

BEFORE THE NATIONAL GREEN TRIBUNAL, PRINCIPAL
BENCHAT NEW DELHI

O.A. NO. 728 OF 2023

In Re:

News item appearing in Hindustan dated 30.11.2023 titled “Arsenic found in groundwater in 25 States, fluoride in 27 States: Govt.”

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Through

Richa Kapoor

Richa Kapoor
Advocate for the Delhi Jal Board
Ch. No. 407 Lawyers Chambers
Block-I, Delhi High Court
New Delhi-110003
Mobile: 9810400407
Email:office@marklegal.co.in

Place: New Delhi
Dated: 25.04.2024

BEFORE THE NATIONAL GREEN TRIBUNAL, PRINCIPAL
BENCHAT NEW DELHI

O.A. NO. 728OF 2023

In Re:

News item appearing in Hindustan dated 30.11.2023 titled “Arsenic found in groundwater in 25 States, fluoride in 27 States: Govt.”

**SUPPLEMENTARY STATUS REPORT ON BEHALF OF GOVT.
NCT OF DELHI THROUGH DELHI JAL BOARD
INCONTINUATION OF EARLIER STATUS REPORTDATED
22.12.23**

MOST RESPECTFULLY SHOWETH:

1. In compliance with the direction given by the Hon’ble Tribunal vide the order dated 15.02.2024, Govt. of NCT of Delhi through DJB pursued the matter diligently to expedite the process, and accordingly steps were taken to ensure timely and effective submission of the supplementary status report in continuation to status report dated 22.12.23.
2. That Central Ground Water Board sent a letter to Member (Water Supply) DJB vide no. CGWB/ND/SUO/NGT/728/2023-964 dated 29.02.2024 with an annexure mentioning the list of areas where the water samples have been found having fluoride and arsenic more than the permissible limits attached as **Annexure – A**. The status of water supply being supplied to the residents in these areas was communicated to CGWB vide our letter no DJB/Wzd/DTQC/NGT-728/2024/874 dt 27.03.2024 attached as **Annexure – B** and is given as under:

S.No.	District	Name of Location	Mode of water supply	Remarks
Fluoride affected areas				
1	Central	MajnuKaTeela	The residents of this area are supplied Filter water. However, there are three Tubewells from which water is supplied in the area through a separate water line meant for non-drinking purpose	No effect on drinking water supply
2	North	Heroli, Rohini Sec-28, Haiderpur	The residents of this area are supplied Filterwater.	No effect on drinking water supply
		Khera Kalan	The water supply in this area is supplied from Ranney wells & Tubewells of Palla region. The fluoride content in these Tubewells & Ranney Wells is within permissible limit.	No effect on drinking water supply
3	North West	Rohini Sector 11, Nizampur, Sainik Vihar	The residents of this area are supplied Filterwater.	No effect on drinking water supply
		Sanjay Van	It is big park and no drinking water is being provided in this park	Residents not affected.
4	South	JamaliKamali	The residents of this area are supplied Filter water.	No effect on drinking water supply
5	South West	Jhuljhuli, Dwarka Sec 23 DDA Park	The residents of this area are supplied Filter water.	No effect on drinking water supply
6	West	Vikaspuri, Janakpuri	The residents of this area are supplied Filter water. However, water demand is also supplemented from the Tubewells	Samples were lifted from seven Tubewells in this area randomly and only one Tubewell is having fluoride content beyond permissible limit. Directions have been issued for its utilization for non drinking purpose.
Arsenic affected areas				
1	Nazuland	Nizamuddin Bridge-2	The residents of this area are supplied Filter water.	Ground water is not used for drinking purpose.
2	South East	NangliRajpura	The residents of this area are supplied Filter water.	Ground water is not used for drinking purpose.
3	Central	Jagatpur	The residents of this area are supplied Filter water.	Ground water is not used for drinking purpose.

3. However, DJB made a joint survey and sampling with CGWB staff at all the three above locations for checking the Arsenic. It was found that CGWB lifted the water samples from the shallow handpumps which are generally used by the public for non-drinking purpose and no source of ground water was found at Nizamuddin Bridge-2 . The test reports are attached as **Annexure C**. The Arsenic in both the samples has been found below the permissible limits.
4. Further, Delhi Jal Board (DJB) lifted water samples from the Tubewells under the jurisdiction of DJB in various areas of Delhi. The status of Fluoride and Arsenic in these water samples was submitted in the Hon'ble court in the last date of hearing held on 15.02.2024. The testing of Arsenic in some of the labs could not be done due to non-availability of the required machinery earlier. Now these samples have been checked in the centralised lab at Wazirabad and the results are as under:

Sr. No.	Name of Lab	Command Areas	Total no of tubewells collected and tested	Tubewells in which Arsenic Found beyond permissible limit	Remarks
1	Central Lab Wazirabad	North & Central Delhi and Rural North	262	0	Report already submitted in last status report dated 14.02.2024
2	Zonal Lab, Okhla	South Delhi	63	0	The permissible limit as per IS 10500:2012 Reaffirmed in 2018 is 0.05ppm
3	Zonal Lab,	Trans	163(There was a	0	-do-

	Tahirpur, Dilshad Garden	Yamuna Area (East &North East Delhi)	typing error in the last affidavit submitted on 14.02.2024 and this figure was mentioned as 258)		
4	Zonal Lab, Haiderpur	West Delhi and Rural North & West	59	Not Detected in samples	Report already submitted in last status report dated 14.02.2024
5	Zonal Lab, Greater Kailash (RWS)	Rural South West Delhi	434	365 samples have been lifted, out of which 171 checked and found arsenic below the permissible limit	The process for remaining samples is in progress.
6	Zonal Lab, Nangloi	Najafgarh Zone & Nangloi Area	70	0	
7	Zonal Lab, Dwarka	South West Delhi	54	0	
8	Zonal Lab, Bawana	Narela, Bawana, North West Delhi	56	0	

5. The status report is being submitted in this Hon'ble Tribunal for the record and kind perusal. However, any further direction given by this Hon'ble Tribunal in this regard will be abided by the undersigned Submitted please.


(Naresh Kumar Dargan)
Director (T&QC)

NARESH KUMAR DARGAN
Director (T&QC)
Water Works Wazirabad
Delhi-110054

Dated: 25.04.2024
Place: New Delhi



केन्द्रीय भूमि जल बोर्ड /CENTRAL GROUND WATER BOARD
राज्य एकक कार्यालय /STATE UNIT OFFICE-DELHI
जल संसाधन, नदी विकास एवं जल संरक्षण विभाग/ DEPARTMENT OF WR, RD & GR
भारत सरकार, नई दिल्ली/ GOVERNMENT OF INDIA, NEW DELHI

CGWB/ND/SUO/NGT728/2023-964

To,
Member (Water Supply)
Delhi Jal Board
Varunalaya Phase-II, Delhi Jal Board Office
Jhandewalan, Karol Bagh, New Delhi-110005



Date: 29.02.2024
29 FEB 2024

Subject: Seeking information regarding the water supply in the areas affected by Arsenic and Fluoride contamination in ground water in the NCT of Delhi.

Sir,

Central Ground Water Board generates ground water quality data annually for the NCT of Delhi through its network of quality monitoring stations. The details of location wherein the Arsenic and Fluoride has been reported beyond the permissible limit in ground water of NCT Delhi for the Year 2022 is given in Annexure.

In reference to this, it is requested to kindly provide information whether water supply in the affected area is based on surface or ground water sources. And in case ground water sources are being utilized, what are treatment methods being employed to ensure the water is safe for human consumption.

These details may kindly be provided by 04.03.2024. The information is required to formulate a comprehensive response for NGT application no. 728/2023. Your prompt attention to this matter is highly appreciated.

Sh. Mohit / CE(WW)-I
DTOC

S.K. Mohiddin
Head of Office
CGWB, SUO, New Delhi

Annexure

Distribution of Fluoride beyond permissible limit in the NCT of Delhi (as per Year 2022)

S. No	District	No. of samples analyzed	No. of location affected	Name of Location
1.	Central	5	1	Majnu Ka Tila
2.	North	18	4	Hareoli, Rohini sec-28, Khera Kalan, Haiderpur
3.	North West	15	5	Rohini Sec 11, Nizampur, Sainik Vihar, Rohini Sec-11, Sanjay Van
4.	South	8	1	Jamali Kamali
5.	South West	12	2	Jhuljhuli, Dwarka Sec 23 DDA Park
6.	West	9	2	Vikaspuri, Janakpuri

Distribution of Arsenic beyond permissible limit in the NCT of Delhi (as per Year 2022)

S. No	District	No. of samples analyzed	No. of location affected	Name of Location
1	Nazulland	3	1	Nizamuddin Bridge-2
2	South East	5	1	Nangli Rajpura
3	Central	5	1	Jagatpur

CENTRAL GROUND WATER BOARD
STATE UNIT OFFICE- DELHI
DEPARTMENT OF WR, RD & GR
GOVERNMENT OF INDIA, NEW DELHI

CGWB/ND/SUO/NGT728/2023-964

Date: 29.02.2024

To,
Member (Water Supply)
Delhi Jal Board
Varunalaya Phase-II, Delhi Jal Board Office
Jhandewalan, Karol Bagh, New Delhi -110005

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In reference to this, it is requested to kindly provide information whether water supply in the affected areas is based on surface or ground water sources. And in case ground water sources are being utilized, what are treatment methods being employed to ensure the water is safe for human consumption.

These details may kindly be provided by 04.03.2024. The information is required to formulate a comprehensive response for NGT application no. 728/2023. Your prompt attention to this matter is highly appreciated.

Sd/-
29.2.2024
S.K. Mohiddin
Head of Office
CGWB, SUO, New Delhi

Annexure

Distribution of Fluoride beyond permissible limit in the NCT of Delhi
(as per Year 2022)

S. No.	District	No. of samples analyzed	No. of location affected	Name of Location
1.	Central	5	1	Majnu Ka Tila
2.	North	18	4	Harcoli, Rohini Sec-28, Khara Kalan, Haiderpur
3.	North West	15	5	Rohini Sec 11, Nizampur, Sainik Vihar, Rohini Sec-11, Sanjay Van
4.	South	8	1	Jamali Kamali
5.	South West	12	2	Jhuljhuli, Dwarka Sec 23 DDA Park
6.	West	9	2	Vikaspuri, Janakpuri

Distribution of Arsenic beyond permissible limit in the NCT of Delhi (as per Year 2022)

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3.	Central	5	1	Jagatpur



OFFICE OF THE DIRECTOR(T&QC)
DELHI JAL BOARD : GOVT. OF NCT OF DELHI
WATER WORKS WAZIRABAD : DELHI-110054
Mail ID : dtqc.djb@gmail.com



No. DJB/Wzd/DTQC/NGT-728/2024/874

Date : 27.03.2024

To

Mr. S. K. Mohiddin (Head of Office),
Central Ground Water Board (Govt. Of India),
SUO-Delhi, West Block-2, Wing-3,
Sector-1,R. K. Puram,
New Delhi-110 066.

Subject : Status of water supply in the areas affected by Arsenic & Fluoride contamination in groundwater in NCT of Delhi.

Sir,

Please refer your letter No. CGWB/ND/SUO/NGT728/2023/964 dated 29.02.2024 received through Member (Water Supply) DJB, in which clarification was sought regarding mode of water supply in the areas where Fluoride and Arsenic was reported beyond permissible limit in Delhi by CGWB. The status of water supply in the affected areas as mentioned in the annexure attached with above mentioned letter is as under:

S. No.	District	Name of Location	Mode of water supply
Fluoride affected areas			
1	Central	Majnu Ka Teela	The residents of this area are supplied Filter water. However, there are three Tubewells from which water is supplied in the area through a separate water line meant for non-drinking purpose
2	North	Heroli, Rohini Sec-28, Haiderpur	The residents of this area are supplied Filter water.
		Khera Kalan	The water supply in this area is supplied from Ranney wells & Tubewells of Palla region. The fluoride content in these Tubewells & Ranney Wells is within permissible limit.
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2	South East	Nangli Rajpura	The residents of this area are supplied Filter water.
3	Central	Jagatpur	The residents of this area are supplied Filter water.

(Naresh Kumar Dargan)
Director (Treatment & Quality Control)

 Delhi Jal Board	DELHI JAL BOARD: GNCTD ZONAL LABORATORY WATER WORKS WAZIRABAD, DELHI-110054 (NABL ACCREDITED LABORATORY)	 एक कदम स्वच्छता की ओर
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TEST REPORT			
Nature of Samples	Joint Sampling with CGWB Official Mr. Praveen, SUO		
Location/ Address	(1) Hand pump Nangli Rajpura Near Mayur Vihar Phase-1 Metro Station (2) Hand pump Jagatpur Wazirabad, near Shiv Mandir		
Sample Collection Date	15.03.2024	Lab Sample ID	-
Quantity of Sample	02 Litres	Start Date of Analysis	21.03.2024
Report ID	1. DJB/ZL/WZD/010853/2024 2. DJB/ZL/WZD/010853/2024	End Date of Analysis	21.03.2024

S. No.	Parameters	Unit	As per the IS 10500:2012		Hand pump Nangli Rajpura Near Mayur Vihar Phase-1 Metro Station	Hand pump Jagatpur Wazirabad, near Shiv Mandir
			Desirable Limit	Permissible Limit		
1.	Arsenic	mg/L	0.01	0.05	0.029	BDL

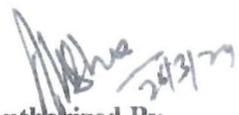
.....End of Report.....

BDL=Below Detection Limit

Reporting Date: 26.03.2024


 Tested By
 Lab Tech.


 Reviewed By
 Asstt. Chemist


 Authorized By
 Chemist