMSHYRPI	3364	RIVER UMSHYRPI AT LAW COLLEGE, DHANKETI,	44.0
491			3365	RIVER UMSHYRPI AT UMSHYRPI BRIDGE	31.0
492		UMTREW	1427	RIVER UMTREW AT BYRNIHAT EAST	5.8
493			3366	RIVER UMTREW AT UMRAN,	5.4
494	MIZORAM	CHITHE	3718	RIVER CHITHE AT ARMED VENG NR MINI SPORTS COMPLEX	5.9
495		LAWBUAL	3721	RIVER LAWIBUAL STREAM, LAWIBUAL VILLAGE	6.2
496		TUIKUAL	4115	RIVER TUIKUAL STREAM, U/S NR NEW SECRETARIAT COMPLEX, DINTHAR	6.4
497	NAGALAND	DHANSIRI	1797	RIVER DHANSIRI AT BRIDGE NEAR PURANA BAZAAR, NAGALAND	3.4
498			1798	RIVER DHANSIRI AT NEAR CHECK GATE (DIMAPUR KHUTKHUTI ROAD)	3.5
499			1800	RIVER DHANSIRI AT NUTON BASTI	18.0
500			1928	RIVER DHANSIRI AT NAGALAND-ASSAM BORDER, DIMAPUR	4.4
501			30072	RIVER DHANSIRI AT KHATKATI GATE	4.3
502		DZU	1930	RIVER DZU D/S KOHIMA TOWN	3.5
503		DZUNA	2892	RIVER DZUNA RU IN KOHIMA, ADJOINING THE NEW KOHIMA MUNICIPAL COUNCIL SOLID WASTE MANAGEMENT SITE, NAGALAND	3.5
504		SANO	2890	RIVER SANO RU IN KOHIMA	3.8
505	ODISHA	BRAHMANI	1038	RIVER BRAHMANI AT D/S PANPOSH AT DEOGAN	5.6
506			1302	RIVER BRAHMANI AT ROURKELA D/S AT JALDA	5.3
507			3916	RIVER BRAHMANI AT FD/S AT ATTAGHAT	4.6
508		DAYA	2411	RIVER DAYA AT BHUBANESWAR FD/S (2 KM AFTER CONFLUENCE OF GANGUA NALLAH WITH DAYA)	7.1
509			3895	RIVER DAYA AT KANAS	5.1
510		GANGUA	3896	RIVER GANGUA NEAR RAJDHANI ENGINEERING COLLEGE	20.6
511			3897	RIVER GANGUA AT PALASUNI	25.5
512			3898	RIVER GANGUA AT SAMANTARAPUR	39.2
513			3899	RIVER GANGUA AT VADIMULA	12.6
514		KATHAJODI	1301	RIVER KATHAJODI AT CUTTACK D/S	4.1
515			3892	RIVER KATHJODI AT CUTTACK FD/S AT MATTAGAJPUR	3.5
516		KUAKHAI	1280	RIVER KUAKHAI AT BHUBANESWAR D/S	7.3
517		MANGALA	3907	RIVER MANGALA AT PURI D/S GOLASAHI	7.4
518		SERUA	2409	RIVER SERUA AT CUTTACK FD/S (SERUA) AT SANKHATRASA	3.5
519	PUDUCHERRY	CHUNNAMBAR	1689	RIVER CHUNNAMBAR	7.5
520		CORINGA	2444	RIVER CORINGA (TIDAL LOCK)	20.0
521		GAUTAMI-GODAVARI	2443	RIVER GAUTAMI-GODAVARI NEAR ADAVIPOLAM	25.0
522	PUNJAB	GHAGGAR	1023	RIVER GHAGGAR AT MUBARAKPUR REST HOUSE (PATIALA), PUNJAB	24.0

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
523			1024	RIVER GHAGGAR AT 100M D/S CONF. WITH R. SARASWATI (PATIALA), PUNJAB	46.0
524			1295	RIVER GHAGGAR NEAR BANKARPUR, DERA BASSI, PUNJAB	50.0
525			1473	RIVER GHAGGAR AT RATANHERI, D/S OF PATIALA NADI (AFTER CONFL.), PUNJAB	42.0
526			1698	RIVER GHAGGAR AT D/S CHHATBIR, PUNJAB	43.0
527			1699	RIVER GHAGGAR AT U/S DHAKANSU NALLAH, PUNJAB	22.0
528			1700	RIVER GHAGGAR AT D/S DHAKANSU NALLAH, PUNJAB	27.0
529			1701	RIVER GHAGGAR AT D/S JHARMAL NADI, PUNJAB	38.0
530			1702	RIVER GHAGGAR AT U/S JHARMAL NADI, PUNJAB	33.0
531			1703	RIVER GHAGGAR AT MOONAK, PUNJAB	41.0
532			1704	RIVER GHAGGAR AT D/S SARDULGARH, PUNJAB	64.0
533			1705	RIVER GHAGGAR AT U/S SARDULGARH, PUNJAB	60.0
534			4159	RIVER GHAGGAR U/S BEFORE MIXING WITH SAGARPARA DRAIN AT VILL RASOULI, DIST PATIALA	59.0
535			4160	RIVER GHAGGAR AT D/S AFTER MIXING WITH SAGARPARA DRAIN AT VILL RASOULI, PATIALA	66.0
536			4162	CONFLUENCE POINT OF SUKHANA CHOE WITH GHAGGAR, VILL MUBARKPUR	210.0
537			30015	RIVER GHAGGAR AT MUBARAKPUR (PUNJAB)	25.0
538			30016	RIVER GHAGGAR AT TIWANA VILLAGE ,(PUNJAB)	25.0
539			30019	RIVER GHAGGAR AT SIRDULGARH(PUNJAB)	21.0
540		KALI BEIN	2913	RIVER KALI BEIN FALLING INTO BEAS, PUNJAB	5.8
541		SIRSA	30012	RIVER SARSA AT BADDI , ,GHANOLI VILLAGE) PUNJAB	32.0
542			1020	RIVER SATLUJ AT 100M D/S BUDHA NALA CONFL., LUDHIANA	105.0
543			1021	RIVER SATLUJ AT BOAT BDG. DHARMKOTNAKODAR ROAD, JALANDHAR	40.0
544			1022	RIVER SATLUJ AT BRIDGE HARIKE, AMRITSAR	6.2
545			1381	RIVER SATLUJ AT D/S EAST BEIN, PUNJAB	24.0
546			1690	RIVER SATLUJ AT U/S BUDHA NALLAH (UPPER), PUNJAB	3.2
547		SUTLEJ	10022	RIVER SATLUJ AT PHILLAUR U/S	9.0
548			10023	RIVER SATLUJ AT PHAGWARA U/S (CHAHERU BRIDGE)	20.0
549			10024	RIVER SATLUJ AT PHAGWARA D/S (KANGANIWAL BRIDGE)	45.0
550			10025	RIVER SATLUJ AT JALANDHAR U/S (PEERU SHAH KA DARGAH)	85.0
551			10026	RIVER SATLUJ AT JALANDHAR D/S (MALSIAN BRIDGE)	120.0
552			10028	RIVER SATLUJ AT LUDHIANA D/S	59.0
553		SWAN	30011	RIVER SWAN AT DHANGLA VILLAGE, SANTOSHGARH (PUNJAB)	4.0
554	RAJASTHAN	BANAS	2951	RIVER BISULPUR DAM, TONK, RAJASTHAN	3.5
555			2952	RIVER NEAR NEWTA DAM, JAIPUR, RAJASTHAN	35.7
556		BANDI	2948	RIVER HEMAWAS DAM, PALI, RAJASTHAN	4.1
557			4171	RIVER BANDI AT NEHDA DAM, PALI	94.0
558		BERECH	4804	RIVER BERACH NEAR VILLAGE-NAGARI, CHITTORGARH	3.9
559		BHANWAR SEMILA	4805	RIVER BHANWAR SEMLA NEAR VILLAGE- DHOPAL,	3.8
560		CHAMBAL	1289	RIVER CHAMBAL AT KOTA D/S (2 KM. FROM CITY), RAJASTHAN	3.3

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
561			1413	RIVER CHAMBAL AT RAMESHWARGHAT NR. SAWAIMADHOPUR, RAJASTHAN	3.1
562			10029	RIVER CHAMBAL AT KESHORAIPATAN U/S, NEAR SHRI RAJESHWAR MAHADEV TEMPLE, BUNDI	3.3
563			10030	RIVER CHAMBAL AT KESHORAIPATTAN D/S NEAR AMBEDKAR NAGAR, BUNDI	5.7
564		GAMBHIRI	4172	RIVER GAMBHIRI AT GHOSUNDA DAM, CHITTORGARH	4.4
565			4173	RIVER GAMBHIRI DAM, NIMBAHERA-TEHSIL, CHITTORGARH	4.9
566			4174	RIVER GAMBHIRI NEAR OLD BUS STAND, CHITTORGARH	3.6
567		GUWARDI	4771	RIVER GUWARDI RESERVIOR UPSTREAM SIDE OF GUWARDI NALLA (A TRIBUTARY TO BANAS RIVER	9.5
568		JAWAI	2947	RIVER JAWAI AT JAWAI DAM, SIROHI, RAJASTHAN	11.7
569		KANOTA	4781	RIVER KANOTA DAM VILLAGE SUMEL, TEHSIL-BASSI	9.5
570		KHARI	4772	RIVER KHARI AT KELWARA RESERVIOR, N/V KELWARA, TEHSIL-KUMBHALGARH DIST- RAJSAMAND, (UPSTREAM OF KHARI RIVER)	7.6
571		KOTHARI	4770	RIVER KOTHARI AT MEJA DAM BHILWARA (UPSTREAM OF KOTHARI RIVER)	6.2
572		LUNI	2949	RIVER SUKRI AT RANAKPUR DAM, RANAKPUR, PALI, RAJASTHAN	3.8
573		MAHI	30061	RIVER MAHI AT GAMMON BRIDGE, BANSWARA(RAJASTHAN)	5.0
574		PIPLAAD	4790	RIVER PIPLAAD DAM, BHAWANI MANDI	3.2
575	TAMIL NADU	ADYAR	10033	RIVER ADYAR AT NANDAMBAKKAM	40.0
576			10034	RIVER ADYAR AT EKKATTUTHANGAL	28.0
577			10035	RIVER ADYAR AT JAFERKHANPET	23.0
578			10036	RIVER ADYAR AT MARAIMALAI BRIDGE	24.0
579			10037	RIVER ADYAR BEFORE GOLF COURSE	25.0
580			10038	RIVER ADYAR AT KOTTURPURAM BRIDGE	27.0
581			10039	RIVER ADYAR NEAR BOAT CLUB	30.0
582		AMRAVATI (CAUVERY)	1319	RIVER AMRAVATI AT 1KM D/S FROM EFF.DIS. PT. AT MADHUTHUKKULAM	3.4
583			4813	RIVER AMRAVATI LOCATED ADJACENT TO KARU MSW DUMP SITE AND ON THE NORTHERN BANK OF AMARAVATHI AND DOWNSTREAM SIDE OF KARU DYEING CLUSTER	4.0
584		BHAVANI	1205	RIVER BHAVANI AT BHAVANI, TAMILNADU	3.6
585			1322	RIVER CAUVERY AT 1KM. D/S OF BHAVANI CONFL., TAMILNADU	4.6
586		CAUVERY	31	RIVER CAUVERY AT MUSIRI	3.9
587			50	RIVER CAUVERY AT METTUR	5.7
588			51	RIVER CAUVERY AT PALLIPPALAYAM	6.0
589			1203	RIVER CAUVERY AT TRICHY, GRAND ANAICUT, TAMILNADU	17.0
590			1206	RIVER CAUVERY AT THANJAVUR, TAMILNADU	5.2
591			1320	RIVER CAUVERY AT ERODE NEAR CHIRAPALAYAM, TAMILNADU	15.0
592			1323	RIVER CAUVERY AT VELORE NEAR KATTIPALAYAM, TAMILNADU	3.4
593			1324	RIVER CAUVERY AT MOHANUR NEAR PATTAIPALAYAM, TAMILNADU	3.4
594			1325	RIVER CAUVERY AT TIRUCHIRAPPALLI D/S, TAMILNADU	6.2
595			1326	RIVER CAUVERY AT COLEROON, TAMILNADU	6.0
596			1327	RIVER CAUVERY AT PITCHAVARAM, TAMILNADU	6.1
597			1451	RIVER CAUVERY AT THIRUMUKKUDAL-CONFL. PT.OF R. AMRAVATI, TAMILNADU	4.0

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
598			3012	RIVER CAUVERY AT KOMARAPALAYAM, NAMAKAL, TAMILNADU	4.4
599			3014	RIVER CAUVERY AT VAIRAPALAYAM, NAMAKAL, TAMILNADU	3.4
600			3015	RIVER CAUVERY AT PUGALUR, KARUR, TAMILNADU	4.2
601			3017	RIVER CAUVERY AT KUMBAKONAM, THANJAVUR, TAMILNADU	7.5
602			4827	RIVER CAUVERY AT KUMARAPALAYAM	3.4
603			10073	RIVER CAUVERY AT KARUR U/S	5.0
604			10078	RIVER CAUVERY AT MAYILADUTHURAI D/S	4.8
605		COOUM	10040	RIVER COOUM AT ANNA NAGAR	192.0
606			10041	RIVER COOUM AT ARUMBAKKAM	320.0
607			10042	RIVER COOUM AT AMANJIKARAI	345.0
608			10043	RIVER COOUM AT POONAMALLE	84.0
609			10044	RIVER COOUM AT COLLAGE ROAD	112.0
610			10045	RIVER COOUM NEAR CENTRAL JAIL	128.0
611			10046	RIVER COOUM AT NAPIER BRIDGE	180.0
612		PALAR	1450	RIVER PALAR AT VANIYAMBADI WATER SUPPLY HEAD WORK, TAMILNADU	4.0
613		SARABANGA	3024	RIVER SARABANGA AT SALEM, D/S OF TEXTILE DYEING INDUSTRIES EFFLUENT, TAMILNADU	24.0
614		TAMBIRAPARANI	1159	RIVER TAMBIRAPARANI AT BDG.NR. MADURA COATS LTD.PAPAVINASAM, TAMILNADU	3.3
615			1160	RIVER TAMBIRAPARANI AT CHERANMADEVI, CAUSE WAY, TAMILNADU	5.2
616			1161	RIVER TAMBIRAPARANI AT TIRUNELVELI, COLLECTORATE, TAMILNADU.	5.5
617			1162	RIVER TAMBIRAPARANI AT MURAPPANADU, TAMILNADU	6.4
618			1328	RIVER TAMBIRAPARANI AT PAPPANKULAM, TAMILNADU	4.2
619			1329	RIVER TAMBIRAPARANI AT RAIL BDG. NR. AMBASAMUDAM, TAMILNADU	3.5
620			1330	RIVER TAMBIRAPARANI AT ARUMUGANERI, TAMILNADU	7.0
621			3025	RIVER TAMBIRAPARANI AT ERAL, THOTHUKUDI, TAMILNADU	7.5
622			3026	RIVER TAMBIRAPARANI AT KALLIDAI KURICHI, TIRUNELVELI, TAMILNADU	4.0
623			3027	RIVER TAMBIRAPARANI AT SRIVAIKUNTAM, D/S OF SK ANAICUT, TIRUNELVELI, TAMILNADU	6.4
624			3028	RIVER TAMBIRAPARANI AT VELLAKOIL, TIRUNELVELI, TAMILNADU	3.2
625			3029	RIVER TAMBIRAPARANI AT SIVALAPERI, CONFLUENCE POINT OF KUTTRALAM FALLS, D/S OF PALAYAMKOTTAI, TIRUNELVELI, TAMILNADU	6.0
626		THIRUMANIMUTHAR	3022	RIVER THIRUMANIMUTHAR AT SALEM, D/S OF SAGO & TEXTILE DYING INDUSTRIES, TAMILNADU	56.0
627		VASISHTA	3023	RIVER VASISTA AT SALEM, D/S OF SAGO INDUSRIES EFFLUENT, TAMILNADU	230.0
628	TELANGANA	GODAVARI	13	RIVER GODAVARI AT MANCHERIAL	8.0
629			2356	RIVER GODAVARI, D/S OF RAMANUGUNDAM, MANTHANI	24.0
630			2360	RIVER GODAVARI AT BASARA, ADILABAD	15.0
631			2361	RIVER GODAVARI AT MANCHERIAL, NEAR RLY BDG B/C OF RALLAVAGU	12.0
632			2362	RIVER GODAVARI AT RAMAGUNDAM D/S, NEAR FCI INTAKE WELL, KARIMNAGAR	18.0
633			2363	RIVER GODAVARI AT GODAVARIKHANI, NEAR BATHING GHAT, KARIMNAGAR	16.0
634			2364	RIVER GODAVARI AT RAMAGUNDAM U/S , KARIMNAGAR	12.0

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
635			2365	RIVER GODAVARI AT KAMALPUR U/S M/S AP RAYONS LTD. INTAKE WELL, WARANGAL	10.0
636			2366	RIVER GODAVARI AT KAMALPUR D/S AT M/S. AP RAYONS LTD. DISCHARGE POINT, WARANGAL	4.0
637			2367	RIVER GODAVARI AT BHADRACHALAM U/S BATHING GHAT, KHAMMAM	12.0
638			2368	RIVER GODAVARI AT BHADRACHALAM D/S BATHING GHAT, KHAMMAM	16.0
639			2369	RIVER GODAVARI AT BURGAMPAHAD, KHAMMAM	10.0
640			4662	RIVER GODAVARI AT KALESHWARAM, 500 MTS.BEFORE BATHING GHAT	13.0
641		KARAKAVAGU	3080	RIVER KARAKAVAGU U/S AT PALONCHA, KHAMMAM	4.0
642			3081	RIVER KARAKAVAGU D/S AT PALONCHA, KHAMMAM	4.0
643		KINNERSANI	2372	RIVER KINNERASANI A/C OF KTPS ASH POND EFFLUENTS, KHAMMAM	6.0
644		KRISHNA	1465	RIVER KRISHNA AT WADAPALLY AFTER CONFL. WITH R. MUSI(SHIFTED FROM 1220)	3.2
645		MANAIR	1158	RIVER MANER AT SOMNAPALLI	16.0
646			4256	RIVER MANAIR AT LOWER MANAIR DAM, KARIMNAGAR	8.0
647			4257	RIVER MANERU D/S OF MUNICIPAL DUMP SITE KARIMNAGAR	6.0
648			4664	RIVER MANERU AT GHATTEPALLI (V) NEAR SUITHANABAD	6.0
649		MANJEERA	1157	RIVER MANJEERA AT RAIPALLY	6.0
650			1781	RIVER MANJEERA - NEAR GANAPATHI SUGARS , MEDAK DIST.	3.4
651			2375	RIVER MANJEERA AT GOWDICHARLA A/C WITH NAKKAVAGU	5.0
652			4666	RIVER MANJEERA AT ISMAILKHANPET TANK, ISMAIKHAPET (V)	4.0
653		MUNNERU	4251	RIVER MUNNERU AT D/S OF PRAKASH NAGAR, KHAMMAM	6.0
654		MUSI	1173	RIVER MUSI D/S AT PRATAPSINGARAM, HYDERABAD	33.0
655			2339	RIVER MUSI AT NAGOLE, RANGAREDDY	43.0
656			3082	RIVER MUSI RESERVOIR AT KASANIGUDA, NALGONDA	5.6
657			4253	RIVER MUSI SAMPLE AT BAPUGHAT SANGAM U/S OF MUSI	46.0
658			4254	RIVER MUSI SAMPLE AT RUDRAVELLY BRIDGE	7.0
659			4656	RIVER MUSI AT MOOSARAMBAGH BRIDGE, HYDERABAD	66.0
660			4657	RIVER MUSI AT PILLAPALLI	46.0
661			4658	RIVER MUSI AT VALIGONDA BRIDGE, NALGONDA	6.2
662			4659	RIVER MUSI AT OUTLET OF NALLA CHERUVU, PEERAJADIGUDA	32.0
663			4660	RIVER MUSI AT PEERAJADIGUDA	31.0
664		NAKKAVAGU	2349	RIVER NAKKAVAGU, BACHUGUDEM, MEDAK	11.0
665	TRIPURA	HAORA	3397	RIVER HAORA AT DASHAMIGHAT, WEST TRIPURA	3.8
666	UTTAR PRADESH	BAHELA	30001	RIVER BAHELA AT BADLI VILLAGE LOHIYA BRIDGE , TANDA (U.P.)	287.0
667		BANGANGA	30038	RIVER BANGANGA AT D/S SHUKRATAL (BEFORE CONFLUENCE OF LAKSAR DRAIN)	4.1
668		BETWA	1356	RIVER BETWA BEFORE CONF. YAMUNA AT HAMIRPUR, U.P.	6.1
669			1735	RIVER BETWA AT GOVIND SAGAR, U.P	3.9
670			30079	RIVER BETWA AT SUKMA DUKMA DAM, JHANSI (U.P.)	5.0
671		GANGA	1046	RIVER GANGA AT ALLAHABAD (RASOOLABAD), U.P.	3.2
672			1049	RIVER GANGA AT ALLAHABAD D/S (SANGAM), U.P.	3.4

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
673			1063	RIVER GANGA AT KANNAUJ U/S (RAJGHAT), U.P	3.4
674			1066	RIVER GANGA AT KANNAUJ D/S, U.P	5.3
675			1067	RIVER GANGA AT KANPUR U/S (RANIGHAT), U.P	4.0
676			1068	RIVER GANGA AT KANPUR D/S (JAJMAU PUMPING STATION), U.P	5.8
677			1070	RIVER GANGA AT VARANASI U/S (ASSIGHAT), U.P	3.3
678			1071	RIVER GANGA AT VARANASI D/S (MALVIYA BRIDGE), U.P	4.2
679			1073	RIVER GANGA AT TRIGHAT (GHAZIPUR), U.P	4.4
680			1146	RIVER GANGA AT BITHOOR (KANPUR), U.P.	4.4
681			1147	RIVER GANGA AT DALMAU (RAI BAREILLY), U.P.	4.5
682			2485	RIVER GANGA U/S, VINDHYACHAL, MIRZAPUR	3.2
683			2486	RIVER GANGA D/S, MIRZAPUR	4.2
684			2487	RIVER GANGA AT KADAGHAT, ALLAHABAD	3.9
685			2498	RIVER GANGA AT KALA KANKAR, RAEBARELI	4.3
686			10151	RIVER GANGA AT FARRUKABAD	4.2
687			10152	RIVER GANGA A/C GOMTI RIVER, BHUSAULA	4.1
688			10153	RIVER GANGA AT CHUNAR	3.8
689			10154	RIVER GANGA AT BATHING GHAT (BHARAOGHAT)	3.8
690			10155	RIVER GANGA AT D/S (SHUKLAGANJ)	4.4
691			10156	RIVER GANGA AT BATHING GHAT (GOLA GHAT)	4.6
692			10157	RIVER GANGA AT BATHING GHAT (JAJMAU BRIDGE)	5.4
693			30075	RIVER GANGA AT TARIGHAT GHAZIPUR (U.P.)	6.0
694		GHAGHARA	1355	RIVER GHAGHARA AT DEORIA D/S, U.P.	5.8
695			2492	RIVER GHAGHRA AT BARHALGANJ, GORAKHPUR	5.8
696			1354	RIVER SARYU AT AYODHYA AT MAIN BATHING GHAT, U.P.	3.4
697		GOMTI	1072	RIVER GOMTI AT VARANASI, U.P	3.9
698			1350	RIVER GOMTI AT SITAPUR U/S AT WATER INTAKE, U.P.	4.0
699			1351	RIVER GOMTI AT LUCKNOW U/S AT WATER INTAKE POINT, U.P.	5.2
700			1352	RIVER GOMTI AT LUCKNOW D/S, U.P.	15.2
701			1353	RIVER GOMTI AT JAUNPUR D/S, U.P.	4.4
702			10083	RIVER GOMTI AT NEEMSAR U/S	4.2
703			10084	RIVER GOMTI AT NEEMSAR D/S	4.4
704			10085	RIVER GOMTI AT BHATPUR U/S	4.4
705			10086	RIVER GOMTI AT BHATPUR D/S	4.8
706			10087	RIVER GOMTI AT GAUGHAT U/S	5.4
707			10088	RIVER GOMTI AT GAUGHAT D/S	5.6
708			10089	RIVER GOMTI AT MOHMEAK U/S	10.0
709			10090	RIVER GOMTI AT MOHMEAK D/S	11.0
710			10091	RIVER GOMTI AT PIPRAGHAT U/S	14.5

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
711			10092	RIVER GOMTI AT PIPRAGHAT D/S	15.0
712			10093	RIVER GOMTI AT GANGAGANJ U/S	6.5
713			10094	RIVER GOMTI AT GANGAGANJ D/S	5.6
714			10095	RIVER GOMTI AT SULTANPUR U/S	4.9
715			10096	RIVER GOMTI AT SULTANPUR D/S	4.8
716			10097	RIVER GOMTI AT JAUNPUR U/S	3.5
717		HINDON	1357	RIVER HINDON AT SAHARANPUR D/S, U.P.	54.0
718			1358	RIVER HINDON AT GHAZIABAD D/S, U.P.	82.6
719			1483	RIVER HINDON AFTER CONFL. WITH R. KRISHNA & KALI NEAR BINAULI TOWN, PURA MAHADEV, MEERUT, U.P.	126.0
720			2496	RIVER HINDON AT SARDHANA BUDHANA ROAD, VILLAGE BAPARSI, MEERUT	74.0
721			10098	RIVER HINDON AT MAHESHPUR U/S	58.0
722			10099	RIVER HINDON AT MAHESHPUR D/S	58.0
723			10100	RIVER HINDON AT BARNAWA U/S	72.0
724			10101	RIVER HINDON AT BARNAWA D/S	74.0
725			10102	RIVER HINDON AT MOHAN NAGAR U/S	67.0
726			10103	RIVER HINDON AT MOHAN NAGAR D/S	90.0
727			10106	RIVER HINDON AT GHAZIABAD U/S	67.0
728		KALI (W)	1477	RIVER KALINADI AT U/S OF MUZAFFAR NAGAR U.P.	15.0
729			1478	RIVER KALINADI AT D/S OF MUZAFFAR NAGAR, U.P.	81.0
730		KALINADI (E)	1065	RIVER KALINADI AT KANNAUJ (BEFORE CONF.), U.P	6.0
731			1480	RIVER KALINADI AT U/S OF GULAOTHI TOWN IN BULANDSAHAR, U.P.	144.0
732			2497	RIVER KALI EAST AT KHARKHODA-PARIKSHIT GARH ROAD, VILL. KOL, MEERUT	68.0
733		PILKHAR	30000	RIVER PILKHAR AT RAMPUR, BHOT(U.P)	3.5
734		RAMGANGA	1064	RIVER RAMGANGA AT KANNAUJ (BEFORE CONF.), U.P	7.2
735			30077	RIVER RAMGANGA AT D/S SHERKOT, KALAGARH (U.P.)	4.0
736		RAPTI	1363	RIVER RAPTI AFTER CONFL. OF R. HONIN NR. DOMINGARH RLY BRIDGE, GORAKHPUR, U.P.	5.4
737			2491	RIVER RAPTI AT RAJGHAT, GORAKHPUR	6.0
738		RIHAND	1359	RIVER RIHAND AT RENUKUT U/S, U.P.	3.1
739			1360	RIVER RIHAND AT RENUKUT D/S, U.P.	3.4
740		SAI	1361	RIVER SAI AT UNNAO AFTER DRAIN OUTFALL, U.P.	3.4
741			2484	RIVER SAI AT JALALPUR, JAUNPUR	4.2
742		SONE	30081	RIVER SONE U/S TO RIHAND, CHOPAN (U.P.)	4.0
743		VARUNA	2482	RIVER VARUNA AT RAMESHWAR, VARANASI	3.9
744			2483	RIVER VARUNA B/C WITH GANGA AT VARANASI	32.4
745		YAMUNA	1123	RIVER YAMUNA AT MATHURA U/S , U.P.	18.0
746			1124	RIVER YAMUNA AT MATHURA D/S , U.P.	36.0
747			1125	RIVER YAMUNA AT AGRA U/S, U.P.	16.0
748			1126	RIVER YAMUNA AT D/S OF AGRA, U.P.	34.0

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
749			1127	RIVER YAMUNA AT ETAWAH, U.P.	23.2
750			1497	RIVER YAMUNA AT RAHIMPUR KA NAGLA, NEAR FLYOVER BRIDGE (MAZAWALI) HARYANA	47.0
751			1498	RIVER YAMUNA AT BATESWAR, U.P	21.0
752			1499	RIVER YAMUNA AT JUHIKA B/C WITH CHANBAL, ETAWAH, U.P	12.4
753			2283	RIVER YAMUNA AT HAMIRPUR	5.7
754			2493	RIVER YAMUNA AT SHAHPUR	18.0
755			2494	RIVER YAMUNA AT VISHRAMGHAT, MATHURA	14.0
756			2495	RIVER YAMUNA AT KESIGHAT, VRINDAVAN	11.6
757			10081	RIVER YAMUNA AT ETAWAH D/S	22.4
758			10082	RIVER YAMUNA AT UDI	20.0
759			30030	RIVER YAMUNA AT ASGARPUR VILLAGE,U.P	127.0
760			30033	RIVER YAMUNA A/C OF CHAMBAL AT SHERGARH, JUHIKA (U.P)	9.2
761			30034	RIVER YAMUNA AT ETAWAH	24.0
762	UTTARAKHAND	BAHELA	2734	RIVER BHELLA U/S KASHIPUR	23.0
763			2735	RIVER BHELLA AT LOHIYA BRIDGE D/S KASHIPUR	56.0
764		BANGANGA	30037	RIVER BANGANGA AT U/S IDRISHPUR (U.K.)	4.0
765		DHELLA	2732	RIVER DHELLA U/S AT KASHIPUR MORADABAD ROAD BRIDGE	29.0
766			2733	RIVER DHELLA D/S AT THAKURDWARA ALIGANJ ROAD	60.0
767			30004	RIVER DHELA AT ADAMPUR	31.0
768		KALYANI	3438	RIVER KALYANI AT U/S PANTNAGAR INDL AREA, US NAGAR	12.8
769			3439	RIVER KALYANI AT D/S PANTNAGAR INDUSTRIAL AREA, US NAGAR	30.0
770		KICHHA (KITCHA)	2729	RIVER KICHHA AT KICHHA U.S. NAGAR	12.0
771			30003	RIVER KICCHA AT PULL BHATTA	6.4
772		KOSHI	2731	RIVER KOSHI AT KASHIPUR BAJPUR ROAD BRIDGE	12.0
773			30002	RIVER KOSI AT DADIYAL BRIDGE, UTTRAKHAND	4.3
774		NANDOUR	2736	RIVER NANDOUR U/S AT SITARGANJ INDUSTRIAL AREA, US NAGAR	12.0
775			2737	RIVER NANDOUR D/S AT SITARGANJ INDUSTRIAL AREA, US NAGAR	15.0
776		PILKHAR	2730	RIVER PILKHAR AFTER BILASPUR RAMPUR	14.5
777		SUSWA	2724	RIVER SUSWA AT MATHURAWALA, DEHRADUN	30.0
778	WEST BENGAL	BARAKAR	1336	RIVER BARAKAR AT ASANSOL (WATER INTAKE POINT), BURDWAN,WEST BENGAL	3.1
779		CHURNI	1764	RIVER CHURNI D/S OF RANAGHAT TOWN, WEST BENGAL	12.0
780			2518	RIVER CHURNI, MAJHADIA, NADIA	20.8
781			30064	RIVER CHURNI AT BIJOYPUR (WEST BENGAL)	15.0
782		DAMODAR	1331	RIVER DAMODAR AT DISHERGARH VILL.(NR.BIHAR-WEST BENGAL BORDER) , BURDWAN,WEST BENGAL	4.0
783			1332	RIVER DAMODAR AT D/S OF IISCO AFTER 3RD OUTFALL AT DHENNA VILLAGE, BURDWAN,WEST BENGAL	3.2
784			1333	RIVER DAMODAR AT NARAINPUR AFTER CONFL. OF NUNIA NALLAH, BURDWAN,WEST BENGAL	3.7
785			1334	RIVER DAMODAR NEAR MUJHER MANA VILLAGE AFTER CONF. OF TAMLA NALLAH, BURDWAN,WEST BENGAL	5.2
786			2527	RIVER DAMODAR AT WATER INTAKE POINT FOR BURDWAN TOWN, BURDWAN	4.2

S NO	STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
787			10107	RIVER DAMODAR AT ANDAL U/S, BURDWAN	3.7
788			10108	RIVER DAMODAR AT ANDAL D/S, BURDWAN	3.6
789			10110	RIVER DAMODAR AT DURGAPUR U/S, BURDWAN	3.8
790			10111	RIVER DAMODAR AT RANIGANJ D/S, BURDWAN	3.8
791		DWARAKESHWAR	2541	RIVER DWARAKESHWAR AT WATER INTAKE POINT FOR BANKURA TOWN ON , BANKURA	3.8
792		DWARKA	2531	RIVER U/S OF TARAPITH ON DWARKA AT SADHAK BAMDEB GHAT, BIRBHUM	4.8
793			2532	RIVER D/S OF TARAPITH ON DWARKA, SATIGHAT	5.7
794		GANGA	1052	RIVER GANGA AT ULUBERIA , HOWRAH,WEST BENGAL	5.4
795			1053	RIVER GANGA AT DAKSHMINESHWAR, KOLKATA, WEST BENGAL	5.5
796			1054	RIVER GANGA AT PALTA WEST BENGAL	6.8
797			1080	RIVER GANGA AT BAHARAMPORE, MURSHIDABAD, WEST BENGAL	4.8
798			1335	RIVER GANGA AT PATIKALI NEAR DURGA CHAK WEST BENGAL	3.9
799			1469	RIVER GANGA AT DIAMOND HARBOUR, 24 PARGANAS (S)WEST BENGAL	4.1
800			1470	RIVER GANGA AT GARDEN REACH, KOLKATA, WEST BENGAL	5.3
801			1471	RIVER GANGA AT HOWRAH-SHIVPUR WEST BENGAL	6.4
802			1472	RIVER GANGA AT SERAMPORE, HOOGHLY,WEST BENGAL	6.1
803			2506	RIVER TRIBENI ON GANGA, NEAR BURNING GHAT, HOOGHLY	6.1
804			2511	RIVER NABADIP ON GANGA, GHOSHPARA NEAR MONIPURGHAT,NADIA	5.9
805			10159	RIVER GANGA AT BEHRAMPORE(KHAGRA), MURSHIDABAD	5.8
806			10160	RIVER GANGA AT BEHRAMPORE, (GORA BAZAR),MURSHIDABAD	8.0
807			10161	RIVER GANGA AT PALTA, SHITALTALA,	6.8
808		JALANGI	2514	RIVER JALANGI, D/S OF KRISHNA NAGAR, NADIA	6.2
809		KANSI	2507	RIVER KANSABATI D/S OF KANSI AT MIDNAPORE, NEAR NEW HANUMAN MANDIR, GANDHIGHAT, MEDINIPORE(W)	6.3
810		MAHANANDA	1946	RIVER MAHANANDA AT SILIGURI, DARJEELING	3.1
811			2525	RIVER MAHANANDA D/S, RAMGHAT, DARJEELING	31.0
812		MATHA BHANGA	2517	RIVER MATHA BHANGA, GOBINDAPUR, NADIA	15.3
813		RUPNARAYAN	1337	RIVER RUPNARAYAN BEFORE CONFL. TO GANGA NEAR GEONKHALI,MEDINIPOREÃ‚Â€, WEST BENGAL	3.6
814			2509	RIVER RUPNARAYAN AT D/S OF KOLAGHAT, NEAR KOLAGHAT RAIL BRIDGE NO.3,MEDINIPOREÃ‚Â€	3.7
815		TEESTA	1947	RIVER TEESTA AT SEVOKE, SILIGURI, DARJEELING	3.8
816		VINDYADHARI	2549	RIVER U/S OF BINDYADHARI AT HAROA BRIDGE, 24 PARGANAS(N)	29.6
817			2550	RIVER D/S OF VINDYADHARI AT MALANCHA BURNING GHAT	19.2

Table 38: List of Polluted Rivers (BOD > 3mg/L)

Annexure II

S NO.	RIVER	S NO.	RIVER	S NO.	RIVER	S NO.	RIVER
1	ADYAR	36	BORI	71	GANDAK	106	KADAMBAYAR
2	AGHANASHINI	37	BRAHMANI	72	GANGA	107	KAGINA
3	AMBA	38	BURAI	73	GANGAVALI	108	KALI (W)
4	AMLAKHADI	39	BURHI GANDAK/ SIKRANA	74	GANGI	109	KALI BEIN
5	AMRAVATI (CAUVERY)	40	BURHIDIHING	75	GANGUA	110	KALIASOT
6	AMRAVATI (TAPI)	41	CAUVERY	76	GARGA	111	KALINADI (E)
7	ARKAVATHI	42	CHAKPI	77	GAUTAMI-GODAVARI	112	KALLAI
8	ARPA	43	CHALAKUDY	78	GAWKADAL	113	KALNA
9	ASHWINI KHAD	44	CHAMBAL	79	GHAGGAR	114	KALPATHI PUZHA
10	AYROOR	45	CHAMLA	80	GHAGHARA	115	KALU
11	BAGMATI	46	CHANDRABHAGA	81	GHOD	116	KALYANI
12	BAHELA	47	CHITHE	82	GIRI	117	KAMALA(BIHAR) GANGA
13	BALD	48	CHITTHRAPUZHA	83	GIRNA	118	KAN
14	BANAS	49	CHUNNAMBAR	84	GODAVARI	119	KANHAN
15	BANDI	50	CHUNTKOL	85	GOMAI	120	KANOTA
16	BANGANGA (GANGA)	51	CHURNI	86	GOMTI	121	KANSI
17	BANGANGA (J&K)	52	COOUM	87	GOSTANI	122	KARAKAVAGU
18	BARAK	53	CORINGA	88	GUWARDI	123	KARMANA
19	BARAKAR	54	DAHA	89	HAORA	124	KATHAJODI
20	BASANTER	55	DAKSHINAK PINAKINI	90	HARBORA	125	KATRI
21	BEGA	56	DAMANGANGA	91	HARMU	126	KELO
22	BERECH	57	DAMODAR	92	HASDEO	127	KHAN
23	BETWA	58	DARNA	93	HINDON	128	KHANDEPAR
24	BHADAR	59	DAYA	94	HIRAN	129	KHARI
25	BHADRA	60	DEVAK	95	HIWARA	130	KHARKHAI
26	BHANWAR SEMILA	61	DHADAR	96	IMPHAL	131	KHAROON
27	BHARALU	62	DHANSIRI	97	INDRAYANI	132	KHARSANG
28	BHATSA	63	DHELLA	98	IRIL	133	KHUGA
29	BHAVANI	64	DHOUS	99	JALANGI	134	KHUJAIROK
30	BHIMA	65	DIGBOI	100	JAWAI	135	KICHHA (KITCHA)
31	BHOGAVO	66	DWARAKESHWAR	101	JHELUM	136	KINNERSANI
32	BHUKHI KHADI	67	DWARKA	102	JOHILA	137	KOHRA (GANGA)
33	BICHIA	68	DZU	103	JUMAR	138	KOINA
34	BINDUSARA	69	DZUNA	104	KABINI	139	KOLAR (MAH)
35	BOKARO	70	GAMBHIRI	105	KADALUNDY	140	KORAYAR

S No.	River	S No.	River	S No.	River	S No.	River
141	KOSHI (UK)	176	MITHI	211	PUNPUN	246	TAWI
142	KOTHARI	177	MOR	212	PURNA	247	TEESTA
143	KOYNA	178	MORA BHARALI	213	RAMGANGA	248	THENPENNAI
144	KRISHNA	179	MORNA	214	RAMREKHA	249	THIRUMANIMUTHAR
145	KSHIPRA	180	MUCHKUNDI	215	RANGAVALI	250	THIRUR
146	KUAKHAI	181	MULA	216	RAPTI	251	THOUBAL
147	KULSI	182	MULA-MUTHA	217	RATTA	252	TITUR
148	KUNDA	183	MUNNERU	218	RIHAND	253	TOCKLAI
149	KUNDALIKA	184	MUSI	219	RUPNARAYAN	254	TUIKUAL
150	KYRHUKHLA	185	MUTHA	220	SABARMATI	255	TUNGA
151	LAKHANDEI	186	MYNTDU	221	SAI	256	TUNGABHADRA
152	LAKSHMANTIRTHA	187	NAKKAVAGU	222	SAL	257	ULHAS
153	LAWBUAL	188	NAMBUL	223	SANO	258	UMKHRAH
154	LIDDER	189	NANDOUR	224	SARABANGA	259	UMSHYRPI
155	LOKCHAO	190	NETRAVATHI	225	SAVITRI	260	UMTREW
156	LUKHA	191	NEWAJ	226	SEKMAI	261	UPPALA
157	LUNI	192	NEYYAR	227	SEONATH	262	UPPUTERU
158	MAHA	193	NIRA (KRISHNA)	228	SERUA	263	URMODI
159	MAHANADI	194	NONBAH	229	SHARAVATHI	264	VAITARNA
160	MAHANANDA	195	PABBAR	230	SHEDHI	265	VAMANAPURAM
161	MAHI	196	PAGLDIA	231	SHIKARI KHAD	266	VARUNA
162	MALEI	197	PALAR	232	SHIMSHA	267	VASHISTI
163	MAMOM	198	PAMBA	233	SINA	268	VASISHTA
164	MANAIR	199	PANZARA	234	SIRSA	269	VEL
165	MANDAKINI (MP)	200	PARMAR	235	SIRSIYA (GANGA)	270	VENNA
166	MANDOVI	201	PARVATI (GANGA)	236	SONE	271	VINDYADHARI
167	MANGALA	202	PATALGANGA	237	SUBARNAREKHA	272	VISHWAMITRI
168	MANIMALA	203	PAWANA	238	SUKHANA	273	WAGHUR
169	MANIPUR	204	PEDHI	239	SURYA	274	WAINGANGA
170	MANJEERA	205	PEHLAR	240	SUSWA	275	WANGJING
171	MANUSMAR	206	PENGANGA	241	SUTLEJ	276	WARDHA
172	MAPUSA	207	PERIYAR	242	SWAN	277	WENA
173	MARKANDA	208	PILKHAR	243	TAMBIRAPARANI	278	YAMUNA
174	MATHA BHANGA	209	PIPLAAD	244	TANSA	279	ZUARI
175	MINDHOLA	210	PULLUR	245	TAPI		

Table 39: List of Clean Rivers (BOD < 3mg/L)

Annexure III

S No.	River	S No.	River	S No.	River	S No.	River	S No.	River
1	ACHANKOVIL	34	BHARATHAPUZHA	67	DEO	100	HEMAVATI	133	KAVVAYI
2	AJAB BOURALI	35	BHARGAVI	68	DEVI	101	HUKITOLA	134	KEECHERI
3	AJAY	36	BHEDEN	69	DHALAI	102	HUNDRI	135	KEN
4	ALAKNANDA	37	BHOGDOI	70	DHATESHWARI	103	IB	136	KENGRE HOLE
5	ALHI	38	BICHOLIM	71	DHAULI KHAD	104	INDRAVATI	137	KERANDI
6	AMBIKA	39	BINWA	72	DIGARU	105	IRANG	138	KHARASROTA
7	AMRAVATI (NARMADA)	40	BIRUPA	73	DIKCHU	106	ITHIKKARA	139	KHAWTHLANGTUIPUIP
8	ANAS	41	BOGINADI	74	DIKHOW	107	JAI BHARALI	140	KHOWAI
9	ANJARAKANDY	42	BORSILA	75	DIKRONG	108	JALDHAKA	141	KILLING
10	ANS	43	BRAHMAPUTRA	76	DISANG	109	JAMMER	142	KIM
11	ARASALAR	44	BUDHABALANGA	77	DORIKA	110	JAMUNI	143	KISINDAJHOR
12	ASHWANI	45	BUGI	78	DZUCHA	111	JAMUNIA	144	KMEUM
13	ASSONORA	46	BURIGAON	79	DZUDZA	112	JHANJI	145	KOHORA
14	BADA	47	CHALIYAR	80	FENI	113	JIADHAL	146	KOLAK
15	BADAJHOR	48	CHALLUI	81	GABHARU	114	JURI	147	KOLAR (MP)
16	BADASANKHA	49	CHANDRAGIRI	82	GAI NADI	115	KAKODONGA	148	KOLONG
17	BAHUDA	50	CHAPORA	83	GAJ	116	KALI (KARNATAKA)	149	KONAR
18	BAITARNI	51	CHARAN KHAD	84	GALUDIH	117	KALI SINDH	150	KOSHALYA
19	BALASON	52	CHATHE	85	GAMBIRA	118	KALIANI	151	KOSHI
20	BALESHWAR KHADI	53	CHENAB	86	GANGA (AP)	119	KALIPAI	152	KUJI
21	BANER KHAD	54	CHENGKAWL LUI	87	GANOL	120	KALJANI	153	KUMARDHARA
22	BANGURUSINGADA JHOR	55	CHHAPI	88	GHATPRABHA	121	KALLADA	154	KUNDLI
23	BANJAR	56	CHHIMTUIPUI	89	GOBARI	122	KANSARI	155	KUNDU
24	BARALIA	57	CHILLAR	90	GOLA	123	KAPILI	156	KUNNI PUL
25	BARNADI	58	CHOTA TAWA	91	GOPAD	124	KARAPUZHA	157	KUPLI
26	BAROI	59	CHOUPAN	92	GOUR	125	KARINGODE	158	KUPPAM
27	BASPA	60	CORAPUZHA	93	GOWTHAMI	126	KARIYARI	159	KURWA
28	BATHER	61	DAMDIAI	94	GUMTI	127	KARO	160	KUSEI
29	BATTA	62	DAMRING (KRISHNEI)	95	GUNDABAI	128	KAROLA	161	KUSHABHDARA
30	BEAS	63	DAMSALA	96	HALDI	129	KARUVANNUR	162	KUSHAWATI
31	BEEHAR	64	DEJLA DEWDA	97	HARABAGH	130	KATHAKAL	163	KUSHIARA
32	BEKI	65	DEMOW	98	HARHA	131	KATNI	164	KUSUMI
33	BHAGIRATHI	66	DENWA	99	HATHNI	132	KAVERI	165	KUTTIYADY

S No.	River	S No.	River	S No.	River	S No.	River	S No.	River
166	KWAI	199	MUVATTAPUZHA	232	RANGANADI	265	SINGRA	298	TUIRIAL
167	KYNSHI	200	MYNTANG	233	RANGIT	266	SINQUERIM	299	TUIRINI
168	LAHMUN	201	NAGAVALI	234	RANICHU	267	SITARAM JAJU SAGAR	300	TUIVAWL
169	LAITRYNGEW	202	NALKARI	235	RASULPUR	268	SIUEL	301	TUNIA
170	LAMU	203	NANDIRAJHOR	236	RATNACHIRA	269	SONAI	302	TUT
171	LARGI	204	NARMADA	237	RAVI	270	SONO	303	UDAYA SAMUDRAM
172	LARSING	205	NEELESWARAM	238	RILANG	271	SOUTH KOEL	304	UJAD
173	LINGIRA	206	NEUGAL	239	RUSHIKULYA	272	SPITI	305	UJH
174	LONGAI	207	NGENGPUI	240	RWIANG	273	SUBANSIRI	306	UMIAM MAWPHLANG
175	LYNRIANG RIANG	208	NIZ KODOMI	241	SABARI	274	SUFFRY	307	UMIUREM
176	MADAI	209	NONGAL	242	SABULIA	275	SUKETI KHAD	308	UMKHEN
177	MADHURA	210	NORTH KOEL	243	SAIKAH	276	SURAN	309	UMNGI
178	MAHE	211	NUNA	244	SAKHISIH	277	SUVARANVATHI	310	UMNGOT
179	MALPRABHA	212	NUWA NOI	245	SALANDI	278	TALPONA	311	VAIGAI
180	MANAS	213	ONG	246	SALMONA	279	TAWIZO	312	VAIPUANPHO
181	MANDA (DUDHAI)	214	PACHIN	247	SANKH (BRAHMANI)	280	TEIREI	313	VAISHALI
182	MANDAKINI (GANGA)	215	PALERU	248	SANKH (MP)	281	TEL	314	VALAPATTANAM
183	MANEY KHOLA	216	PALLICKAL	249	SANKHA (MAHANADI)	282	THALLASSERY	315	VALVANT
184	MANIYANKODE PUZHA	217	PANAM	250	SANKOSH	283	THLUMUWI	316	VAMSHADHARA
185	MANJESHWAR	218	PANCHAGANGA	251	SDERKARIAH	284	TIAU	317	VANVA (WATERFALL)
186	MANJHI KHAD	219	PANCHNAI	252	SERLUI	285	TIHU	318	VENKATPURE
187	MANU	220	PAPAVINASANAM	253	SESAH	286	TIKIRA	319	VENNAR
188	MANWAR TAWI	221	PARVATI (INDUS)	254	SESSA	287	TINGRAI	320	WAH BLEI
189	MARKANDEYA	222	PEDDAKANJARLA	255	SHANKNI	288	TIRACOL	321	WAHKHLEK KHLEK
190	MAT	223	PENNAR	256	SHIVNA	289	TIRTHAN	322	WAHREW
191	MAYURAKSHI	224	PERUVAMBA	257	SHRIYA	290	TLAWNG	323	WAIKHRWI
192	MECHI	225	POCHERA	258	SILABATI	291	TONS	324	YAGACHI
193	MEENACHIL	226	PURNA	259	SILTORSA	292	TONS (MP)		
194	MESHWA	227	PUTHIMARI	260	SIMRAR	293	TORSA		
195	MILAK	228	PUZHACKAL	261	SIMSANG	294	TOWKAK		
196	MOGRAL	229	RAIDAK	262	SINDH (INDUS)	295	TUICHHUAHAN		
197	MOL KHAD	230	RAMAPURAM	263	SINDH (MP)	296	TUIKUM		
198	MUHARI	231	RAMIALA	264	SINGDA JHOR	297	TUIPUI		

Annexure - IV

Table 40: Polluted River Stretches- Priority I (BOD more than 30.0 mg/L)

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
1.	ANDHRA PRADESH	1.	VASISHTA	ALONG NARASAPURAM	58.0
2.	ASSAM	2.	BHARALU	ALONG ULUBARI	76.0
3.	DELHI	3.	YAMUNA	PALLA TO OKHLA D/S	83.0
4.	GUJARAT	4.	AMLAKHADI	ALONG ANKLESHWAR	49.0
		5.	BHADAR	ALONG JETPUR	258.6
		6.	DHADAR	ALONG KOTHADA	33.0
		7.	KHARI	ALONG LALI VILLAGE	195.0
		8.	SABARMATI	RAYSAN TO VAUTHA	292.0
		9.	VISHWAMITRI	ALONG KHALIPUR VILLAGE	38.0
5.	HARYANA	10.	GHAGGAR	BHAGWANPUR TO SURAJPUR; ALONG KALA AMB, ALONG CHANDRAPURA, ALONG SIRSA	206.0
		11.	YAMUNA	HATHNIKUND TO PALLA AND PALWAL TO HASANPUR	43.0
6.	HIMACHAL PRADESH	12.	ASHWINI KHAD	MATHOLI TO BHOG	80.0
		13.	BALD	ALONG BADDI	40.0
		14.	SIRSA	ALONG NALAGARH	40.0
		15.	SUKHANA	ALONG PARWANOO	72.0
7.	KARNATAKA	16.	ARKAVATHI	HESARAGHATTA TO KANAKPURA	39.0
		17.	DAKSHINAK PINAKINI	ALONG MUGALUR	111.0
		18.	THENPENNAI	ALONG KODIYALAM	72.0
8.	MADHYA PRADESH	19.	CHAMBAL	NAGDA TO GANDHISAGAR	72.0
		20.	KHAN	INDORE TO SANWER	46.0
9.	MAHARASHTRA	21.	BHIMA	PUNE TO SOLAPUR	38.0
		22.	MITHI	ALONG MAHIM	50.0
		23.	MUTHA	ALONG PUNE CITY	50.0
		24.	SAVITRI	ALONG MAHAD	50.0
10.	MEGHALAYA	25.	UMKHRAH	ALONG SHILLONG	56.0
		26.	UMSHYRPI	DHANKETI TO HARISAVA	44.0
11.	ODISHA	27.	GANGUA	ALONG BHUBHNESHWAR	39.2
12.	PUNJAB	28.	GHAGGAR	MUBARAKPUR TO SARDULGARH	210.0
		29.	SIRSA	ALONG BADDI	32.0

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
		30.	SUTLEJ	LUDHIANA TO HARIKE	120.0
13.	RAJASTHAN	31.	BANAS	BASSI TO BISALPUR	35.7
		32.	BANDI	ALONG PALI	94.0
14.	TAMIL NADU	33.	ADYAR	TAMBARAM TO NANDANAM	40.0
		34.	COOUM	AVADI TO SATHYA NAGAR	345.0
		35.	THIRUMANIMUTHAR	ALONG SALEM	56.0
		36.	VASISHTA	ALONG SALEM	230.0
15.	TELANGANA	37.	MUSI	BAPUGHAT TO RUDRAVELLY, KASANIGUDA TO VALIGONDA	66.0
16.	UTTAR PRADESH	38.	BAHELA	ALONG TANDA	287.0
		39.	HINDON	SAHARANPUR TO GHAZIABAD	126.0
		40.	KALI (W)	ALONG MUZAFFAR NAGAR	81.0
		41.	KALINADI (E)	MEERUT TO KANNAUJ	144.0
		42.	VARUNA	RAMESHWAR TO TILL CONF WITH R. GANGA	32.4
		43.	YAMUNA	ALONG ASGARPUR, NOIDA, VRINDAVAN TO HAMIRPUR	127.0
17.	UTTARAKHAND	44.	BAHELA	ALONG KASHIPUR	56.0
		45.	DHELLA	THAKURDWARA TO ADAMPUR	60.0
18.	WEST BENGAL	46.	MAHANANDA	ALONG SILIGURI	31.0

Summary Table - Priority I:

- Number of Polluted river stretches identified: 46
- Number of States/ UTs: 18
- Number of polluted rivers in the category: 40

Annexure V

Table 41: Polluted River Stretches- Priority II (BOD between 20.1 and 30.0 mg/L)

S No	STATE	S No.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
1.	BIHAR	1.	SIRSIYA	RAXAUL	30.0
2.	CHHATTISGARH	2.	KHAROON	ALONG RAIPUR	28.5
3.	GUJARAT	3.	MINDHOLA	ALONG SACHIN	28.0
4.	HARYANA	4.	MARKANDA	ALONG NARAINGARH	29.0
5.	MAHARASHTRA	5.	GODAVARI	GANGAPR DAM TO MADHESWAR DAM, ALONG NANDUR, KAIGAON TO DHALEGAON, NANDED TO INTERSTATE BORDER	28.0
		6.	KANHAN	PARSEONI TO KUHI	22.0
		7.	MULA	AUNDHGAON TO BOPODI	28.0
		8.	MULA-MUTHA	MUNDHAWA TO THEUR	22.0
		9.	PAWANA	SANGAVIGAON TO DAPODI	26.0
6.	PUDUCHERRY	10.	GAUTAMI-GODAVARI	ALONG ADAVIPOLAM	25.0
7.	TAMIL NADU	11.	SARABANGA	ALONG SALEM	24.0
8.	TELANGANA	12.	GODAVARI	ALONG BASARA, MANCHERIAL TO RAMAGUNDAM, ALONG KALESHWARAM, ALONG KAMALAPUR, ALONG BHADRACHALAM	24.0
9.	UTTARAKHAND	13.	KALYANI	ALONG PANTNAGAR	30.0
		14.	SUSWA	ALONG MATHURAWALA	30.0
10.	WEST BENGAL	15.	CHURNI	BIJOYPUR TO RANAGHAT	20.8
		16.	VINDYADHARI	HAROA TO MALANCHA	29.6

Summary Table - Priority II:

- Number of Polluted river stretches identified: 16
- Number of States/ UTs: 10
- Number of polluted rivers in the category: 15

Annexure VI

Table 42: Polluted River Stretches- Priority III (BOD between 10.1 to 20.0 mg/L)

S No	STATE	S No.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
1.	BIHAR	1.	LAKHANDEI	ALONG SITAMARHI	11.0
		2.	RAMREKHA	HARINAGAR	12.0
2.	DAMAN AND DIU, DADRA AND NAGAR HAVELI	3.	DAMANGANGA	ALONG DAMAN	14.8
3.	GUJARAT	4.	MAHI	KOTNA TO MUJPUR	12.0
4.	JAMMU & KASHMIR	5.	CHUNTKOL	AT MAULANA AZAD BRIDGE	11.2
		6.	TAWI	ALONG JAMMU	14.0
5.	JHARKHAND	7.	HARMU	ALONG RANCHI	10.1
6.	KERALA	8.	KARMANA	ALONG ARUVIKARA AND ALONG MOONNATTUMUKKU	10.2
7.	MADHYA PRADESH	9.	KSHIPRA	ALONG UJJAIN	18.0
8.	MAHARASHTRA	10.	CHANDRABHAGA	ALONG GURSALE	13.5
		11.	DARNA	BHAGUR TO CHEHEDI	16.5
		12.	GHOD	ALONG SHIRUR	11.5
		13.	GIRNA	MALEGAON TO JALGAON	18.0
		14.	INDRAYANI	MOSHIGAON TO ALANDIGAON	15.5
		15.	KRISHNA	ALONG MAHABALESHWAR AND ALONG SATARA	11.0
		16.	KUNDALIKA	ALONG ROHA	17.0
		17.	MORNA	ALONG AKOLA	10.4
		18.	MUCHKUNDI	ALONG LANJA	12.0
		19.	NIRA	SAROLA TO SANGAVI	15.0
		20.	PATALGANGA	KHOPOLI TO KHARPADA	11.0
		21.	RANGAVALI	ALONG NAVAPUR	11.5
		22.	SURYA	GARVASHET TO MASVAN	11.0
		23.	TAPI	RAVER TO SHAHADA	18.5
		24.	TITUR	ALONG CHALISGAON	11.5
		25.	WAGHUR	ALONG JALGAON	11.0
		26.	WAINGANGA	TUMSAR TO AMBHORA	14.0
		27.	WARDHA	PULGAON TO RAJURA	11.4
9.	NAGALAND	28.	DHANSIRI	ALONG DHANSIRI AND ALONG DIMAPUR	18.0
10.	PUDUCHERRY	29.	CORINGA	ALONG GEORGEPETA	20.0
11.	RAJASTHAN	30.	JAWAI	AT JAWAI DAM	11.7

S No	STATE	S No.	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
12.	TAMIL NADU	31.	CAUVERY	ALONG METTUR, ALONG ERODE, KATTIPALAYAM TO TRICHY, KUMBAKONAM TO PITCHAVARAM	17.0
13.	TELANGANA	32.	MANAIR	KARIMNAGAR TO SOMNAPALLI	16.0
		33.	NAKKAVAGU	ALONG BACHUGUDEM	11.0
14.	UTTAR PRADESH	34.	GOMTI	MOHMEAK TO VARANASI	15.2
15.	UTTARAKHAND	35.	KICHHA	KICHHA TO PUL BHATTA	12.0
		36.	KOSHI	ALONG KASHIPUR	12.0
		37.	NANDOUR	ALONG SITARGANJ	15.0
		38.	PILKHAR	ALONG BILASPUR	14.5
16.	WEST BENGAL	39.	MATHA BHANGA	ALONG GOBINDAPUR	15.3

Summary Table - Priority III:

- Number of Polluted river stretches identified: 39
- Number of States/ UTs: 16
- Number of polluted rivers in the category: 39

Annexure VII

Table 43: Polluted River Stretches- Priority IV (BOD between 6.1 and 10.0 mg/L)

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
1.	**ANDHRA PRADESH**	1.	GOSTANI	ALONG VILLAGE VENDRA	8.6
2.	**BIHAR**	2.	BURHI GANDAK/ SIKRAHNA	NARKATIAGANJ TO PAKRIDAYAL	10.0
		3.	DAHA	GOPALGANJ TO SIWAN	10.0
		4.	GANGA	ALONG BUXAR, PATNA, FATWAH AND BHAGALPUR	7.9
		5.	GANGI	AT ARA	8.0
		6.	HARBORA	ALONG NARKATIAGANJ	8.0
		7.	KOHRA	ALONG MANJHAULIA	8.0
		8.	PUNPUN	ALONG PUNPUN	10.0
3.	**CHHATTISGARH**	9.	ARPA	BILASPUR	9.6
		10.	SEONATH	RAJNANDGAON TO JHENGHARI	6.4
4.	**GOA**	11.	ZUARI	PANCHAWADI TO MARCAIM	6.4
5.	**GUJARAT**	12.	SHEDHI	ALONG KHEDA	6.2
6.	**HIMACHAL PRADESH**	13.	RATTA	ALONG NALAGARH	8.0
7.	**JAMMU & KASHMIR**	14.	BANGANGA	ALONG KATRA	6.2
		15.	DEVAK	ALONG UDHAMPUR	10.0
		16.	JHELUM	SRINAGAR TO BARAMULLA	7.8
		17.	LIDDER	ALONG PAHALGAM	7.0
8.	**JHARKHAND**	18.	KHARKHAI	ALONG SONARI	8.0
		19.	SUBARNAREKHA	ALONG RANCHI, ALONG MURI, ALONG JAMSHEDPUR	10.0
9.	**KARNATAKA**	20.	BHADRA	BHADRAVATHI TO HOLEHUNNUR	7.0
		21.	SHIMSHA	YEDIYAR TO MADDUAR	9.5
		22.	TUNGABHADRA	KUDLI TO MYLARA, ULLANUR TO HOCHECHALLI	6.2
10.	**KERALA**	23.	NEYYAR	ARUVIPURAM TO AMARAVILA	6.5
		24.	VAMANAPURAM	ALONG VAMANAPURAM	6.3
11.	**MADHYA PRADESH**	25.	BETWA	MANDIDEEP TO VIDISHA AND ALONG KANJIYA	7.3
		26.	HIRAN	ALONG JABALPUR	7.8
		27.	JOHILA	ALONG NAROJABAD	7.7

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
		28.	KANHAN	ALONG CHINDWARA	7.8
		29.	SONE	ALONG DEORA	6.1
		30.	BHATSA	SHAHAPUR TO BHIWANDI	10.0
12.	MAHARASHTRA	31.	BURAI	ALONG DHULE	9.2
		32.	KALU	ALONG KALYAN	8.0
		33.	KAN	ALONG SAKRI	6.5
		34.	KOYNA	ALONG KARAD	7.5
		35.	MANJEERA	ALONG LATUR	7.5
		36.	MOR	ALONG PADALSHE	9.8
		37.	PANZARA	ALONG PANZARA	8.5
		38.	PEDHI	ALONG BHATKULI	10.0
		39.	PEHLAR	AT PEHLAR	7.0
		40.	PENGANGA	MEHKAR TO UMARKHED	7.2
		41.	PURNA	ASEGAON TO AKOLA	6.8
		42.	SINA	ALONG MOHAL	8.4
		43.	URMODI	ALONG NAGTHANE	6.8
		44.	VEL	ALONG SHIKRAPUR	9.0
		45.	VENNA	MAHABALESHWAR TO MAHULI	7.2
		46.	WENA	ALONG HINGANGHAT	7.6
13.	MANIPUR	47.	IMPHAL	SEKMAI TO SAMUROU	6.9
		48.	NAMBUL	SINGDA DAM TO BISHNUPUR	7.0
14.	MEGHALAYA	49.	MYNTDU	ALONG JOWAI	6.5
15.	MIZORAM	50.	LAWBUAL	ALONG LAWIBUAL	6.2
		51.	TUIKUAL	ALONG DINTHAR	6.4
16.	ODISHA	52.	DAYA	NARANKHETA TO KANAS	7.1
		53.	KUAKHAI	ALONG BHUBANESWAR	7.3
		54.	MANGALA	ALONG GOLASAHI	7.4
17.	PUDUCHERRY	55.	CHUNNAMBAR	ALONG NONANKUPPAM	7.5
18.	RAJASTHAN	56.	GUWARDI	ALONG GUWARDI	9.5
		57.	KANOTA	ALONG SUMEL	9.5
		58.	KHARI	ALONG KELWARA	7.6
		59.	KOTHARI	ALONG BHILWARA	6.2
19.	TAMIL NADU	60.	TAMBIRAPARANI	PAPPANKULAM TO ARUMUGANERI	7.5
20.	UTTAR PRADESH	61.	BETWA	GOVIND SAGAR TO HAMIRPUR	6.1
		62.	RAMGANGA	ALONG SHERKOT AND KANNAUJ	7.2

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
21.	**WEST BENGAL**	63.	GANGA	BEHRAMPUR TO HALDIA	8.0
		64.	JALANGI	ALONG KRISHNA NAGAR	6.2
		65.	KANSI	ALONG MIDNAPORE	6.3

Summary Table - Priority IV:

- Number of Polluted river stretches identified: 65
- Number of States/ UTs: 21
- Number of polluted rivers in the category: 63

Annexure VIII

Table 44: Polluted River Stretches- Priority V (BOD between 3.1 and 6.0 mg/L)

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
1.	ANDHRA PRADESH	1.	UPPUTERU	ALONG CHINAGOLLAPALEM VILLAGE	3.4
2.	ASSAM	2.	BEGA	ALONG MANGALDOI	3.9
		3.	BURHIDIHING	ALONG MARGHERITA	3.6
		4.	DHANSIRI	ALONG BOKAJAN AND NUMALIGARH	3.5
		5.	DIGBOI	IOCL OIL TOWN TO LAKHIPATHAR RESERVE FOREST	5.2
		6.	KHARSANG	ALONG KHARSANG	3.3
		7.	KULSI	ALONG CHAYGAON	3.2
		8.	MORA BHARALI	ALONG MORA BHARALI	3.6
		9.	PAGLDIA	ALONG NALBARI TOWN	3.4
		10.	TOCKLAI	ALONG KUMAR KAIBARTA GAON	4.8
3.	BIHAR	11.	BAGMATI	ALONG SIRNIA	3.6
		12.	DHOUS	ALONG MADHUVAPUR	5.6
		13.	GANDAK	ALONG REWAGHAT	3.8
		14.	GHAGHARA	ALONG REVELGANJ	3.6
		15.	KAMALA	ALONG DARBHANGA	5.0
		16.	MANUSMAR	ALONG SITAMARHI	6.0
		17.	PARMAR	ALONG JOGBANI	3.4
		18.	SONE	KOELWAR	4.0
4.	CHHATTISGARH	19.	HASDEO	CHAMPA	3.4
		20.	KELO	RAIGARH	3.9
		21.	MAHANADI	SHIVRINARAYAN TO PORATH	3.8
5.	GOA	22.	KALNA	ALONG CHANDEL	4.0
		23.	KHANDEPAR	ALONG KHANDEPAR	4.2
		24.	MANDOVI	ALONG AMONA	3.7
		25.	MAPUSA	ALONG KARASWADA	5.0
		26.	SAL	KHAREBAND TO ASSOLNA	6.0
6.	GUJARAT	27.	BHOGAVO	ALONG SURENDRANAGAR	6.0
		28.	BHUKHI KHADI	ALONG VAGRA	3.9
		29.	DAMANGANGA	ALONG KACHIGAON AND ALONG CHANOD	5.3
		30.	TAPI	ALONG NIZHAR	3.4

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
7.	HIMACHAL PRADESH	31.	GIRI	ALONG YASHWANT NAGAR AND ALONG DADAHU	4.8
		32.	MARKANDA	SALANI TO RAMPUR JATTAN	4.0
		33.	PABBAR	ALONG SWARAKUDDU	4.6
		34.	SHIKARI KHAD	ALONG ROHRU	4.6
8.	JAMMU & KASHMIR	35.	BASANTER	ALONG SAMBA	4.2
		36.	GAWKADAL	ALONG SHERGARHI	3.2
9.	JHARKHAND	37.	BOKARO	ALONG JARANGDIH	3.9
		38.	DAMODAR	ALONG TELMUCHO, ALONG JARANGDIH, ALONG RAMGARH	3.5
		39.	GARGA	ALONG TELMUCHO	4.9
		40.	JUMAR	NAGRI TO BHUTI	5.3
		41.	KATRI	ALONG MOONIDIH	3.6
		42.	KOINA	ALONG MANOHARPUR	3.1
10.	KARNATAKA	43.	AGHANASHINI	ALONG KUMATA	3.3
		44.	BHIMA	GANGAPUR TO YADGIR	4.0
		45.	CAUVERY	ALONG SRI RANGAPATTANNA	6.0
		46.	GANGAVALI	ALONG ANKOLA	3.4
		47.	KABINI	ALONG NANJANAGUD	3.8
		48.	KAGINA	ALONG GOLA K	3.1
		49.	KRISHNA	ALONG UGARKHURD, ALAMATTI TO TINTANI, ALONG DEVASAGAR	4.7
		50.	LAKSHMANTIRTHA	ALONG HUNSUR	5.6
		51.	NETRAVATHI	ALONG DHARMASTALA	6.0
		52.	SHARAVATHI	ALONG HONNAVARA	3.3
		53.	TUNGA	ALONG SHIVAMOGGA	6.0
11.	KERALA	54.	AYROOR	ALONG ERNAKULAM	5.5
		55.	CHALAKUDY	ALONG PULICKALKA-DAVU	3.3
		56.	CHITTHRAPUZHA	ALONG IRUMPANAM	3.2
		57.	KADALUNDY	ALONG TIRURANGADI	3.4
		58.	KADAMBAYAR	MANCKAKADAVU TO BRAHMAPURAM	4.4
		59.	KALLAI	ALONG KALLAI	4.6
		60.	KALPATHI PUZHA	ALONG KALPATHI	3.3
		61.	KORAYAR	ALONG KANJIKODE	3.5
		62.	MAMOM	ALONG MAMAM	4.6
		63.	MANIMALA	ALONG THONDRA	3.1

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
		64.	PAMBA	ALONG PAMBA AND ALONG MANNAR	3.9
		65.	PERIYAR	ALONG ALWAYE-ELOOR, ALONG PURAPPALLIKAVU, ALONG KALAMASSERY	3.9
		66.	PULLUR	ALONG PULLUR	3.8
		67.	THIRUR	ALONG TITUR	3.2
		68.	UPPALA	ALONG MAJIBAIL	3.3
12.	MADHYA PRADESH	69.	BICHIA	ALONG REWA	4.0
		70.	CHAMLA	ALONG BADNAGAR	3.4
		71.	KALIASOT	ALONG MANDIDEEP	3.9
		72.	KUNDA	ALONG KHARGONE	4.2
		73.	MAHI	ALONG BAJNA	5.0
		74.	MALEI	ALONG JAORA	4.0
		75.	MANDAKINI	ALONG CHITRAKUT	3.2
		76.	NEWAJ	SHUJALPUR TO RAJGARH	3.5
		77.	PARVATI	ALONG BATAODAPAR	3.7
		78.	TAPI	ALONG BURHANPUR	6.0
		79.	WARDHA	ALONG BANGON	4.0
13.	MAHARASHTRA	80.	AMBA	ALONG ROHA	4.9
		81.	AMRAVATI (TAPI)	ALONG DHULE	3.4
		82.	BINDUSARA	ALONG BEED	4.8
		83.	BORI	ALONG JALGAON	3.4
		84.	GOMAI	ALONG SHAHADA	3.6
		85.	HIWARA	ALONG PACHORA	3.8
		86.	KOLAR	ALONG WAREGAON	4.8
		87.	TANSA	ALONG VILLAGE DAKEWALI	4.0
		88.	ULHAS	BADLAPUR TO MOHANE	4.0
		89.	VAITARNA	ALONG GANDHARE VILLAGE	4.0
		90.	VASHISTI	ALONG CHIPLUN	4.0
14.	MANIPUR	91.	BARAK	TAMENGLONG TO SENAPATI	4.6
		92.	CHAKPI	ALONG CHAKPIKARONG	3.3
		93.	IRIL	KANGLA SIPHAI TO LILONG	5.3
		94.	KHUGA	KHUGA LAKE TO CHURACHANDPUR	4.4
		95.	KHUJAIROK	ALONG MOREH	4.2
		96.	LOKCHAO	ALONG BISHNUPUR	4.4
		97.	MAHA	ALONG CHANDEL	4.7

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
		98.	MANIPUR	WANGJING TO HEIROK	4.1
		99.	SEKMAI	ALONG KAKCHING	3.8
		100.	THOUBAL	LILTAN TO PHADOM	4.9
		101.	WANGJING	WANGJING TO HEIROK	4.4
15.	MEGHALAYA	102.	KYRHUKHLA	ALONG KHLIERIAT	5.5
		103.	LUKHA	ALONG MYNDIHATI	5.5
		104.	NONBAH	ALONG NONGSTOIN	5.6
		105.	UMTREW	UMRAN TO BYRNIHAT	5.8
16.	MIZORAM	106.	CHITHE	ALONG ARMED VENG	5.9
17.	NAGALAND	107.	DZU	ALONG KOHIMA	3.5
		108.	DZUNA	ALONG KOHIMA	3.5
		109.	SANO	ALONG KOHIMA	3.8
18.	ODISHA	110.	BRAHMANI	ALONG ROURKELA	5.6
		111.	KATHAJODI	ALONG CUTTACK	4.1
		112.	SERUA	ALONG SANKHATRASA	3.5
19.	PUNJAB	113.	KALI BEIN	AT MAND FATEHPUR	5.8
		114.	SWAN	ALONG SANTOSHGARH	4.0
20.	RAJASTHAN	115.	BERECH	ALONG NAGARI	3.9
		116.	BHANWAR SEMILA	ALONG BHANWAR SEMLA	3.8
		117.	CHAMBAL	ALONG KESHORAIPATTAN AND ALONG PALI (SAWAI MADHOPUR)	5.7
		118.	GAMBHIRI	ALONG CHITTORGARH	4.9
		119.	LUNI	ALONG RANAKPUR	3.8
		120.	MAHI	ALONG BANSWARA	5.0
		121.	PIPLAAD	AT PIPLAAD DAM	3.2
21.	TAMIL NADU	122.	AMRAVATI (CAUVERY)	ALONG MADHUTHUKKULAM AND ALONG KARUR	4.0
		123.	BHAVANI	ALONG BHAVANI	4.6
		124.	PALAR	ALONG VANIYAMBADI	4.0
22.	TELANGANA	125.	KARAKAVAGU	ALONG PALONCHA	4.0
		126.	KINNERSANI	ALONG KHAMMAM	6.0
		127.	KRISHNA	ALONG WADAPALLY	3.2
		128.	MANJEERA	SANGAREDDY TO GOWDICHARLA	6.0
		129.	MUNNERU	ALONG KHAMMAM	6.0
23.	TRIPURA	130.	HAORA	ALONG AGARTALA	3.8
24.	UTTAR PRADESH	131.	BANGANGA	ALONG SHUKRATAL	4.1

S No.	STATE	S No	RIVER	POLLUTED RIVER STRETCH/ LOCATION	Max BOD Observed (mg/ L)
		132.	GANGA	FARRUKABAD TO ALLAHABAD , MIRZAPUR TO GHAZIPUR	6.0
		133.	GHAGHARA	ALONG AYODHYA AND BARHALGANJ TO DEORIA	5.8
		134.	PILKHAR	ALONG RAMPUR	3.5
		135.	RAPTI	ALONG GORAKHPUR	6.0
		136.	RIHAND	ALONG RENUKUT	3.4
		137.	SAI	ALONG UNNAO AND JALALPUR	4.2
		138.	SONE	ALONG CHOPAN	4.0
25.	UTTARAKHAND	139.	BANGANGA	ALONG IDRISHPUR	4.0
26.	WEST BENGAL	140.	BARAKAR	ALONG ASANSOL	3.1
		141.	DAMODAR	DISHERGARH TO BURDWAN	5.2
		142.	DWARAKESHWAR	ALONG BANKURA TOWN	3.8
		143.	DWARKA	ALONG TARAPITH	5.7
		144.	RUPNARAYAN	KOLAGHAT TO GEONKHALI	3.7
		145.	TEESTA	ALONG SEVOKE	3.8

Summary Table - Priority V:

- Number of Polluted river stretches identified: 145
- Number of States/ UTs: 26
- Number of polluted rivers in the category: 138

Annexure IX

Table 45: State-wise and Priority-wise assessment of polluted river stretches identified during Year 2018 and 2022

State/ UT	Priority I			Priority II			Priority III			Priority IV			Priority V			Total		
	2018	2022	Variation	2018	2022	Variation	2018	2022	Variation	2018	2022	Variation	2018	2022	Variation	2018	2022	Variation
ANDHRA PRADESH	0	1	↑	0	0	—	0	0	—	2	1	↓	3	1	↓	5	3	↓
ASSAM	3	1	↓	1	0	↓	4	0	↓	3	0	↓	33	9	↓	44	10	↓
BIHAR	0	0	—	0	1	↑	1	2	↑	0	7	↑	5	8	↑	6	18	↑
CHHATTISGARH	0	0	—	0	1	↑	0	0	—	4	2	↓	1	3	↑	5	6	↑
DAMAN AND DIU, DADRA AND NAGAR HAVELI	1	0	↓	0	0	—	0	1	↑	0	0	—	0	0	—	1	1	—
DELHI	1	1	—	0	0	—	0	0	—	0	0	—	0	0	—	1	1	—
GOA	0	0	—	0	0	—	1	0	↓	2	1	↓	8	5	↓	11	6	↓
GUJARAT	5	6	↑	1	1	—	2	1	↓	6	1	↓	6	4	↓	20	13	↓
HARYANA	2	2	—	0	1	↑	0	0	—	0	0	—	0	0	—	2	3	↑
HIMACHAL PRADESH	1	4	↑	1	0	↓	1	0	↓	0	1	↑	4	4	—	7	9	↑
JAMMU & KASHMIR	0	0	—	1	0	↓	2	2	—	2	4	↑	4	2	↓	9	8	↓
JHARKHAND	0	0	—	0	0	—	0	1	↑	3	2	↓	4	6	↑	7	9	↑
KARNATAKA	0	3	↑	0	0	—	4	0	↓	7	3	↓	6	11	↑	17	17	—
KERALA	1	0	↓	0	0	—	0	1	↑	5	2	↓	15	15	—	21	18	↓
MADHYA PRADESH	3	2	↓	1	0	↓	1	1	—	3	5	↑	14	11	↓	22	19	↓
MAHARASHTRA	9	4	↓	6	5	↓	14	18	↑	10	17	↑	14	11	↓	53	55	↑
MANIPUR	0	0	—	1	0	↓	0	0	—	0	2	↑	8	11	↑	9	13	↑
MEGHALAYA	2	2	—	0	0	—	0	0	—	3	1	↓	2	4	↑	7	7	—
MIZORAM	0	0	—	0	0	—	1	0	↓	3	2	↓	5	1	↓	9	3	↓
NAGALAND	1	0	↓	0	0	—	1	1	—	2	0	↓	2	3	↑	6	4	↓

State/ UT	Priority I			Priority II			Priority III			Priority IV			Priority V			Total		
	2018	2022	Variation	2018	2022	Variation	2018	2022	Variation	2018	2022	Variation	2018	2022	Variation	2018	2022	Variation
ODISHA	1	1	—	0	0	—	3	0	↓	2	3	↑	13	3	↓	19	7	↓
PUDUCHERRY	0	0	—	0	1	↑	0	1	↑	1	1	—	1	0	↓	2	3	↑
PUNJAB	2	3	↑	0	0	—	0	0	—	1	0	↓	1	2	↑	4	5	↑
RAJASTHAN	0	2	↑	0	0	—	1	1	—	0	4	↑	1	7	↑	2	14	↑
SIKKIM	0	0	—	0	0	—	0	0	—	0	0	—	4	0	↓	4	0	↓
TAMIL NADU	4	4	—	0	1	↑	0	1	↑	1	1	—	1	3	↑	6	10	↑
TELANGANA	1	1	—	2	1	↓	2	2	—	2	0	↓	1	5	↑	8	9	↑
TRIPURA	0	0	—	0	0	—	0	0	—	0	0	—	6	1	↓	6	1	↓
UTTAR PRADESH	4	6	↑	0	0	—	1	1	—	2	2	—	5	8	↑	12	17	↑
UTTARAKHAND	3	2	↓	1	2	↑	1	4	↑	4	0	↓	0	1	↑	9	9	—
WEST BENGAL	1	1	—	1	2	↑	3	1	↓	4	3	↓	8	6	↓	17	13	↓
TOTAL	**45**	**46**	↑	**16**	**16**	**—**	**43**	**39**	↓	**72**	**65**	↓	**175**	**145**	↓	**351**	**311**	↓

Annexure X

Table – 46: Improvement in 180 polluted river stretches - State-wise list of 106 PRS removed from the list of 351 PRS (identified during Year 2018)

S No	State	River	Stretch	Priority class during the year 2018
1.	ANDHRA PRADESH	GODAVARI	RAYANPETA TO RAJAHMUNDRI	V
2.		KRISHNA	AMRAVATHI TO HAMSALA DEEVI	V
3.		KUNDU	NANDYAL TO MADDURU	IV
4.		NAGAVALI	ALONG THOTAPALLI	V
5.		TUNGABHADRA	MANTHRALAYAM TO BAVAPURAM	IV
6.	ASSAM	BARAK	PANCHGRAM TO SILCHAR	V
7.		BAROI	DOWNSTREAM OF BRIDGE AT NH-52	V
8.		BEKI	BARPETA ROAD TO JYOTI GAON	V
9.		BHOGDOI	JORHAT TO DULIAGAON	V
10.		BOGINADI	LAKHIMPUR TO DIBRUGARH	V
11.		BORSOLA	ALONG SARABBHATTI, GUWAHATI	I
12.		BRAHAMPUTRA	KHERGHAT TO DHUBRI	IV
13.		DIKHOW	NAGINI MORA TO DIKHOMUKH	V
14.		DIKRONG	ALONG BANDARDEWA	V
15.		DISANG	DILLIGHAT TO GUNDAMGHAT	V
16.		GABHARU	ALONG TUMIUKI, SONITPUR	V
17.		JHANJI	JORHAT TO CHAWDANG	V
18.		JIA BHARALI	ALONG SONITPUR	V
19.		KAPILI	NAGAON TO KAMPUR TOWN	V
20.		KILLING	ALONG MOREGAON	V
21.		KOHORA	KOHORA TO MOHPARA	V
22.		KOLONG	NAGAON TO MORI KALONG	V
23.		PANCHNAI	ORANG TO BORSALA	III
24.		PUTHIMARI	ALONG PUTHIMARI	V
25.		RANGA	ALONG GERAMUKH	V
26.		SANKOSH	ALONG GOLAKGANJ	V
27.		SONAI	SONAI TO DAKSHIN MOHANPUR	V
28.	GOA	ASSONORA	ASSONORA TO SIRSAIM	V
29.		BICHOLIM	BICHOLIM TO CURCHIREM	V
30.		CHAPORA	PERNEM TO MORJIM	V
31.		SINQUERIM	ALONG CANDOLIM	V
32.		TALPONA	ALONG CANACONA	IV
33.		TIRACOL	ALONG TIRACOL	V
34.		VALVANT	SANKLI – BICHOLIM TO PORIEM	V
35.	GUJARAT	AMRAVATI	ALONG DADHAL, ANKALESHWAR	IV

S No	State	River	Stretch	Priority class during the year 2018
36.		ANAS	DAHOD TO FATEHPURA	V
37.		BALEHWAR KHADI	PANDESARA TO KAPLETHA	V
38.		KIM	SAHOL BRIDGE TO HANSOL	V
39.		KOLAK	KIKARLA TO SALVAV	IV
40.		MESHWA	ALONG SHAMLAJI	V
41.		NARMADA	GARUDESHWAR TO BHARUCH	V
42.		TRIVENI/ HIRAN	TRIVENI SANGAM TO BADALPARA	III
43.	HIMACHAL PRADESH	BEAS	KULLU TO DEHRAGOPIPUR	V
44.	JAMMU & KASHMIR	CHENAB	JAL PATAN TO PARGAWAL	V
45.		SINDH	ALONG DUDERHAMA	V
46.	JHARKHAND	KONAR	ALONG TILAYA AND KONAR	V
47.		NALKARI	ALONG PATRATU	V
48.		SANKH	KONGSERABASAR TO BOLBA	IV
49.	KARNATAKA	KALI	HASAN MAAD (WEST COAST PAPER MILL) TO BOMMANAHALLI RESERVOIR	IV
50.		KUMARDHARA	ALONG UPPINANGADI	V
51.		MALPRABHA	KHANAPUR TO DHARWAD	III
52.		YAGACHI	ALONG YAGACHI, HASSAN	V
53.	KERALA	BHARATHAPUZHA	ALONG PATAMBI	IV
54.		BHAVANI	ALONG ELACHIVAZHY	V
55.		KARUVANNUR	ALONG KARUVANNUR	V
56.		KAVVAI	ALONG KAVVAI	V
57.		KEECHERI	PULIYANNOR TO KECHERY	IV
58.		KUPPAM	THALIPARAMBA TO VELICHANGOOL	V
59.		KUTTIYADY	ALONG KUTTIYADY	V
60.		MOGRAL	ALONG MOGRAL	V
61.		PERUVAMBA	ALONG PERUVAMBA	V
62.		PUZHACKAL	OLARIKKARA TO PUZHACKAL	V
63.		RAMAPURAM	ALONG RAMAPURAM	V
64.	MADHYA PRADESH	CHOUPAN	ALONG VIJAIPUR	V
65.		GOHAD/ VAISHALI	GOHAD DAM TO GORMI	IV
66.		KATNI	ALONG KATNI	V
67.		KOLAR	SURAJNAGAR TO SHIRDIPURAM	IV
68.		SIMRAR	ALONG KATNI	V
69.		TONS	CHAKGHAT TO CHAPPAR	V
70.		WAINGANGA	CHINDWARA TO BALAGHAT	V
71.	MAHARASHTRA	PANCHAGANGA	SHIROL TO KOLHAPUR	V
72.	MIZORAM	MAT	ALONG SERCHHIP	V
73.		SAIKAH	ALONG LAWNGTLAI	V
74.		TIAU	ALONG CHAMPHAI	III

S No	State	River	Stretch	Priority class during the year 2018
75.		TLAWNG	ALONG ZOBAWK, SAIRANG TO BAIRABI	IV
76.		TUIPUI	ALONG CHAMPHAI	IV
77.		TUIRIAL	ALONG TUIRIAL, AIZWAL	V
78.		TUIVAWL	ALONG KEIFANG	IV
79.	NAGALAND	CHATHE	MEDZIPHEMA TO, DIMAPUR	IV
80.		DZUCHA	ALONG KOHIMA	V
81.	ODISHA	BHEDEN	ALONG BHEDEN	V
82.		BUDHABALANGA	MAHULIA TO BARIPADA	V
83.		KUSUMI	ALONG ANGUL TALCHER	V
84.		MAHANADI	SAMBALPUR TO PARADEEP	V
85.		NAGAVALLI	JAYKAYPUR TO RAYAGADA	V
86.		NANDIRAJHOR	D/S TALCHER	III
87.		NUNA	ALONG BIJIPUR, PURI	V
88.		RATNACHIRA	ALONG BHUBHNESHWAR, PURI	V
89.		RUSHIKULYA	PRATAPPUR TO GANJAM	V
90.		SABULIA	ALONG JAGANNATHPATNA, RAMBHA	V
91.	PUDUCHERRY	ARASALAR	ALONG KARAIKAL	IV
92.	PUNJAB	BEAS	ALONG MUKERIAN	V
93.	SIKKIM	MANEY KHOLA	ADAMPOOL TO BURTUKK	V
94.		RANGIT	DAM SITE (NHPC) TO TREVENI	V
95.		RANICHU	NAMLI TO SINGTAM	V
96.		TEESTA	MELLI TO CHUNGTHANG	V
97.	TRIPURA	BURIGAON	ALONG BISHALGARH	V
98.		GUMTI	TELKAJILA TO AMARPUR	V
99.		JURI	ALONG DHARMANAGAR	V
100.		KHOWAI	ALONG TELIAMURA	V
101.		MANU	ALONG KAILASHAHAR	V
102.	UTTARAKHAND	GANGA	HARIDWAR TO SULTANPUR	IV
103.	WEST BENGAL	KALJANI	BITALA TO ALIPURDWAR	V
104.		KAROLA	JALPAIGURI TO THAKURER KAMAT	V
105.		MAYURAKSHI	SURI TO DURGAPUR	V
106.		SILABATI	GHATAL TO NISCHINDIPUR	V

Annexure – XI

Table – 47: Improvement in 180 polluted river stretches - State wise list of 74 PRS with shift in lower priority class

S NO	RIVER	STATE	PRIORITY CLASS DURING THE YEAR 2018	STRETCH DURING YEAR 2018	PRIORITY CLASS DURING THE YEAR 2022	STRETCH DURING YEAR 2022
1	GODAVARI	MAHARASHTRA	I	SOMESHWAR TEMPLE TO RAHED	II	GANGAPR DAM TO MADHESWAR DAM, ALONG NANDUR, KAIGAON TO DHALEGAON, NANDED TO INTERSTATE BORDER
2	MULA	MAHARASHTRA	I	BOPODI TO AUNDH GAON	II	AUNDHGAON TO BOPODI
3	SARABANGA	TAMIL NADU	I	THATHAYAMPATTI TO T.KONAGAPADI	II	ALONG SALEM
4	SUSWA	UTTARAKHAND	I	MOTHROWALA TO RAIWALA	II	ALONG MATHURAWALA
5	VINDHADHARI	WEST BENGAL	I	HAROA BRIDGE TO MALANCHA BURNING GHAT	II	HAROA TO MALANCHA
6	DAMANGANGA	DAMAN, DIU AND DADRA NAGAR HAVELI	I	SILVASSA TO DAMAN JETTY, MOTI DAMAN	III	ALONG DAMAN
7	KARAMANA	KERALA	I	MALEKKDU TO THIRUVALLAM	III	ALONG ARUVIKARA AND ALONG MOONNATTUMUKKU
8	KSHIPRA	MADHYA PRADESH	I	SIDDHAWAT TO TRIVENISANGAM	III	ALONG UJJAIN
9	KUNDALIKA	MAHARASHTRA	I	SALAV TO ROHA	III	ALONG ROHA
10	MORNA	MAHARASHTRA	I	AKOLA TO TAKALIJALAM	III	ALONG AKOLA
11	NIRA	MAHARASHTRA	I	SANGAVI TO SHINDEWADI	III	SAROLA TO SANGAVI
12	DHANSIRI	NAGALAND	I	CHECK GATE TO DIPHU BDG	III	ALONG DHANSIRI AND ALONG DIMAPUR
13	CAUVERY	TAMIL NADU	I	METTUR TO MAYILADUTHURAI	III	ALONG METTUR, ALONG ERODE, KATTIPALAYAM TO TRICHY, KUMBAKONAM TO PITCHAVARAM
14	KALU	MAHARASHTRA	I	ALONG ATALE VILLAGE	IV	ALONG KALYAN
15	VEL	MAHARASHTRA	I	NHAVARE TO SHIKARPUR	IV	ALONG SHIKRAPUR

S NO	RIVER	STATE	PRIORITY CLASS DURING THE YEAR 2018	STRETCH DURING YEAR 2018	PRIORITY CLASS DURING THE YEAR 2022	STRETCH DURING YEAR 2022
16	BHOGAVO	GUJARAT	I	SURENDRANAGAR TO NANA KERALA	V	ALONG SURENDRANAGAR
17	INDRAYANI	MAHARASHTRA	II	MOSHIGAON TO ALANDIGAON	III	MOSHIGAON TO ALANDIGAON
18	WAINGANGA	MAHARASHTRA	II	TUMSA TO ASHTI	III	TUMSAR TO AMBHORA
19	WARDHA	MAHARASHTRA	II	GHUGHUS TO RAJURA	III	PULGAON TO RAJURA
20	NAKKAVAGU	TELANGANA	II	GANDILACHAPET TO SEVALAL THANDA	III	ALONG BACHUGUDEM
21	KICHHA	UTTARAKHAND	II	ALONG KICHHA	III	KICHHA TO PUL BHATTA
22	DEVIKA	JAMMU & KASHMIR	II	GURU RAVIDAS TEMPLE TO NAINSU	IV	ALONG UDHAMPUR
23	BETWA	MADHYA PRADESH	II	MANDIDEEP TO VIDISHA	IV	MANDIDEEP TO VIDISHA AND ALONG KANJIYA
24	NAMBUL	MANIPUR	II	SINGDA DAM TO BISHNUPUR	IV	SINGDA DAM TO BISHNUPUR
25	MARKANDA	HIMACHAL PRADESH	II	KALA AMB TO NARAYANPUR	V	SALANI TO RAMPUR JATTAN
26	MANJEERA	TELANGANA	II	GOWDICHARLA TO NAKKAVAGU	V	SANGAREDDY TO GOWDICHARLA
27	BANGANGA	JAMMU & KASHMIR	III	PONY SHED TO BATHING GHAT	IV	ALONG KATRA
28	TUNGABHADRA	KARNATAKA	III	HARIHAR TO KORLAHALLI	IV	KUDLI TO MYLARA, ULLANUR TO HOCHECHALLI
29	SONE	MADHYA PRADESH	III	ALONG AMLAI	IV	ALONG DEORA
30	MOR	MAHARASHTRA	III	JALGAON TO AMODA	IV	ALONG PADALSHE
31	PEDHI	MAHARASHTRA	III	NARAYANPUR TO BHATKULI	IV	ALONG BHATKULI
32	PENGANGA	MAHARASHTRA	III	MEHKAR TO UMARKHED	IV	MEHKAR TO UMARKHED
33	PURNA	MAHARASHTRA	III	DHUPESHWAR TO ASEGAON	IV	ASEGAON TO AKOLA
34	URMODI	MAHARASHTRA	III	DHANGARWADI TO NAGTHANE	IV	ALONG NAGTHANE
35	VENNA	MAHARASHTRA	III	MAHABALESHWAR TO MAHULI	IV	MAHABALESHWAR TO MAHULI
36	WENA	MAHARASHTRA	III	KAWADGHAT TO HINDANGHAT	IV	ALONG HINGANGHAT
37	GANGA	WEST BENGAL	III	TRIBENI TO DIAMOND HARBOUR	IV	BEHRAMPUR TO HALDIA

S NO	RIVER	STATE	PRIORITY CLASS DURING THE YEAR 2018	STRETCH DURING YEAR 2018	PRIORITY CLASS DURING THE YEAR 2022	STRETCH DURING YEAR 2022
38	DIGBOI	ASSAM	III	LAKHIPATHE, RESERVE FOREST	V	IOCL OIL TOWN TO LAKHIPATHAR RESERVE FOREST
39	SAL	GOA	III	KHAREBAND TO MOBOR	V	KHAREBAND TO ASSOLNA
40	LAKSHMANTIRTHA	KARNATAKA	III	KATTEMALAVADI TO HUNSUR	V	ALONG HUNSUR
41	KOLAR	MAHARASHTRA	III	ALONG KORADI	V	ALONG WAREGAON
42	DZUNA	NAGALAND	III	ALONG KOHIMA	V	ALONG KOHIMA
43	KATHAJODI	ODISHA	III	CUTTACK TO URALI	V	ALONG CUTTACK
44	KARAKAVAGU	TELANGANA	III	ALONG PALWANCHA	V	ALONG PALONCHA
45	DWARKA	WEST BENGAL	III	TARAPITH TO SADHAK BAMDEB GHAT	V	ALONG TARAPITH
46	KHARSANG	ASSAM	IV	ASSAM-ARUNANCHAL BORDER TO LONGTOM-1	V	ALONG KHARSANG
47	PAGLDIA	ASSAM	IV	NALBARI TO KHUDRA SANKARA	V	ALONG NALBARI TOWN
48	HASDEO	CHHATTISGARH	IV	KORBA TO URGA	V	CHAMPA
49	MAHANADI	CHHATTISGARH	IV	ARRANG TO SIHAWA	V	SHIVRINARAYAN TO PORATH
50	MANDOVI	GOA	IV	MARCELA TO VOLVOI	V	ALONG AMONA
51	DAMAN GANGA	GUJARAT	IV	KACHIGAON TO VAPI	V	ALONG KACHIGAON AND ALONG CHANOD
52	TAPI	GUJARAT	IV	KHADOD (BARDOLI) TO SURAT	V	ALONG NIZHAR
53	GAWKADAL	JAMMU & KASHMIR	IV	GAWKADAL BRIDGE TO NOHATA	V	ALONG SHERGARHI
54	GARGA	JHARKHAND	IV	ALONG TALMUCHU	V	ALONG TELMUCHO
55	CAUVERY	KARNATAKA	IV	RANGANATHITTU TO SATHYAMANGALAM BRIDGE	V	ALONG SRI RANGAPATTANNA
56	KABINI	KARNATAKA	IV	NANJANAGUD TO HEJJIGE	V	ALONG NANJANAGUD
57	KAGINA	KARNATAKA	IV	SHAHABAD TO HONGUNTA	V	ALONG GOLA K

S NO	RIVER	STATE	PRIORITY CLASS DURING THE YEAR 2018	STRETCH DURING YEAR 2018	PRIORITY CLASS DURING THE YEAR 2022	STRETCH DURING YEAR 2022
58	KRISHNA	KARNATAKA	IV	YADURWADI TO TINTINI BRIDGE	V	ALONG UGARKHURD, ALAMATTI TO TINTANI, ALONG DEVASAGAR
59	KADAMBAYAR	KERALA	IV	MANCKAKADAVU TO BRAHMAPURAM	V	MANCKAKADAVU TO BRAHMAPURAM
60	MANIMALA	KERALA	IV	KALLOOPARA TO THONDRA	V	ALONG THONDRA
61	PAMBA	KERALA	IV	MANNAR TO THAKAZHY	V	ALONG PAMBA AND ALONG MANNAR
62	TAPI	MADHYA PRADESH	IV	NEPANAGAR TO BURHANPUR	V	ALONG BURHANPUR
63	BINDUSAR	MAHARASHTRA	IV	SWARAJ NAGAR TO SNEHNAGAR	V	ALONG BEED
64	BORI	MAHARASHTRA	IV	ALONG AMALNER	V	ALONG JALGAON
65	HIWARA	MAHARASHTRA	IV	PACHORA TO NIMBORA	V	ALONG PACHORA
66	KHARKHALA/ KYRHUKHLA	MEGHALAYA	IV	SUTNGA TO KHLIERIAT	V	ALONG KHLIERIAT
67	NONBAH	MEGHALAYA	IV	NANGSTOIN TO WAHRIAT	V	ALONG NONGSTOIN
68	UMTREW	MEGHALAYA	IV	BYRNIHAT TO MORANG DALA	V	UMRAN TO BYRNIHAT
69	DZU	NAGALAND	IV	KOHIMA TO DZUKO VALLEY	V	ALONG KOHIMA
70	KALI BEIN	PUNJAB	IV	SULTANPUR LODHI TO CONF TO BEAS	V	AT MAND FATEHPUR
71	BHAVANI	TAMIL NADU	IV	SIRUMUGAI TO KALINGARAYAN	V	ALONG BHAVANI
72	KINNERSANI	TELANGANA	IV	ALONG PALWANCHA	V	ALONG KHAMMAM
73	GANGA	UTTAR PRADESH	IV	KANNAUJ TO VARANASI	V	FARRUKABAD TO ALLAHABAD , MIRZAPUR TO GHAZIPUR
74	DAMODAR	WEST BENGAL	IV	DURGACHAKM TO DISHERGARH	V	DISHERGARH TO BURDWAN

Annexure – XII

Table – 48: State wise list of river stretches with no change in water quality observed during the year 2018 & 2022

SNO	STATE	RIVER	STRETCH	PRIORITY CLASS
1.	ASSAM	BEGA	ALONG MANGALDOI	V
2.		BHARALU	GUWAHATI TO CHILARAI NAGAR	I
3.		BURHIDIHING	MARGHERITA TO TINSUKIA	V
4.		DHANSIRI	GOLAGHAT TO KATHKETIA	V
5.		KULSI	ALONG CHAYGAON	V
6.		MORA BHARALI	ALONG TEZPUR	V
7.	BIHAR	PARMAR	ALONG JOGBANI	V
8.	CHHATTISGARH	KELO	RAIGARH TO KANAKTORA	V
9.		SEONATH	SHIMGA TO BEMTA	IV
10.	DELHI	YAMUNA	WAZIRABAD TO ASGARPUR	I
11.	GOA	KHANDEPAR	PONDA TO OPA	V
12.	GUJARAT	AMLAKHADI	PUNGUM TO BHARUCH	I
13.		BHADAR	JETPUR VILLAGE TO SARAN VILLAGE	I
14.		KHARI	LALI VILLAGE TO KASHIPURA	I
15.		SABARMATI	KHEROJ TO VAUTHA	I
16.		SHEDHI	DHAMOD TO KHEDA	IV
17.	HARYANA	GHAGGAR	RORKI TO SIRSA	I
18.		YAMUNA	PANIPAT TO SONEPAT	I
19.	HIMACHAL PRADESH	GIRI	ALONG SAINJ	V
20.		PABBAR	ALONG ROHRU	V
21.		SUKHANA	SUKHNA TO PARWANOO	I
22.	JAMMU & KASHMIR	BASANTER	SAMBA TO CHAKMANGARAKWAL	V
23.		CHUNT KOL	MAULANA AZAD BRIDGE TO KANIKADAL	III
24.	JHARKHAND	DAMODAR	PHUSRO ROAD BDG TO TURIO	V
25.		JUMAR	KANKE DAM TO KADAL	V
26.		SUBARNAREKHA	HATIA DAM TO JAMSHEDPUR	IV
27.	KARNATAKA	BHADRA	HOLEHUNNUR TO BHADRAVATHI	IV
28.		BHIMA	GHANAPUR TO YADGIR	V
29.		NETRAVATHI	UPPINANGADI TO MANGALURU	V
30.		SHIMSHA	YEDIYAR TO HALAGUR	IV
31.		TUNGA	SHIVAMOGA TO KUDLI	V
32.	KERALA	CHITRAPUZHA	IRUMPANAM TO KARINGACHIRA	V
33.		KADALUNDY	ALONG HAJIRAPPALLY/ HAJIYARPALLI	V
34.		KALLAI	THEKEPURAM TO ARAKKINAR	V
35.		PERIYAR	ALWAYE-ELOOR TO KALAMASSERY	V
36.		THIRUR	NADUVILANGADI TO THALAKKADATHUR	V
37.		UPPALA	POYYA TO MULINJA	V
38.	MADHYA PRADESH	BICHIA	SILPARI TO GADHAWA	V
39.		CHAMBAL	NAGDA TO RAMPURA	I
40.		CHAMLA	ALONG BADNAGAR, UJJAIN	V
41.		KALISOT	MANDIDEEP TO SAMARDHA VILLAGE	V
42.		KHAN	KABIT KHEDI TO KHAJRANA	I

SNO	STATE	RIVER	STRETCH	PRIORITY CLASS
43.		KUNDA	KHARGONE TO KHEDI KHURD	V
44.		MALEI	JAORA TO BARAUDA	V
45.		MANDAKINI	ALONG CHITRAKUT	V
46.		NEWAJ	ALONG SHUJALPUR	V
47.		PARVATI	BATAWADA TO PILUKHEDI	V
48.	MAHARASHTRA	AMBA	BENSE TO ROHA	V
49.		GHOD	ANNAPUR TO SHISHUR	III
50.		GOMAI	LONKHEDA TO SHAHDA	V
51.		KOYNA	KARAD TO PAPDARDE	IV
52.		KRISHNA	SHINDI TO KURUNDWAD	III
53.		MITHI	POWAI TO DHARAVI	I
54.		MULA & MUTHA	THEUR TO MUNDHWA BRIDGE	II
55.		MUTHA	SHIVAJI NAGAR TO KHADAKWASLA DAM	I
56.		PATALGANGA	KHADEPADA TO KOPOLI	III
57.		PAWANA	DAPODI TO RAVET	II
58.		PEHLAR	PELHAR DAM TO GOLANI NAKA	IV
59.		SINA	SOLAPUR TO BANKALAGI	IV
60.		TANSA	ALONG THANE	V
61.		TAPI	RAVER TO SHAHADA	III
62.		ULHAS	KALYAN TO BADLAPUR	V
63.		VAITARNA	GANDHRE TO SARASHI	V
64.		VASHISTI	KHERDI TO DALVATNE	V
65.		WAGHUR	SUNASGAON TO SAKEGAON	III
66.	MANIPUR	IRIL	KANGLA SIPHAI TO UKHRUL	V
67.		KHUGA	KHUGA LAKE TO CHURACHANDPUR	V
68.		KHUJAIROK	MOREH TO MAOJANG	V
69.		LOKCHAO	BISHNUPUR TO LOKTAK LAKE	V
70.		MANIPUR	SEKMAIJAN TO THOUBAL	V
71.		THOUBAL	SHONG KONG TO PHADOM	V
72.		WANGJING	WANGJING TO HEIROK	V
73.	MEGHALAYA	LUKHA	MYNDIHATI TO SHYMPLONG	V
74.		UMKHRAH	MAWLAI TO SHILLONG	I
75.		UMSHYRPI	UMSHYRPI BRIDGE TO DHANKETI	I
76.	MIZORAM	CHITE	ALONG ARMED VENG	V
77.	NAGALAND	SANO	ALONG KOHIMA	V
78.	ODISHA	BRAHMANI	ROURKELA TO BIRITOL	V
79.		DAYA	BHUBANESWAR TO BARAGARH	IV
80.		GANGUA	D/S BHUWANESHWAR	I
81.		KUAKHAI	URALI TO BHUBANESWAR	IV
82.		SERUA	KHANDAETA TO SANKHATRASA	V
83.	PUNJAB	GHAGGAR	SARDULGARH TO MUBARAKPUR	I
84.		SATLUJ	RUPNAGAR TO HARIKA BRIDGE	I
85.	RAJASTHAN	CHAMBAL	SAWAIMADHOPUR TO KOTA	V
86.	TAMIL NADU	THIRUMANIMUTHAR	SALEM TO PAPPARAPATTI	I

SNO	STATE	RIVER	STRETCH	PRIORITY CLASS
87.		VASISTA	MANIVILUNDHAN TO THIYAGANUR	I
88.	TELANGANA	KRISHNA	THANGADIGI TO WADAPALLY	V
89.		MANAIR	WARANGAL TO SOMNAPALLI	III
90.		MUSI	HYDERABAD TO NALGONDA	I
91.	TRIPURA	HAORA	AGARTALA TO BISHRAMGANJ	V
92.	UTTAR PRADESH	GHAGHARA	BARHALGANJ TO DEORIA	V
93.		GOMTI	SITAPUR TO VARANASI	III
94.		HINDON	SAHARANPUR TO GHAZIABAD	I
95.		KALINADI (E)	MUZAFFAR NAGARTO GULAOTHI TOWN	I
96.		RAMGANGA	MURADABAD TO KANNAUJ	IV
97.		RAPTI	DOMINGARH TO RAJGHAT	V
98.		SAI	UNNAO TO JAUNPUR	V
99.		VARUNA	RAMESHWAR TO CONF WITH GANGA, VARANASI	I
100.		YAMUNA	ASGARPUR TO ETAWAH & SHAHPUR TO ALLAHABAD (BALUA GHAT)	I
101.	UTTARAKHAND	BHELA	KASHIPUR TO RAJPURA ATNDA	I
102.		DHELA	KASHIPUR TO GARHUWALA, THAKURDWARA	I
103.	WEST BENGAL	BARAKAR	KULTI TO ASANSOL	V
104.		DWARAKESHWAR	ALONG BANKURA	V
105.		JALANGI	LAAL DIGHI TO KRISHNA NAGAR	IV
106.		KANSI	MIDNAPORE TO RAMNAGAR	IV
107.		RUPNARAYAN	KOLAGHAT TO BENAPUR	V
108.		TEESTA	SILIGURI TO PAHARPUR	V