

1719

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

Original Application No. 728/2023

In re: News item titled "Arsenic found in groundwater in 25 States, Fluoride in 27 States: Govt." appearing in Hindustan dated 30.11.2023

IN THE MATTER OF:-

News item titled "Arsenic found in groundwater in 25 States, Fluoride in 27 States: Govt." appearing in Hindustan dated 30.11.2023

APPLICANT

VERSUS

STATE OF MAHARASHTRA & OTHERS

RESPONDENT

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3	A copy of CGWB's letter dated 02.05.2024 along with list of 150 locations attached as Annexure I.	05 - 14
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Place: Pune

Date: 13 Aug 2024

(Dr. Vijay Krushnadas Pakhamode)
(I) Commissioner,
Ground Water Survey and Development
Agency
Maharashtra State, Pune- 411 005


(I) Commissioner
Ground Water Survey And Development Agency
Maharashtra State Pune - 05.

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REPLY ON BEHALF OF THE RESPONDENT- PRINCIPAL SECRETARY WATER SUPPLY AND SANITATION DEPARTMENT, GOVERNMENT OF MAHARASHTRA

1. Hon'ble NGT vide order 26.04.2024 has sought the reply of Principal Secretary, Water Supply and Sanitation Department, Government of Maharashtra in the instant matter. Thereby, the reply is made in succeeding paragraphs.
2. The Groundwater Survey and Development Agency, Maharashtra State came into existence on July 16, 1971, as a result of the Agricultural Pathway Project Agreement signed by the Government of Maharashtra with the International Development Organization (World Bank Project). The work related to Ground Water Survey and Development used to be carried out through the Department of Agriculture, Directorate of Geology and Mines and Irrigation Department was entrusted to the said system. Initially the system was a component of the Directorate of Geology and Mines, But from November 15, 1972, the system was given the independent status of the Directorate to implement the following schemes on a systematic and scientific basis.

- a) Conducting Ground Water Survey.
- b) Groundwater Assessment, Groundwater Conservation,
Groundwater Management

The Ground Water Survey and Development Agency, Maharashtra State is headed by the Commissioner and having its headquarter at Pune is working under the control of Principle Secretary, Water Supply and Sanitation Department, Government of Maharashtra, Mantralaya, Mumbai. Ground Water Survey and Development Agency is having its divisional offices at Konkan (Navi Mumbai) / Nashik / Pune / Ch. Sambhajinagar / Amravati / Nagpur headed by Deputy Directors and the Districts of that Division are under his/her Control.

According to the Government Resolution dated 18 December 2014, the Sub-divisional laboratories under the Health Department of the State were handed over to Groundwater Survey and Development Agency, to analyze samples of all public drinking water sources. At present there are 6 regional, 28 district and 144 sub-divisional laboratories are functional. From these laboratories samples received from Zilha Parishads are analysed for drinking water parametes and the results of the same are conveyed to concerned Zilha Parishad for taking the remedial measures in the contaminated/affected sources.

PARA WISE REPLY: -

3. Central Ground Water Board (CGWB) collectes the water samples from the water quality monitoring stations which are observations wells fixed by CGWB. Apart from routine regional scale ground water quality monitoring, CGWB monitores the water quality under their studies like National Aquifer Mapping Programme (NAQUIM). As per CGWB's letter dated 02.05.2024, arsenic (As) contamination is not reported in Maharashtra; however, fluoride (F) contamination is reported at 150 locations of 24 districts. List is attached as Annexure I.

4. The remedial measures are taken by Executive Engineer, Rural Water Supply Department, Zilla Parishad. The information from all 24 Zilla Parishads is collected and compiled by office of State Water and Sanitation Mission (SWSM). As per the Action Taken Report (ATR) of Additional Mission Director dated 06.08.2024, out 150 locations 10 locations are from urban areas, whereas 140 locations are from rural areas. In 5 locations out of 140 no contamination was observed during retesting. Remaining 135 sources are prohibited for drinking water purposes. Also, at 127 locations new sources in Jal Jeevan Mission are being taken. List is attached as Annexure II.
5. As per the letter of Under Secretary, Water Supply and Sanitation Department (Papu-12) dated 12.08.2024, the State Government has taken remedial measures for water quality affected villages as mentioned below: -

In the year 2017-18, Defluoridation units have been installed at 118 places among the fluoride affected villages /wadis as mentioned in the table below:-

Sr.No.	Project	Year of Installation	No. of Units
1	Defluoridation	2017-18	118

Apart from this, RO units have been installed for quality affected villages as mentioned in the below: -

Sr.No.	Project	Year of Installation	No. of Units
1	RO Phase -I	2017-18	114
2	RO Phase -III	2018-19	294
3	Total	---	408

(Dr. Vijay Krushnadas Pakhamode)
 (I) Commissioner,
 Ground Water Survey and Development
 Agency
 Maharashtra State, Pune- 411 005

(I) Commissioner
 Ground Water Survey And Development Agency
 Maharashtra State Pune - 05.

BEFORE MEBEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
Shruti Subhash Sankpal
ADVOCATE & NOTARY
GOVERNMENT OF INDIA

Original Application No. 728/2023

In re: News item titled "Arsenic found in groundwater in 25 States, Fluoride in 27 States: Govt." appearing in Hindustan dated 30.11.2023

IN THE MATTER OF:-News item titled "Arsenic found in
groundwater in 25 States, Fluoride in 27 States:
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VERSUS

STATE OF MAHARASHTRA & OTHERS

RESPONDENT

AFFIDAVIT

I, Dr. Vijay Krushnadas Pakhamode, Working as Joint Director and as Incharge Commissioner, Ground Water Survey and Development Agency, Maharashtra State, Pune-411 005 do hereby solemnly affirm and declare as under:

1. That the deponent is authorized representative to represent the Respondent Maharashtra Government in the present case, and as such, I am well conversant with the facts and circumstances of the present case based on the information derived from the official records, and hence, I am competent and authorized to verify, sign and swear this Affidavit on behalf of the Respondent Maharashtra Government.
2. That the accompanying reply may be read part and parcel of the present affidavit as I am competent to swear this affidavit.
3. That the contents thereof are true and correct based on the record maintained during ordinary course of business of Ground Water Survey and Development Agency, Maharashtra State, and available records and documents and the contents of the same are read over and explained to me and are not repeated herein for the sake of brevity.

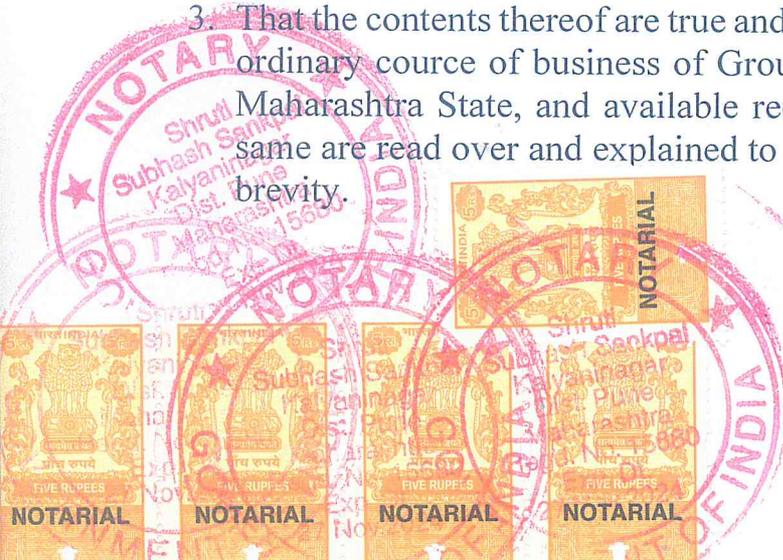
(Dr. Vijay Krushnadas Pakhamode)

(I) Commissioner,
Ground Water Survey and Development Agency
Maharashtra State, Pune- 411 005
Commissioner
Ground Water Survey And Development Agency
Maharashtra State Pune - 05.

Noted & Registered

at Serial No. 1655/2024

Date: 13 AUG 2024



24 Comm 9/24

1724

भारत सरकार
Government of India

जलशक्तिमंत्रालय

Ministry of Jal Shakti

जलसंसाधन नदीविकासएवंगंगासंरक्षणविभाग

Department of Water Resources, River Development & Ganga
Rejuvenation

Annexure - I

05

केन्द्रीय भूमिजल बोर्ड

मध्य क्षेत्र

सिविल लाइन्स- 440

001

दूरभाषः (0712)-25653

ई-मेल: rdcr-

cgwb@nic.in



Central Ground Water
Board

Central Region

Civil Lines, Nagpur - 440 001

Phone: (0712)-2565314

e-mail: rdcr-cgwb@nic.in

दिनांक / Date: 02.05.2024

संख्या / No.

7/18/CGWB/CR/AUTHORITY

319

To,

The Principal Secretary,

Water Supply & Sanitation Department,

7th Floor, New Mantralaya,

G. T. Hospital Complex,

L.T. Marg, Mumbai -400001

Subject: Effective Remedial measures to be taken to mitigate Arsenic & Fluoride contamination in the State of Maharashtra, reg.

Ref: National Green Tribunal (NGT) Matter 728 of 2023, Arsenic & Fluoride information to be filled in for respective States/UTs.

Respected Sir,

With reference to NGT order dated 15.02.2024 in the matter 728 of 2023 regarding Arsenic contamination in groundwater from 25 states (in parts of 230 districts) & Fluoride contamination in groundwater over 27 states (in parts of 469 districts) of India and as per the directions received from Hon'ble Tribunal on 26.02.2024, effective remedial measures are to be taken up to mitigate Arsenic & Fluoride contamination in groundwater from State of Maharashtra (**Copy of the order is enclosed**).

In this connection, it is to inform you that, while carrying out regular monitoring during pre-monsoon season of 2023 from Ground Water Monitoring Wells (GWMS), NAQUIM-2.0 studies and regular exploratory drilling program, the department collected samples and analyzed and found excess fluoride (more than 1.5 ppm, i.e., beyond maximum permissible limits of BIS) in few samples. The summarized details are tabulated below and details are given in **Annexure-I & II**. The details are shared to line department in the form of reports at regular intervals.

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संचालकालय
भू.स.वि.यं., पुणे-४११ ००५.
7 MAY 2024
2024

S. No.	Type of Aquifer	Period of Sample collections	No of samples beyond maximum permissible limits of BIS (>1.5 ppm)	In parts of Talukas (Nos)	In parts of Districts (Nos)	Type of Studies
1	Shallow Aquifers (DW)	May-2023	49	23	12	Ground Water Monitoring & NAQUIM-2.0
2	Deeper Aquifers (HP/TW)	2011-2023	115	58	22	Exploratory Drilling & NAQUIM-1 & 2.0
3	Deeper Aquifers (HP/TW)	2022-23	33	2	1	Special studies

Apart from above locations identified by CGWB, the State Government Departments also might have identified high fluoride contaminated locations in the state and taken preventive remedial measures towards it. Since the matter is from NGT and of prime importance, therefore it is requested the authority to direct the concerned Dept. to take remedial measures towards mitigation of fluoride contamination from these locations in the state of Maharashtra.

Further, it is requested the authority to send action taken report (ATR) on the same for submission to NGT at the earliest as the matter is posted on **07.08.2024**. The remedial measures may include rain water harvesting systems for recharging and dilution of contaminated water and also for avoiding excessive abstraction of groundwater; dismantling of handpumps in fluoride affected habitation; installation of de-fluoridation techniques etc.

Being an important issue NGT matter, your kind cooperation and early action in this matter is highly solicited.

Yours faithfully

- Encl: 1. Copy of NGT Order.
2. Copy of agenda.
3. Annexure-I & II

(Dr. Pandith Madhnure)
Head of Office

Copy for:

1. The Commissioner, Ground Water Survey and Development Agency, Agriculture College Campus, Wakdewadi Road, Shivajinagar, Pune - 411 005(MS) for information and kind persuasions with Govt for early submission of Action Taken Report to NGT.
2. The Officer-in-Charge, CGWB, SUO, B Wing, 1st Floor Kendriya Sadan, GPOA, Akurdi, Pimpri Chinchwada, Maharashtra 411044 for pursuing with State Authorities for early submissions of ATR (this is with approval of Member, CGWA).
3. Member (CGWA), Jamnagar House, New Delhi - 110011 for kind information please.

(Dr. Pandith Madhnure)
Head of Office

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

February 15, 2024
Original Application No. 728/2023
HB.

Annexure-I

Village wise List of High Fluoride (Geogenic) Contaminated Locations, Maharashtra (Shallow Aquifer)

S.No.	DISTRICT	TAHSIL	SITE_NAME	LAT	LONG	F (> 1.5 mg/l)	Remarks
1	Akola	Akola	Borgaon Manju	20.73333	77.12778	1.65	Ground Water Monitoring & NAQUIM 2.0 study.
2	Bhandara	Bhandara	Shrinagar	21.04028	79.67639	1.51	
3	Bhandara	Tumsar	Landejhari	21.48000	79.57333	1.52	
4	Bhandara	Tumsar	Paunarkhairi	21.53500	79.70472	2.30	
5	Bhandara	Tumsar	Khair Langi	21.40917	79.78444	1.53	
6	Buldhana	MOTALA	Rajur	20.60417	76.17806	3.01	
7	Chandrapur	Chimur	Kawadsi	20.58333	79.49167	1.51	
8	Chandrapur	Chandrapur	Chichpalli	20.00278	79.48611	1.61	
9	Chandrapur	Saoli	Sawali	20.08333	79.78333	2.09	
10	Chandrapur	Chimur	Wahangaon	20.48361	79.23361	1.51	
11	Chandrapur	Sindewahi	Alesur	20.37278	79.56444	2.12	
12	Chandrapur	Saoli	Sakhri	19.99861	79.88917	2.05	
13	Chandrapur	Rajura	Rajura	19.78583	79.37139	1.51	
14	Chandrapur	Warora	Wandhali	20.29722	78.88639	1.58	
15	Chandrapur	SINDEWAHI	Ladbori	20.31250	79.63083	4.40	
16	Gadchiroli	Chamorshi	Chaudampalli	19.60000	79.85000	1.88	
17	Gadchiroli	Aheri	Allapalli	19.43333	80.06667	2.61	
18	Gadchiroli	Chamorshi	Chamorshi	19.93333	79.88333	2.58	
19	Hingoli	Hingoli	Sawad	19.73722	77.06083	2.15	
20	Hingoli	Hingoli	Hingoli	19.70861	77.15417	1.60	
21	Nandurbar	Shahada	Shahada	21.52722	74.47611	1.75	
22	Osmanabad	Tuljapur	Tuljapur	18.01611	76.08833	1.64	
23	Osmanabad	PARANDA	Kukadgaon	18.49222	75.46667	2.15	
24	Parbhani	Parbhani	Karegaon	19.26611	76.82250	2.42	
25	Parbhani	Parbhani	Dharmapur	19.29639	76.75083	2.68	
26	Parbhani	Jintur	Pangri	19.56250	76.69417	2.02	

S.No.	DISTRICT	TAHSIL	SITE_NAME	LAT	LONG	F (> 1.5 mg/l)	Remarks
27	Parbhani	Pathri	Loni	19.15472	76.40667	1.75	Ground Water Monitoring & NAQUIM 2.0 study.
28	Parbhani	Parbhani	Jhari	19.42639	76.76583	1.83	
29	Parbhani	PARBHANI	Wadgaon Sukre	19.13833	76.65250	1.58	
30	Yavatmal	Wani	Bhandewada	20.12611	78.89361	2.04	
31	Sangli	Jath	Sindur	16.86298	75.21522	2.80	
32	Sangli	Jath	Nigani kh	17.10693	75.27947	2.12	
33	Sangli	Jath	Salekari patchapur	17.0444	75.3034	1.59	
34	Sangli	Jath	Nigani kh	17.1314	75.2661	1.55	
35	Sangli	Jath	Umarani	16.9298	75.2458	1.57	
36	Nagpur	Katol	Bilavargondi	21.18297	78.58940	2.84	
37	Nagpur	Saoner	Malegaon	21.43021	78.72476	3.57	
38	Nagpur	Saoner	Asthi Bk	21.4539	78.9016	1.62	
39	Nagpur	Saoner	Kelwad	21.4591	78.8864	1.92	
40	Nagpur	Saoner	Chargaon	21.5018	78.9597	1.65	
41	Nagpur	Saoner	Bichawa	21.5636	78.9539	1.55	
42	Chandrapur	Warora	Hirapur	20.43546	79.03088	2.32	
43	Chandrapur	Warora	Kawadsi	20.3909	79.155	1.88	
44	Chandrapur	Warora	Bembal Tukum	20.4125	79.2173	1.97	
45	Chandrapur	Warora	Dadapur	20.33190	79.16591	2.06	
46	Chandrapur	Warora	Dhanoli	20.3444	79.1986	1.69	
47	Chandrapur	Warora	Borgaon	20.3783	79.1087	1.58	
48	Chandrapur	Warora	Mowada	20.3484	79.0375	1.96	
49	Chandrapur	Warora	Dongargaon	20.34660	79.01757	2.24	

Village wise List of High Fluoride (Geo-genic) Contaminated Locations, Maharashtra (Deeper Aquifer)

S. No.	District	Block	Location	Latitude	Longitude	F > 1.5 mg/L	Remarks
1	Akola	Patur	Jamb	20.3761	76.8661	3.68	Exploratory Drilling, NAQUIM-1, NAQUIM 2.0 study & Special studies.
2	Akola	Patur	Pandhurna	20.3158	76.8294	2.85	
3	Amravati	Amravati	Sawarkhed	21.0750	77.8911	1.74	
4	Amravati	Chandur Railway	Sonegaon	20.7875	77.9803	7.37	
5	Amravati	Nandgaon-Khandeshwar	Bellora	20.8172	77.7022	3.36	
6	Amravati	Teosa	Bhiwapur	20.9286	77.9967	4.7	
7	Amravati	Teosa	Shedhurdana Mohre	21.0042	78.0572	2.15	
8	Aurangabad	Aurangabad	Jalgaon Ferran	19.8982	75.6339	2	
9	Aurangabad	Aurangabad	Jalgaon Ferran	19.8982	75.6339	2	
10	Aurangabad	Sillod	Palshi	20.2866	75.5547	1.72	
11	Aurangabad	Vaijapur	Ladgaon	19.8309	74.7126	1.7	
12	Bhandara	Pauni	Chichal	20.9089	79.6717	1.51	
13	Buldhana	Buldana	Chandol	20.3329	76.0117	1.8	
14	Buldhana	Buldana	Shekapur	20.4597	75.9974	5.35	
15	Buldhana	Chikhli	Ambhasi	20.2697	76.3489	1.53	
16	Buldhana	Chikhli	ESOLI	20.3520	76.4913	3.94	
17	Buldhana	Chikhli	Kelwad	20.4415	76.2289	1.95	
18	Buldhana	Chikhli	Rohada	20.2579	76.2769	5.01	
19	Buldhana	Deolgaon Raja	CHINCHKHEDE	20.1298	76.1355	12.7	
20	Buldhana	Deolgaon Raja	DEULGAON MAHI	20.0867	76.1800	8.94	
21	Buldhana	Mehkar	Pangarkhed	20.2533	76.7762	2.67	
22	Buldhana	Sangrampur	Warwat Bakal	21.0300	76.6792	3.8	
23	Buldhana	Sindkhed Raja	Hiwarkhed	20.0220	76.2611	1.52	
24	Buldhana	Sindkhed Raja	Zotinga	20.0685	76.3598	4.1	

S. No.	District	Block	Location	Latitude	Longitude	F >1.5 mg/L	Remarks
25	Chandrapur	Chimur	Malewada	20.5301	79.4372	1.83	Exploratory Drilling, NAQUIM-1, NAQUIM 2.0 study & Special studies.
26	Chandrapur	Korpana	Korpana	19.7431	78.9862	2.43	
27	Chandrapur	Sindewahi	Ladbori	20.3128	79.6317	2	
28	Chandrapur	Sindewahi	Ladbori	20.3128	79.6317	2	
29	Chandrapur	Warora	Asala	20.3419	79.0577	1.55	
30	Chandrapur	Warora	Bandara	20.3056	79.0490	2.12	
31	Chandrapur	Warora	Bandara	20.3057	79.0454	1.56	
32	Chandrapur	Warora	Bhendala	20.3507	79.1537	2.02	
33	Chandrapur	Warora	Bhendala	20.3516	79.1544	1.54	
34	Chandrapur	Warora	Borgaon Shiwanfal	20.3947	79.0363	1.54	
35	Chandrapur	Warora	Bori	20.2666	78.8466	2.1	
36	Chandrapur	Warora	Chargaon Kh.	20.3602	79.1827	1.66	
37	Chandrapur	Warora	Dadapur	20.3323	79.1672	1.64	
38	Chandrapur	Warora	Dhanoli	20.3443	79.1977	1.61	
39	Chandrapur	Warora	Dindoda	20.2747	79.0768	1.6	
40	Chandrapur	Warora	Dongargaon	20.3277	78.9574	2.24	
41	Chandrapur	Warora	Dongargaon	20.3286	78.9568	2.6	
42	Chandrapur	Warora	Dongargaon Mine	20.3271	78.9618	3.7	
43	Chandrapur	Warora	Gaul (BK)	20.4244	78.9006	4.34	
44	Chandrapur	Warora	Hirapur	20.4345	79.0301	1.52	
45	Chandrapur	Warora	Hirapur	20.4350	79.0297	2.04	
46	Chandrapur	Warora	Hirapur	20.4350	79.0297	2.05	
47	Chandrapur	Warora	Khambada	20.4405	78.9919	1.65	
48	Chandrapur	Warora	Kondala	20.3130	78.9879	2.21	
49	Chandrapur	Warora	Majara RAI	20.3082	79.0359	2.37	
50	Chandrapur	Warora	Mokhala	20.4477	79.1068	3.42	
51	Chandrapur	Warora	Nimdhola	20.4199	79.2116	2.58	

S. No.	District	Block	Location	Latitude	Longitude	F > 1.5 mg/L	Remarks
52	Chandrapur	Warora	Nimdhola	20.4203	79.2119	2.13	Exploratory Drilling, NAQUIM-1, NAQUIM 2.0 study & Special studies.
53	Chandrapur	Warora	Pardi	20.4255	79.1573	1.6	
54	Chandrapur	Warora	Parsoda	20.2648	79.0446	1.7	
55	Chandrapur	Warora	Pohe	20.3544	79.1228	1.54	
56	Chandrapur	Warora	Sakhara	20.4182	79.1348	1.51	
57	Chandrapur	Warora	Satara	20.4127	79.0827	2.04	
58	Chandrapur	Warora	Tembhurna	20.3468	79.0190	2.1	
59	Chandrapur	Warora	Umari	20.3990	79.1491	1.67	
60	Chandrapur	Warora	Waigaon Khadakkar	20.3824	79.2014	2.14	
61	Chandrapur	Warora	Waigaon Khadakkar	20.3826	79.2010	2.36	
62	Gondia	Amgaon	Anjora	21.2991	80.4047	3.09	
63	Jalgaon	Jamner	Hibarkhed	20.8339	75.7292	2.01	
64	Jalgaon	Muktainagar (Edlabad)	Manegaon	21.0706	76.0303	1.53	
65	Kolhapur	Bhudargad	Akurde	16.3075	74.1039	2.6	
66	Kolhapur	Chandgad	Turkewadi	15.8850	74.3416	1.82	
67	Kolhapur	Kagal	Hainidwada	16.4144	74.2786	2.8	
68	Kolhapur	Kagal	Tamnakkwada	16.3084	74.2931	1.6	
69	Kolhapur	Mangalvedhe	Mathewadi	17.5589	75.4154	7.75	
70	Latur	Latur	Akharvai	18.4344	76.4625	1.72	
71	NAGPUR	Kalmeshwar	TSHTI Kh.	21.3756	78.7952	2.44	
72	Nagpur	Katol	Bilavargondi	21.1863	78.5950	3.25	
73	Nagpur	Katol	Hardoli	21.1357	78.6973	1.81	
74	Nagpur	Katol	Junewani	21.2792	78.5257	2.21	
75	Nagpur	Katol	Khandala	21.2569	78.5509	1.81	
76	Nagpur	Katol	Khursapar	21.1522	78.5827	2.36	
77	Nagpur	Katol	Khutamba	21.2283	78.5918	3.63	
78	Nagpur	Katol	Kolhu	21.2320	78.4754	2.56	

S. No.	District	Block	Location	Latitude	Longitude	F >1.5 mg/L	Remarks
79	Nagpur	Katol	Ladgaon	21.2271	78.5647	1.87	Exploratory Drilling, NAQUIM-1, NAQUIM 2.0 study & Special studies.
80	Nagpur	Katol	Lakholi	21.2778	78.6911	1.96	
81	Nagpur	Katol	Mohgaon Jangle	21.2641	78.4671	3.49	
82	Nagpur	Katol	Murti	21.1910	78.5114	1.66	
83	Nagpur	Katol	Murti BW	21.1955	78.5164	5.59	
84	Nagpur	Katol	Panchadara	21.1980	78.6360	4.2	
85	Nagpur	Katol	Sawanga	21.1084	78.7541	2.08	
86	Nagpur	Katol	Ubagi	21.2527	78.7213	3.77	
87	Nagpur	Lakhandur	Haladgaon	20.8461	79.8743	3.34	
88	Nagpur	Nagpur (Rural)	Mangli pyt	20.8286	78.9256	2.4	
89	Nagpur	Saoner	Jaitpur	21.4443	78.7638	2	
90	Nagpur	Saoner	Malegaon	21.2466	78.7159	2.22	
91	Nagpur	Savner	Nanda Gomukh	21.4225	78.7711	2.5	
92	Nagpur	Umred	Davha	20.9100	79.1689	4.49	
93	Nashik	Malegaon	Dapur	20.5772	74.7609	3.6	
94	Parbhani	Parbhani	Ukhlad	19.2483	76.8994	2.11	
95	Parbhani	Purna	Gaur	19.1627	77.0808	2.02	
96	PUNE	Indapur	WADAPURI	18.0180	74.9977	2.19	
97	Ratnagiri	Sangameshwar	Kosumb	17.1060	73.5794	6.02	
98	Sangli	Jat	Darikonur	17.0224	75.3729	6.1	
99	Sangli	Jat	Halli	17.2053	75.5982	4	
100	Sangli	Jat	Kontev Boblad	16.9975	75.6341	1.7	
101	Sangli	Jat	Yelavi	17.1883	75.3070	3.9	
102	Sangli	Jath	Amruthwadi	17.0447	75.2744	1.73	
103	Sangli	Jath	Avandhi	17.2184	75.2033	2.26	
104	Sangli	Jath	Avandhi	17.2204	75.2015	1.63	
105	Sangli	Jath	Balgaon	17.1917	75.6024	2.56	

S. No.	District	Block	Location	Latitude	Longitude	F > 1.5 mg/L	Remarks
106	Sangli	Jath	Belondgi	17.1748	75.5854	2.11	Exploratory Drilling, NAQUIM-1, NAQUIM 2.0 study & Special studies.
107	Sangli	Jath	Gugwad	16.8947	75.1460	1.53	
108	Sangli	Jath	karaiyaon	17.1303	75.5715	1.8	
109	Sangli	Jath	Kudnur	16.9722	75.0325	2.04	
110	Sangli	Jath	Kulawadi	17.1365	75.4657	3.9	
111	Sangli	Jath	Manik nal	17.1089	75.6168	1.8	
112	Sangli	Jath	Nigadi budruk	17.2393	75.5318	1.71	
113	Sangli	Jath	Pandharwadi	17.0048	75.4789	2.17	
114	Sangli	Jath	RajbachiWadi	17.0989	75.4303	2.72	
115	Sangli	Jath	Salekari, patchapur	17.0290	75.2960	1.55	
116	Sangli	Jath	Sankh	17.0878	75.4981	1.6	
117	Sangli	Jath	Sonalgi	17.2532	75.6428	1.85	
118	Sangli	Jath	Sonyal	17.1787	75.4495	2.16	
119	Sangli	Jath	Suslad	17.2265	75.6257	2.2	
120	Sangli	Jath	Tikondi	17.0401	75.5829	2.45	
121	Sangli	Jath	Ugadi	17.1865	75.5136	2.1	
122	Sangli	Jath	Umadi	17.2483	75.5637	1.55	
123	Sangli	Jath	Umadi	17.2483	75.5637	1.82	
124	Sangli	Jath	Umrani	16.8941	75.2538	1.73	
125	Sangli	Kavathemahankal	Khirwade	17.0419	74.9958	1.61	
126	Sangli	Khanapur	Vajegaon	17.3726	74.5878	4.17	
127	Satara	Palus	Andhali	17.1351	74.4803	1.7	
128	Satara	Wai	Eksar	17.9650	73.8384	2.02	
129	Sindhudurg	Malwan	KANDALGAON	16.1167	73.4848	1.58	
130	Sindhudurg	Sawantwadi	Madhkhoh	15.9310	73.8764	2.05	
131	Sindhudurg	Valbhavadi	Nadhawade	16.4969	73.6987	2.09	
132	Solapur	Mohol	Masle Chaudhary	17.9098	75.7253	5.9	

राज्य पाणी व स्वच्छता मिशन
(SWSM)

1 ला मजला, सिडको भवन (दक्षिण कक्ष),
सी.बी.डी. बेलापूर, नवी मुंबई-400614

दूरध्वनी क्र. 022-६९७६२५०३,६९७६२५०८

ई-मेल : technicaljjm@gmail.com

पत्र क्र.रा. पा. व स्व.मि. /पापुशा-01/प्र.क्र. 14/ई-539704 /2024/2792

दिनांक: 06 /08/2024

प्रति,
अवर सचिव (पापु-१२),
पाणी पुरवठा व स्वच्छता विभाग,
मंत्रालय, मुंबई.

विषय:- राज्यातील फ्लोराईड आणि अर्सेनिक बाधित गांसाठी प्रभावी उपाययोजना करणे बाबत.

- संदर्भ: 1) मुख्य अभियंता तथा विशेष कार्य अधिकारी यांचे पत्र क्र. CE&OSD/014/2024 दिनांक १४.05.२०२४.
2) अवर सचिव पापु-१२ यांचे पत्र क्र. WQMS-2024/प्र.क्र.१९/पापु-१२ दिनांक 20.06.2024.
3) अवर सचिव पापु-१२ यांचे पत्र क्र. WQMS-2024/प्र.क्र.१९/पापु-१२ दिनांक 03.07.2024.
4) अवर सचिव पापु-१२ यांचे पत्र क्र. WQMS-2024/प्र.क्र.१९/पापु-१२ दिनांक 11/०७/२०२४.
5) या कार्यालयाचे पत्र क्र. SWSM/WS-01/CR-28/EO-539704/2024/2661 Date-
23/07/2024
6) अवर सचिव पापु-१२ यांचे पत्र क्र. WQMS-2024/प्र.क्र.१९/पापु-१२ दिनांक 31 /०७/२०२४.

संदर्भ क्र. १ अन्वये CGWB केंद्रीय भूजल बोर्ड यांच्या निदर्शनास आलेल्या राज्यातील फ्लोराईड बाधित दिलेल्या 150 स्रोतांची यादी सादर केलेली होती. सदर स्रोत जल जीवन मिशन अंतर्गत घेण्यात आले आहे किंवा नाही, यावर काय उपाय योजना केलेली आहे याबाबत विचारणा केली होती. या मध्ये राज्यातील २४ जिल्ह्यातील 150 स्रोत/गावांचा समावेश आहे.

त्याअनुषंगाने जिल्हयाकडून प्राप्त माहितीनुसार वरील संदर्भ पत्र क्र. 5 अन्वये मुख्य अभियंता तथा विशेष कार्यअधिकारी यांना माहिती सादर करण्यात आली होती. तसेच सदर पत्राची प्रत अवर सचिव पापु-१२ यांना देण्यात आली होती.

वरील संदर्भिय पत्र क्र. 6 च्या अनुषंगाने जिल्हयाकडून प्राप्त माहितीनुसार अहवाल सोबत जोडण्यात येत आहे.

मा.अभियान संचालक यांच्या मान्यतेने

सोबत: वरील प्रमाणे

(सुषमा सातपुते)

अति. मिशन संचालक
राज्याणी व स्वच्छता मिशन

ATR On action taken for remedial measures taken for fluoride affected sources-Maharashtra

Sr.No.	No of District where fluoride Contamination As per CGWB	No. of Block where fluoride Contamination As per CGWB	No of sources where Fluoride contamination Location As per CGWB	Villages / location are in Urban region	No of villages in Rural region	No of sources fluoride contaminated source mentioned in in CGWB list not being used for drinking purpose from colm. 8	No of sources fluoride contaminated source mentioned in in CGWB list being used for drinking purpose from colm. 8	No of source tested for fluoride contamination in FY 2023-24, 2024-25 from colm. 10	No of Source Not found contaminated in WQ test	From colm. 4. No of Village where the JIM Scheme is taken	No of contaminated location(As per CGWB) as source taken for JIM Scheme from colm. 8	No. of source found fluoride contaminated from colm. 14 upon WQ test		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Alkola	1	1	0	1	1	0	1	0	1	0	15		
2	Bhandara	3	5	1	4	4	0	4	0	4	0	0		
3	Buldhana	1	1	1	1	1	0	1	0	1	0	0		
4	Chandrapur	7	46	3	43	43	0	43	0	41	0	0		
5	Dharashiv	2	2	1	1	1	0	1	0	1	0	0		
6	Gadchiroli	2	3	1	2	2	0	2	0	2	0	0		
7	Gondia	1	1	1	1	1	1	0	1	1	0	0		
8	Hingoli	1	2	1	1	1	0	1	0	1	0	0		
9	Jalgaon	2	2	2	2	2	0	2	0	2	0	0		
10	Kolhapur	3	4	4	4	0	4	4	4	2	2	0		
11	Latur	1	1	1	1	1	0	1	0	1	0	0		
12	Nagpur	5	21	21	21	21	0	21	0	16	0	0		
13	Nandurbar	1	1	1	0	0	0	0	0	0	0	0		
14	Nashik	1	1	1	1	1	0	1	0	1	0	0		
15	Parbhani	3	5	5	5	5	0	5	0	5	0	0		
16	Pune	1	1	1	1	1	0	1	0	1	0	0		
17	Retnagiri	1	1	1	1	1	0	1	0	1	0	0		
18	Sangli	5	30	30	30	30	0	30	0	29	0	0		
19	Satara	1	1	1	1	1	0	1	0	1	0	0		
20	Sindhudurg	3	3	3	3	3	0	3	0	3	0	0		
21	Solapur	4	6	2	4	4	0	4	0	3	0	0		
22	Wardha	2	2	2	2	2	0	2	0	2	0	0		
23	Washim	1	2	2	2	2	0	2	0	2	0	0		
24	Yavatmal	6	8	8	8	8	0	8	0	6	0	0		
Total		58	150	10	140	135	5	135	5	127	2	0		

ATR On action taken for remedial measures taken for fluoride affected sources-Maharashtra

Sr.No.	No of District where fluoride Contamination As per CGWB	No. of Block where fluoride Contamination As per CGWB	No of sources where Fluoride contamination Location As per CGWB	Villages / location are in Urban region	No of villages in Rural region	No of sources fluoride contaminated source mentioned in in CGWB list not being used for drinking purpose from colm. 8	No of sources fluoride contaminated source mentioned in in CGWB list being used for drinking purpose from colm. 8	No of source tested for fluoride contamination in FY 2023-24, 2024-25 from colm. 10	No of Source Not found contaminated in WQ test	From colm. 4. No of Village where the JIM Scheme is taken	No of contaminated location(As per CGWB) as source taken for JIM Scheme from colm. 8	No. of source found fluoride contaminated from colm. 14 upon WQ test		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1		3	4	6	8	9	5	9	5	13	2	15		
1		58	150	10	140	135	5	135	5	127	2	0		