

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO. 116 OF 2025

Resident Welfare Association
A1 Block Janakpuri

...Applicant

Versus

Delhi Jal Baord & Ors.

...Respondents

Index

S. No.	Particulars	Pg. No.
1.	Report on behalf of Central Pollution Control Board, (CPCB) in compliance to order dated 14.05.2025 in OA. No. 116/2025.	



**Filed by Adv. Rajkumar
On behalf of Central Pollution Control Board**

**Place: Delhi
Dated: 29.05.2025**

REPORT BY CPCB IN COMPLIANCE TO HON'BLE NGT ORDER DATED 08.04.2025 IN THE MATTER OF OA NO. 116/2025 TITLED; "RESIDENT WELFARE ASSOCIATION A-1 BLOCK JANAKPURI VS DELHI JAL BOARD & ORS."

1.0 BACKGROUND

The Hon'ble National Green Tribunal vide order dated **08.04.2025** in Original Application No. 116 of 2025 directed CPCB to collect tap water samples from **10** houses from the affected houses in A-1 Block Janakpuri marked by the applicant in page no.52 of the original application and submit report before Hon'ble NGT.

Further, the Hon'ble NGT vide its order dated **14.05.2025** directed CPCB to collect samples without informing DJB from **10** new locations in addition to 10 earlier locations and analyse the samples particularly for Fecal Coliform & E Coli and to submit the report of earlier samples and fresh samples before next date of hearing.

2.0 COMPLIANCE TO THE HON'BLE NGT ORDER DATED 08.04.2025

2.1 Sampling Collection

In compliance of the order dated 08.04.2025, a team of officers of CPCB HO comprising Mr. Gautam Sondhi, Sc.B, Mr. Ritik Bhagat, Sc.B, Dr Jyoti Singh RA-III and Mr. Ravi Kumar, JLA collected samples of tap water supplied by DJB from 10 houses in A-1 Block Janakpuri marked as affected by the applicant in page no.52 of the Original Application, and 01 sample of water of the Under Ground Reservoir of DJB located at C-2 B Block, Janakpuri on 29.04.2025. The said Under Ground Reservoir of DJB supplies water to houses of A-1 Block Janakpuri. Subsequently, in compliance of the instructions during the proceedings on the matter in NGT on 14.05.2025 (and the order uploaded subsequently) the above team of officers of CPCB HO

comprising Mr. Gautam Sondhi, Sc.B, Mr. Ritik Bhagat, Sc.B, Dr Jyoti Singh RA-III collected samples of tap water from 10 new locations in A-1 Block Janakpuri

marked as affected by the applicant in the O.A., and 01 sample of water again of the Under Ground Reservoir of DJB on 15.05.2025.

Sampling details provided by the team are attached.

2.2 Analytical Results

The collected samples have been analysed for General Parameters (pH, colour, TDS, total alkalinity, total hardness, chlorides, calcium, nitrate, fluoride, SO_4^{2-} and free residual chlorine), Heavy Metals (As, Cd, Cr, Cu, Co, Fe, Pb, Mn, Ni, Zn, Se), Bacteriological parameters [Total Coliform (TC), Fecal Coliform (FC) and E. Coli].

The analytical results of the bacteriological parameters for the samples of tap water supplied by DJB from the **20** houses in A-1 Block Janakpuri, the area marked as affected at page no.52 of the Original Application, and **02** samples of water collected from the Under Ground Reservoir of DJB, are presented in **Table 1**. The analytical results of the general parameters and heavy metals for the samples collected are presented in **Table 2** and **Table 3** respectively.

2.3 Findings

1. Out of the **20** samples of tap water collected from **20** houses in A-1 block Janakpuri, Total Coliform and E.Coli have been detected in 06 samples. The Drinking Water Standards of Bureau of Indian Standards - IS 10500:2012 prescribe that Total coliform and E.Coli shall not be detected in drinking water sample.
2. Total coliform and E.Coli have not been detected in the **02** water samples collected from the Under Ground reservoir of DJB.



(Nazimuddin)
Scientist 'F'

Central Pollution Control Board
29.05.2025

Table No.1 Analytical Results of the bacteriological parameters & free residual chlorine

S. No.	Details of the sampling locations Janakpuri, Delhi	Time of Sampling	Bacteriological Parameters			Free Residual Chlorine (in mg/L)
			Total Coliform (MPN/100 mL)	Fecal Coliform (MPN/100 mL)	E. Coli (MPN/100 mL)	
Drinking Water Standards as per IS 10500: 2012			Shall not be detectable in any 100 ml sample	-	Shall not be detectable in any 100 ml sample	0.2 mg/L (Minimum)
Samples collected on 29.04.2025						
1.	15.5 Million Litre UGR & Booster Pumping Station at C-2 B Block	05:30 AM	BDL	BDL	BDL	1.22
2.	A-1/64, 1 st floor	06:30AM	BDL	BDL	BDL	N.D
3.	A-1/53, 2 nd floor	06:50AM	BDL	BDL	BDL	4.54
4.	A-1/53, Ground floor	07:05 AM	BDL	BDL	BDL	3.32
5.	A-1/122, 2 nd floor	07:30 AM	BDL	BDL	BDL	2.66
6.	A-1/73, Ground floor	08:00 AM	BDL	BDL	BDL	N.D
7.	A-1/141, 2 nd floor	06:45AM	170	14	7.8	0.44
8.	A-1/108, 1 st floor	07:15 AM	BDL	BDL	BDL	N.D
9.	A-1/143, Upper Ground floor	07:36 AM	BDL	BDL	BDL	1.33
10.	A-1/63, Ground floor	08:30 AM	130	130	33	3.32
11.	A-1/148, 2 nd floor	08:50 AM	1100	490	94	N.D

Samples collected on 15.05.2025

12.	15.5 Million Litre UGR & Booster Pumping Station at C-2 B Block	08:55 AM	BDL	BDL	BDL	1.1
13.	A-1/65, Ground floor	05:40 AM	49	33	11	N.D
14.	A-1/64, 2 nd floor	05:55 AM	BDL	BDL	BDL	N.D
15.	A-1/57, 2 nd floor	06:05 AM	7.8	4.5	4.5	N.D
16.	A-1/53, 1 st floor	06:13 AM	BDL	BDL	BDL	N.D
17.	A-1/130, 2 nd floor	06:35 AM	130	22	22	N.D
18.	A-1/123, Ground floor	06:42 AM	BDL	BDL	BDL	1.32
19.	A-1/119, Upper Ground floor	06:55 AM	BDL	BDL	BDL	N.D
20.	A-1/127, Ground floor	07:10 AM	BDL	BDL	BDL	1.1
21.	A-1/95, 1 st floor	07:25 AM	BDL	BDL	BDL	N.D
22.	A-1/45, Ground floor	07:50 AM	BDL	BDL	BDL	1.32
BDL stands for Below Detection Limit; Detection Limit: TC/FC/E.Coli:<1.8 MPN/100 mL, N.D stands for Non-Detectable						

195 Table No.2 Analytical Results of the General parameters for samples collected on
29.04.2025

S. No.	Details of the sampling locations at Janakpuri, Delhi	pH	TDS (in mg/L)	Total Alkalinity (in Meq/L)	Total Hardness (in mg/L)	Color (Haze in Units)	Cl ⁻ (in mg/L)	Ca ²⁺ (in mg/L)	NO ₃ ⁻ (in mg/L)	SO ₄ ²⁻ (in mg/L)	F ⁻ (in mg/L)
Drinking Water Standards as per IS 10500: 2012		6.5-8.5	500/2000	200/600	200/600	5/15	250/1000	75/200	45	200/400	1/1.5
Samples collected on 29.04.2025											
1.	15.5 Million Litre UGR & Booster Pumping Station at C-2 Block	7.41	218	75	115	8	34	35	0.46	55	0.25
2.	A-1/64, 1 st floor	7.37	214	82	122	BDL	33	41	0.47	60	0.23
3.	A-1/53, 2 nd floor	7.48	198	82	119	BDL	31	34	0.52	62	0.3
4.	A-1/53, Ground floor	7.46	198	83	120	BDL	34	41	0.52	62	0.35
5.	A-1/122, 2 nd floor	7.46	180	79	134	BDL	35	35	0.51	59	0.22
6.	A-1/73, Ground floor	7.45	214	77	125	BDL	35	35	0.59	63	0.21
7.	A-1/141, 2 nd floor	7.3	206	78	141	BDL	37	38	0.43	62	BDL
8.	A-1/108, 1 st floor	7.55	210	77	151	BDL	44	36	0.68	61	0.22
9.	A-1/143, Upper ground floor	7.57	192	83	133	BDL	36	38	0.52	60	BDL
10.	A-1/63, Ground floor	7.47	182	80	139	BDL	38	37	0.63	64	BDL
11.	A-1/148, 2 nd floor	7.35	184	75	142	BDL	36	39	0.49	60	BDL

Samples collected on 15.05.2025

12.	15.5 Milli on Litre U GR & Boo ster Pumpi ng Station at C-2 B B lock	7.55	202	94	129	BDL	15	47	0.54	40	0.24
13.	A-1/65,Gr ound floor	7.31	222	95	141	BDL	25	41	0.76	44	0.2
14.	A-1/64, 2 nd floor	7.33	214	89	150	BDL	18	38	0.69	38	0.34
15.	A-1/57, 2 nd floor	7.28	204	91	139	BDL	23	44	0.61	38	0.42
16.	A-1/53, 1 st floor	7.35	196	88	251	BDL	21	40	0.66	37	0.36
17.	A-1/130, 2 nd floor	7.42	1738	291	604	BDL	550	146	10.55	180	0.83
18.	A-1/123, G round floo r	7.4	204	83	138	BDL	24	49	1.2	44	0.36
19.	A-1/119, Upper Gro und floor	7.35	208	90	125	BDL	17	44	0.82	37	0.25
20.	A-1/127, Ground flo or	7.41	212	89	167	BDL	19	38	0.58	38	0.26
21.	A-1/95, 1 st floor	7.42	214	87	142	BDL	18	50	0.58	40	0.4
22.	A-1/45, Gr ound floor	7.35	192	91	140	BDL	17	50	0.58	38	0.34
BDL stands for Below Detection Limit: Detection Limit for Color: 05 Hazen and for Fluoride: 0.2 mg/L											

197 Table No.3 Analytical Results of the Heavy Metals for samples collected on 29.04.2025

S. No.	Details of the sampling locations at Janakpuri, Delhi	Arsenic (in mg/L)	Cadmium (in mg/L)	Chromium (in mg/L)	Copper (in mg/L)	Iron (in mg/L)	Lead (in mg/L)	Manganese (in mg/L)	Nickel (in mg/L)	Selenium (in mg/L)	Zinc (in mg/L)
	Drinking Water Standards as per IS 10500: 2012	0.05	0.003	0.05	1.5	0.3	0.05	0.3	0.02	0.01	15
Samples collected on 29.04.2025											
1.	15.5 Million Litre UGR & Booster Pumping Station at C-2 B Block	BDL	BDL	BDL	BDL	0.057	BDL	BDL	BDL	BDL	0.013
2.	A-1/64, 1 st floor	BDL	BDL	BDL	BDL	0.898	BDL	0.019	BDL	BDL	0.024
3.	A-1/53, 2 nd floor	BDL	BDL	BDL	BDL	0.331	BDL	BDL	BDL	BDL	0.015
4.	A-1/53, Ground floor	BDL	BDL	BDL	BDL	0.203	BDL	BDL	BDL	BDL	0.024
5.	A-1/122, 2 nd floor	BDL	BDL	BDL	BDL	0.061	BDL	BDL	BDL	BDL	BDL
6.	A-1/73, Ground floor	BDL	BDL	BDL	BDL	0.287	BDL	BDL	BDL	BDL	0.016
7.	A-1/141, 2 nd floor	BDL	BDL	BDL	BDL	0.356	BDL	0.011	BDL	BDL	0.021
8.	A-1/108, 1 st floor	BDL	BDL	BDL	BDL	0.211	BDL	BDL	BDL	BDL	0.101
9.	A-1/143, Upper ground floor	BDL	BDL	BDL	BDL	0.198	BDL	BDL	BDL	BDL	0.041
10.	A-1/63, Ground floor	BDL	BDL	BDL	BDL	0.099	BDL	BDL	BDL	BDL	0.016
11.	A-1/148, 2 nd floor	BDL	BDL	BDL	0.016	3.945	BDL	0.076	0.02	BDL	0.077

Samples collected on 15.05.2025

12.	15.5 Million Litre UGR & Booster Pumping Station at C-2 B Block	BDL	BDL	BDL	0.911	0.221	BDL	0.01	BDL	-	BDL
13.	A-1/65, Ground floor	BDL	BDL	BDL	BDL	0.211	BDL	0.01	BDL	-	0.072
14.	A-1/64, 2 nd floor	BDL	BDL	BDL	BDL	0.425	BDL	0.014	BDL	-	BDL
15.	A-1/57, 2 nd floor	BDL	BDL	BDL	BDL	0.503	BDL	0.017	BDL	-	0.125
16.	A-1/53, 1 st floor	BDL	BDL	BDL	BDL	0.663	BDL	0.016	BDL	-	BDL
17.	A-1/130, 2 nd floor	BDL	BDL	BDL	BDL	0.057	BDL	BDL	BDL	-	0.062
18.	A-1/123, Ground floor	BDL	BDL	BDL	BDL	0.165	BDL	0.011	BDL	-	0.082
19.	A-1/119, Upper Ground floor	BDL	BDL	BDL	BDL	0.316	BDL	0.012	BDL	-	0.171
20.	A-1/127, Ground floor	BDL	BDL	BDL	BDL	0.401	BDL	0.014	BDL	-	0.267
21.	A-1/95, 1 st floor	BDL	BDL	BDL	BDL	0.083	BDL	BDL	BDL	-	BDL
22.	A-1/45, Ground floor	BDL	BDL	BDL	BDL	0.145	BDL	BDL	BDL	-	0.023

BDL stands for Below Detection Limit: Detection Limit for Arsenic: 0.00049 mg/L; Cadmium: 0.00042 mg/L; Chromium: 0.00056 mg/L; Lead: 0.00031 mg/L; Manganese: 0.00043 mg/L; Nickel: 0.00054 mg/L; Selenium: 0.00113 and for Zinc: 0.00059 mg/L

Sampling Report of the monitoring carried out at A-1 Block Janakpuri, Delhi

The sampling of the water samples supplied by DJB from the affected area marked by the applicant in page no. 52 of the original application was carried out on 29.04.2025 and 15.05.2025.

The details of the individual households from where the samples of the water supplied by DJB are tabulated below:

S. No.	Sampling Codes	Details of the Sampling locations at Janakpuri, Delhi	Time of sampling
Samples collected on 29.04.2025			
1.	WS-1	15.5 Million Litre UGR & Booster Pumping Station at C-2 B Block	05:30 AM
2.	WS-2	A-1/64, 1 st floor	06:30AM
3.	WS-3	A-1/53, 2 nd floor	06:50AM
4.	WS-4	A-1/53,Ground floor	07:05 AM
5.	WS-5	A-1/122, 2 nd floor	07:30 AM
6.	WS-6	A-1/73,Groundfloor	08:00 AM
7.	WS-7	A-1/141, 2 nd floor	06:45AM
8.	WS-8	A-1/108, 1 st floor	07:15 AM
9.	WS-9	A-1/143, Upper Ground floor	07:36 AM
10.	WS-10	A-1/63, Ground floor	08:30 AM
11.	WS-11	A-1/148,2 nd floor	08:50 AM
Samples collected on 15.05.2025			
12.	JW-11	15.5 Million Litre UGR & Booster Pumping Station at C-2 B Block	08:55 AM
13.	JW-1	A-1/65,Ground floor	05:40 AM
14.	JW-2	A-1/64, 2 nd floor	05:55 AM
15.	JW-3	A-1/57, 2 nd floor	06:05 AM
16.	JW-4	A-1/53, 1 st floor	06:13 AM
17.	JW-5	A-1/130,2 nd floor	06:35 AM
18.	JW-6	A-1/123,Ground floor	06:42 AM
19.	JW-7	A-1/119, Upper Ground floor	06:55 AM
20.	JW-8	A-1/127, Ground floor	07:10 AM
21.	JW-9	A-1/95, 1 st floor	07:25 AM
22.	JW-10	A-1/45, Ground floor	07:50 AM

Note: As informed by DJB Officials verbally on 29.04.2025, the water is supplied in A-1, Block, Janakpuri from 5:30 AM to 8:00 AM in the morning.

The water from the Underground Water Reservoir (UGR) installed by DJB at C-2, B Block, Janakpuri is pumped and further supplied to A-1, Block,Janakpuri.

Based on the information provided by the individual households, the water samples are collected from the pipeline directly connected to the water supply pipeline of DJB.



केंद्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
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जैव-विज्ञान प्रयोगशाला BIO-SCIENCE LABORATORY
Microbiological Analysis Report

- रिपोर्ट संख्या और जारी करने की तारीख
Report No. & Date of Issue : BIO/2526/MB/00001,06/05/2025
- रिपोर्ट भेज दी गई है
(मांगकर्ता का नाम, मोबाइल नंबर और पता)
Report Sent To : DH of WQM-I
(Name, Mobile no. & Address of Indentor)
- नमूने पंजीकरण संख्या और दिनांक
Samples Registration No. & Date : BIO/MB/2526/SR00013,29/04/2025
- विश्लेषण अनुरोध प्रभाग/संगठन
Analysis Request Division/Organization : WQM-I
- एकत्रित किया गया नमूना
Sample Collected by : Alpana Narula, Sh. Gautam Sondhi, Scientist 'B', Sh. Ritik Bhagat, Scientist 'B', Dr Jyoti Singh RA-III & Sh. Ravi Kumar, JLA
- नमूनाकरण योजना प्राथमिकता
Sampling Plan Reference :
- नमूना प्राप्ति की तिथि एवं समय
Date & Time of Sample Receipt : 29/04/2025 13:13 PM
- नमूना विश्लेषण अवधि
Sample Analysis Period : 29/04/2025 02/05/2025
- नमूना विवरण
Sample Details : Drinking Water
- परियोजना का नाम
Name of the Project : NGT Inspection in the matter of O.A. No. 116/2025
- रिपोर्ट स्थिति
Report Status : Final

SR. NO	Field Code	Sample Matrix	Date & Time of Sample Collection	Parameters	Result value	Unit
1	WS1	Fresh Water	29-04-2025 05:20	E.coli	BDL	MPN/100mL
2	WS1	Fresh Water	29-04-2025 05:20	Faecal Coliform	BDL	MPN/100mL
3	WS1	Fresh Water	29-04-2025 05:20	Total Coliform	BDL	MPN/100mL
4	WS2	Fresh Water	29-04-2025 06:22	E.coli	BDL	MPN/100mL
5	WS2	Fresh Water	29-04-2025 06:22	Faecal Coliform	BDL	MPN/100mL
6	WS2	Fresh Water	29-04-2025 06:22	Total Coliform	BDL	MPN/100mL
7	WS3	Fresh Water	29-04-2025 06:45	E.coli	BDL	MPN/100mL
8	WS3	Fresh Water	29-04-2025 06:45	Faecal Coliform	BDL	MPN/100mL
9	WS3	Fresh Water	29-04-2025 06:45	Total Coliform	BDL	MPN/100mL
10	WS4	Fresh Water	29-04-2025 07:15	E.coli	BDL	MPN/100mL
11	WS4	Fresh Water	29-04-2025 07:15	Faecal Coliform	BDL	MPN/100mL
12	WS4	Fresh Water	29-04-2025 07:15	Total Coliform	BDL	MPN/100mL
13	WS5	Fresh Water	29-04-2025 07:45	E.coli	BDL	MPN/100mL
14	WS5	Fresh Water	29-04-2025 07:45	Faecal Coliform	BDL	MPN/100mL
15	WS5	Fresh Water	29-04-2025 07:45	Total Coliform	BDL	MPN/100mL
16	WS6	Fresh Water	29-04-2025 08:15	E.coli	BDL	MPN/100mL
17	WS6	Fresh Water	29-04-2025 08:15	Faecal Coliform	BDL	MPN/100mL
18	WS6	Fresh Water	29-04-2025 08:15	Total Coliform	BDL	MPN/100mL
19	WS7	Fresh Water	29-04-2025 06:45	E.coli	7.8	MPN/100mL
20	WS7	Fresh Water	29-04-2025 06:45	Faecal Coliform	14	MPN/100mL
21	WS7	Fresh Water	29-04-2025 06:45	Total Coliform	170	MPN/100mL

Analyst

Dr. Aprna Sabharwal

Supervisor, Reviewer & Authorized signatory

Dr. Yashpal Yadav

DH Bioscience Laboratory

Dr. Yashpal Yadav



केंद्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
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Microbiological Analysis Report

22	WS8	Fresh Water	29-04-2025 07:15	E.coli	BDL	MPN/100mL
23	WS8	Fresh Water	29-04-2025 07:15	Faecal Coliform	BDL	MPN/100mL
24	WS8	Fresh Water	29-04-2025 07:15	Total Coliform	BDL	MPN/100mL
25	WS9	Fresh Water	29-04-2025 07:36	E.coli	BDL	MPN/100mL
26	WS9	Fresh Water	29-04-2025 07:36	Faecal Coliform	BDL	MPN/100mL
27	WS9	Fresh Water	29-04-2025 07:36	Total Coliform	BDL	MPN/100mL
28	WS10	Fresh Water	29-04-2025 08:30	E.coli	33	MPN/100mL
29	WS10	Fresh Water	29-04-2025 08:30	Faecal Coliform	130	MPN/100mL
30	WS10	Fresh Water	29-04-2025 08:30	Total Coliform	130	MPN/100mL
31	WS11	Fresh Water	29-04-2025 08:50	E.coli	94	MPN/100mL
32	WS11	Fresh Water	29-04-2025 08:50	Faecal Coliform	490	MPN/100mL
33	WS11	Fresh Water	29-04-2025 08:50	Total Coliform	11*10^2	MPN/100mL

*** END OF REPORT आख्या समाप्ति ***

Remarks (if any) :

Statement :

- परिणाम केवल परीक्षण किए गए नमूनों से संबंधित हैं।
The results relate only to the samples tested
- पूरी रिपोर्ट को छोड़कर दोबारा प्रस्तुत नहीं किया जाएगा। सीपीसीबी के सक्षम प्राधिकारी की लिखित मंजूरी के बिना।
The report shall not be reproduced except in full, without the written approval of the Competent authority of CPCB.
- इस परीक्षण रिपोर्ट के जारी होने की तारीख से एक सप्ताह तक नमूना रखा जाएगा।
The sample will be retained for one week from the date of issue of this test report.
- डिटेक्शन लिमिट से नीचे (बीडीएल) <1.8 एमपीएन/100 एमएल इंगित करता है।
Below Detection Limit (BDL) indicates <1.8 MPN/100 mL

Parameter Name	Test Method	Unit	Limit of Detection	Uncertainty of Measurement
E.coli	APHA, 24th Ed., 9221-G	MPN/100mL	1.8	10-70 MPN/100mL @ 31MPN/100mL
Faecal Coliform	APHA, 24th Ed., 9221-E	MPN/100mL	1.8	68-700 MPN/100mL @ 230MPN/100mL
Total Coliform	APHA, 24th Ed., 9221-A,B,C	MPN/100mL	1.8	140-1000 MPN/100mL @ 380MPN/100mL

Analyst

Dr. Aprna Sabharwal

Supervisor, Reviewer & Authorized signatory

Dr. Yashpal Yadav

DH Bioscience Laboratory

Dr. Yashpal Yadav



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
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जैव-विज्ञान प्रयोगशाला BIO-SCIENCE LABORATORY
Microbiological Analysis Report

- रिपोर्ट संख्या और जारी करने की तारीख
Report No. & Date of Issue : BIO/2526/MB/00013,21/05/2025
- रिपोर्ट भेज दी गई है
(मांगकर्ता का नाम, मोबाइल नंबर और पता)
Report Sent To : DH of WQM-I
(Name, Mobile no. & Address of Indentor)
- नमूने पंजीकरण संख्या और दिनांक
Samples Registration No. & Date : BIO/MB/2526/SR00026,15/05/2025
- विश्लेषण अनुरोध प्रभाग/संगठन
Analysis Request Division/Organization : WQM-I
- एकत्रित किया गया नमूना
Sample Collected by : Alpana Narula, Gautam Sondhi Scientist 'B' Ritik Bhagat Scientist 'B' Dr Jyoti Singh RA-III
- नमूनाकरण योजना प्राथमिकता
Sampling Plan Reference :
- नमूना प्राप्ति की तिथि एवं समय
Date & Time of Sample Receipt : 15/05/2025 12:25 PM
- नमूना विश्लेषण अवधि
Sample Analysis Period : 15/05/2025 18/05/2025
- नमूना विवरण
Sample Details : Drinking Water
- परियोजना का नाम
Name of the Project : NGT Inspection in OA No. 116/2025
- रिपोर्ट स्थिति
Report Status : Final

SR. NO	Field Code	Sample Matrix	Date & Time of Sample Collection	Parameters	Result value	Unit
1	JW-1	Fresh Water	15-05-2025 05:40	E.coli	11	MPN/100mL
2	JW-1	Fresh Water	15-05-2025 05:40	Faecal Coliform	33	MPN/100mL
3	JW-1	Fresh Water	15-05-2025 05:40	Total Coliform	49	MPN/100mL
4	JW-2	Fresh Water	15-05-2025 05:55	E.coli	BDL	MPN/100mL
5	JW-2	Fresh Water	15-05-2025 05:55	Faecal Coliform	BDL	MPN/100mL
6	JW-2	Fresh Water	15-05-2025 05:55	Total Coliform	BDL	MPN/100mL
7	JW-3	Fresh Water	15-05-2025 06:05	E.coli	4.5	MPN/100mL
8	JW-3	Fresh Water	15-05-2025 06:05	Faecal Coliform	4.5	MPN/100mL
9	JW-3	Fresh Water	15-05-2025 06:05	Total Coliform	7.8	MPN/100mL
10	JW-4	Fresh Water	15-05-2025 06:13	E.coli	BDL	MPN/100mL
11	JW-4	Fresh Water	15-05-2025 06:13	Faecal Coliform	BDL	MPN/100mL
12	JW-4	Fresh Water	15-05-2025 06:13	Total Coliform	BDL	MPN/100mL
13	JW-5	Fresh Water	15-05-2025 06:35	E.coli	22	MPN/100mL
14	JW-5	Fresh Water	15-05-2025 06:35	Faecal Coliform	22	MPN/100mL
15	JW-5	Fresh Water	15-05-2025 06:35	Total Coliform	130	MPN/100mL
16	JW-6	Fresh Water	15-05-2025 06:42	E.coli	BDL	MPN/100mL
17	JW-6	Fresh Water	15-05-2025 06:42	Faecal Coliform	BDL	MPN/100mL
18	JW-6	Fresh Water	15-05-2025 06:42	Total Coliform	BDL	MPN/100mL
19	JW-7	Fresh Water	15-05-2025 06:55	E.coli	BDL	MPN/100mL
20	JW-7	Fresh Water	15-05-2025 06:55	Faecal Coliform	BDL	MPN/100mL
21	JW-7	Fresh Water	15-05-2025 06:55	Total Coliform	BDL	MPN/100mL

Analyst

Dr. Annu Goel

Supervisor, Reviewer & Authorized signatory

Dr. Yashpal Yadav

DH Bioscience Laboratory

Dr. Yashpal Yadav

22	JW-8	Fresh Water	15-05-2025 07:10	E.coli	BDL	MPN/100mL
23	JW-8	Fresh Water	15-05-2025 07:10	Faecal Coliform	BDL	MPN/100mL
24	JW-8	Fresh Water	15-05-2025 07:10	Total Coliform	BDL	MPN/100mL
25	JW-9	Fresh Water	15-05-2025 07:25	E.coli	BDL	MPN/100mL
26	JW-9	Fresh Water	15-05-2025 07:25	Faecal Coliform	BDL	MPN/100mL
27	JW-9	Fresh Water	15-05-2025 07:25	Total Coliform	BDL	MPN/100mL
28	JW-10	Fresh Water	15-05-2025 07:50	E.coli	BDL	MPN/100mL
29	JW-10	Fresh Water	15-05-2025 07:50	Faecal Coliform	BDL	MPN/100mL
30	JW-10	Fresh Water	15-05-2025 07:50	Total Coliform	BDL	MPN/100mL
31	JW-11	Fresh Water	15-05-2025 08:55	E.coli	BDL	MPN/100mL
32	JW-11	Fresh Water	15-05-2025 08:55	Faecal Coliform	BDL	MPN/100mL
33	JW-11	Fresh Water	15-05-2025 08:55	Total Coliform	BDL	MPN/100mL

*** END OF REPORT आख्या समाप्ति ***

Remarks (if any) :

Statement :

- परिणाम केवल परीक्षण किए गए नमूनों से संबंधित हैं।
The results relate only to the samples tested
- पूरी रिपोर्ट को छोड़कर दोबारा प्रस्तुत नहीं किया जाएगा। सीपीसीबी के सक्षम प्राधिकारी की लिखित मंजूरी के बिना।
The report shall not be reproduced except in full, without the written approval of the Competent authority of CPCB.
- इस परीक्षण रिपोर्ट के जारी होने की तारीख से एक सप्ताह तक नमूना रखा जाएगा।
The sample will be retained for one week from the date of issue of this test report.
- डिटेक्शन लिमिट से नीचे (बीडीएल) <1.8 एमपीएन/100 एमएल इंगित करता है।
Below Detection Limit (BDL) indicates <1.8 MPN/100 mL

Parameter Name	Test Method	Unit	Limit of Detection	Uncertainty of Measurement
E.coli	APHA, 24th Ed., 9221-G	MPN/100mL	1.8	10-70 MPN/100mL @ 31MPN/100mL
Faecal Coliform	APHA, 24th Ed., 9221-E	MPN/100mL	1.8	68-700 MPN/100mL @ 230MPN/100mL
Total Coliform	APHA, 24th Ed., 9221-A,B,C	MPN/100mL	1.8	140-1000 MPN/100mL @ 380MPN/100mL

Analyst

Dr. Annu Goel

Supervisor, Reviewer & Authorized signatory

Dr. Yashpal Yadav

DH Bioscience Laboratory

Dr. Yashpal Yadav



CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड

HEAD OFFICE - DELHI

Parivesh Bhavan, East Arjun Nagar, Delhi - 110032



204

Water Laboratory (ANALYSIS REPORT) जल प्रयोगशाला (विश्लेषण आख्या)

Fresh Water Samples for Physico-Chemical Analysis Report भौतिक-रासायनिक विश्लेषण रिपोर्ट के लिए नमूने

ULR No: TC77232550000013F

TC-7723

Samples Registration No. & Date नमूने की पंजीकरण सं. एवं तिथि	: WATER/FW/2526/SR00017, 29/04/2025	Report No. & Date of Issue आख्या सं एवं जारी करने की तिथि	: WATER/2526/FW/00013,13/05/2025
Analysis Request Division/Organization विश्लेषण अनुरोध प्रभाग/संगठन	: WQM-I	Report sent to (Name & Address of Indentor) आख्या किसे जारी की गयी (नाम एवं प्रभाग)	: WQM-I
Sample Details नमूना विवरण	: Fresh Water	Sample Matrix नमूना मैट्रिक्स	: Fresh Water
Sample Collected by नमूने एकत्रित करने वाले का नाम	: Alpana Narula, Sh. Gautam Sondhi, Scientist 'B' & Sh. Ritik Bhagat, Scientist 'B'	Date & Time of Sample Receipt नमूने प्राप्ति की तिथि एवं समय	: 29/04/2025 13:22 PM
Sampling Plan Preference नमूनाकरण योजना प्राथमिकता	:	Sample Analysis Period नमूने के विश्लेषण की अवधि	: 29/04/2025 to 07/05/2025
Report Status रिपोर्ट स्थिति	: Final		

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	pH	TDS	Cond.	Cl-	TA	Mg2+	TH	PO4-P
1	29/04/2025	WS1	7.41	218	340	34	75	7	115	BDL
2	29/04/2025	WS2	7.37	214	353	33	82	5	122	BDL
3	29/04/2025	WS3	7.48	198	340	31	82	9	119	BDL
4	29/04/2025	WS4	7.46	198	341	34	83	4	120	BDL
5	29/04/2025	WS5	7.46	180	337	35	79	12	134	0.051
6	29/04/2025	WS6	7.45	214	350	35	77	9	125	0.06
7	29/04/2025	WS7	7.3	206	345	37	78	11	141	0.065
8	29/04/2025	WS8	7.55	210	355	44	77	15	151	0.079
9	29/04/2025	WS9	7.57	192	342	36	83	9	133	0.136
10	29/04/2025	WS10	7.47	182	358	38	80	11	139	0.178

Analyst

Pravin Kumar Gupta , Atul Sharma , Inder Mohan

Supervisor & Reviewer

B. Sasi Devi

Approved By (Lab InCharge)

Dr. K. Ranganathan

Doc: CB/CL/QR/7.4/FWL-1	Issue No.:3	Revision No :3	Issue Date:19/02/2014	Revision Date: 18/09/2020	Page No. : 1/4
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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड
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Parivesh Bhavan, East Arjun Nagar, Delhi - 110032



206

Water Laboratory (ANALYSIS REPORT) जल प्रयोगशाला (विश्लेषण आख्या)

Fresh Water Samples for Physico-Chemical Analysis Report भौतिक-रासायनिक विश्लेषण रिपोर्ट के लिए नमूने

ULR No: TC77232550000013F

TC-7723

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	Ca ²⁺	NO ₂ -N	NO ₃ -N	NH ₃ -N	F ⁻	Na ⁺	K ⁺
15	29/04/2025	WS 4	-	-	-	BDL	-	-	-
16	29/04/2025	WS 5	-	-	-	BDL	-	-	-
17	29/04/2025	WS 6	-	-	-	BDL	-	-	-
18	29/04/2025	WS 7	-	-	-	BDL	-	-	-
19	29/04/2025	WS 8	-	-	-	BDL	-	-	-
20	29/04/2025	WS 9	-	-	-	BDL	-	-	-
21	29/04/2025	WS 10	-	-	-	BDL	-	-	-
22	29/04/2025	WS 11	-	-	-	BDL	-	-	-

BDL : Below Deduction Limit कटौती सीमा से नीचे

Remarks (if any) : Turbidity meter is not working , ,

Note: All the concentrations are expressed in mg/l except pH and Conductivity ($\mu\text{mho/cm}$). नोट : पीएच तथा चालकता ($\mu\text{mho/cm}$) के अतिरिक्त सभी सांद्रता मिग्रा/ली. में व्यक्त की गई हैं।

Statement कथन :

- The results relate only to the samples tested. परिणाम केवल जांचे गए नमूनों से संबंधित है।
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- BDL & Test methods are mentioned on back side of this report. बी डी एल एवं परीक्षण विधि आख्या के अंत में दिए गए हैं।
- Samples will be retained only for one Week after receipt of Report. संबंधित आख्या जारी होने के बाद नमूने केवल प्राप्ति के एक सप्ताह बाद तक ही सुरक्षित रखे जाएंगे।

* END OF REPORT आख्या समाप्ति *

Analyst

Pravin Kumar Gupta , Atul Sharma , Inder Mohan

Supervisor & Reviewer

B. Sasi Devi

Approved By (Lab InCharge)

Dr. K. Ranganathan

Doc: CB/CL/QR/7.4/FWL-1

Issue No.:3

Revision No :3

Issue Date:19/02/2014

Revision Date: 18/09/2020

Page No. : 3/4

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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड

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208

Water Laboratory (ANALYSIS REPORT) जल प्रयोगशाला (विश्लेषण आख्या)

Fresh Water Samples for Physico-Chemical Analysis Report भौतिक-रासायनिक विश्लेषण रिपोर्ट के लिए नमूने

Samples Registration No. & Date नमूने की पंजीकरण सं. एवं तिथि	: WATER/FW/2526/SR00017, 29/04/2025	Report No. & Date of Issue आख्या सं एवं जारी करने की तिथि	: WATER/2526/FW/00013,13/05/2025
Analysis Request Division/Organization विश्लेषण अनुरोध प्रभाग/संगठन	: WQM-I	Report sent to (Name & Address of Indentor) आख्या किसे जारी की गयी (नाम एवं प्रभाग)	: WQM-I
Sample Details नमूना विवरण	: Fresh Water	Sample Matrix नमूना मैट्रिक्स	: Fresh Water
Sample Collected by नमूने एकत्रित करने वाले का नाम	: Alpana Narula, Sh. Gautam Sondhi, Scientist 'B' & Sh. Ritik Bhagat, Scientist 'B'	Date & Time of Sample Receipt नमूने प्राप्ति की तिथि एवं समय	: 29/04/2025 13:22 PM
Sampling Plan Preference नमूनाकरण योजना प्राथमिकता	:	Sample Analysis Period नमूने के विश्लेषण की अवधि	: 29/04/2025 to 07/05/2025
Report Status रिपोर्ट स्थिति	: Final		

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	SO ²	Color	Turbidity
1	29/04/2025	WS1	55	8	NA
2	29/04/2025	WS2	60	BDL	NA
3	29/04/2025	WS3	62	BDL	NA
4	29/04/2025	WS4	62	BDL	NA
5	29/04/2025	WS5	59	BDL	NA
6	29/04/2025	WS6	63	BDL	NA
7	29/04/2025	WS7	62	BDL	NA
8	29/04/2025	WS8	61	BDL	NA

Analyst

Pravin Kumar Gupta , Atul Sharma , Inder Mohan

Supervisor & Reviewer

B. Sasi Devi

Approved By (Lab InCharge)

Dr. K. Ranganathan

Doc: CB/CL/QR/7.4/FWL-1	Issue No.:3	Revision No :3	Issue Date:19/02/2014	Revision Date: 18/09/2020	Page No. : 1/2
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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड
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Water Laboratory (ANALYSIS REPORT) जल प्रयोगशाला (विश्लेषण आख्या)

Fresh Water Samples for Physico-Chemical Analysis Report भौतिक-रासायनिक विश्लेषण रिपोर्ट के लिए नमूने

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	SO ₄ ²⁻	Color	Turbidity
9	29/04/2025	WS9	60	BDL	NA
10	29/04/2025	WS10	64	BDL	NA
11	29/04/2025	WS11	60	BDL	NA

BDL : Below Deduction Limit कटौती सीमा से नीचे

Remarks (if any) : Turbidity meter is not working , ,

Note: All the concentrations are expressed in mg/l except pH and Conductivity ($\mu\text{mho/cm}$). नोट : पीएच तथा चालकता ($\mu\text{mho/cm}$) के अतिरिक्त सभी सांद्रता मिग्रा/ली. में व्यक्त की गई हैं।

Statement कथन :

- The results relate only to the samples tested. परिणाम केवल जांचे गए नमूनों से संबंधित है।
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- BDL & Test methods are mentioned on back side of this report. बी डी एल एवं परीक्षण विधि आख्या के अंत में दिए गए हैं।
- Samples will be retained only for one Week after receipt of Report. संबंधित आख्या जारी होने के बाद नमूने केवल प्राप्ति के एक सप्ताह बाद तक ही सुरक्षित रखे जाएंगे।

* END OF REPORT आख्या समाप्ति *

Parameter Name	Test Method	Unit	Limit of Detection	Uncertainty of Measurement
SO ₄ ²⁻			0	
Color	APHA 2120 C Spectrophotometric Method, 23rd Ed.: 2017	Hazen	5	
Turbidity	2130 B Nephelometric Method, 23rd Ed.: 2017	NTU	1	

Analyst

Pravin Kumar Gupta , Atul Sharma , Inder Mohan

Supervisor & Reviewer

B. Sasi Devi

Approved By (Lab InCharge)

Dr. K. Ranganathan

Doc: CB/CL/QR/7.4/FWL-1	Issue No.:3	Revision No :3	Issue Date:19/02/2014	Revision Date: 18/09/2020	Page No. : 2/2
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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड
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Parivesh Bhavan, East Arjun Nagar, Delhi - 110032



210

Water Laboratory (ANALYSIS REPORT) जल प्रयोगशाला (विश्लेषण आख्या)

Fresh Water Samples for Physico-Chemical Analysis Report भौतिक-रासायनिक विश्लेषण रिपोर्ट के लिए नमूने

TC-7723

ULR No: TC772325500000043F

Samples Registration No. & Date नमूने की पंजीकरण सं. एवं तिथि	: WATER/FW/2526/SR00025, 15/05/2025	Report No. & Date of Issue आख्या सं एवं जारी करने की तिथि	: WATER/2526/FW/00043,28/05/2025
Analysis Request Division/Organization विश्लेषण अनुरोध प्रभाग/संगठन	: WQM-I	Report sent to (Name & Address of Indentor) आख्या किसे जारी की गयी (नाम एवं प्रभाग)	: WQM-I
Sample Details नमूना विवरण	: Drinking Water	Sample Matrix नमूना मैट्रिक्स	: Fresh Water
Sample Collected by नमूने एकत्रित करने वाले का नाम	: Alpana Narula,Gautam Sondhi Scientist 'B' Ritik Bhagat Scientist 'B' Jagdeep Kumar	Date & Time of Sample Receipt नमूने प्राप्ति की तिथि एवं समय	: 15/05/2025 12:41 PM
Sampling Plan Preference नमूनाकरण योजना प्राथमिकता	:	Sample Analysis Period नमूने के विश्लेषण की अवधि	: 13/05/2025 to 22/05/2025
Report Status रिपोर्ट स्थिति	: Final		

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	pH	TDS	Cond.	Cl-	TA	Mg2+	TH	PO4-P
1	15/05/2025	JW-1	7.31	222	324	25	95	10	141	0.053
2	15/05/2025	JW-2	7.33	214	328	18	89	13	150	0.142
3	15/05/2025	JW-3	7.28	204	314	23	91	7	139	0.187
4	15/05/2025	JW-4	7.35	196	310	21	88	36	251	0.176
5	15/05/2025	JW-5	7.42	1738	3240	550	291	58	604	0.165
6	15/05/2025	JW-6	7.4	204	307	24	83	4	138	0.152
7	15/05/2025	JW-7	7.35	208	306	17	90	4	125	0.187
8	15/05/2025	JW-8	7.41	212	310	19	89	17	167	0.115
9	15/05/2025	JW-9	7.42	214	309	18	87	4	142	0.115
10	15/05/2025	JW-10	7.35	192	306	17	91	4	140	0.066

Analyst

Supervisor & Reviewer

Approved By (Lab InCharge)

Pravin Kumar Gupta , Atul Sharma , Inder Mohan , Aayush Rana

B. Sasi Devi

Dr. K. Ranganathan

Doc: CB/CL/QR/7.4/FWL-1	Issue No.:3	Revision No :3	Issue Date:19/02/2014	Revision Date: 18/09/2020	Page No. : 1/4
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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड
HEAD OFFICE - DELHI
Parivesh Bhavan, East Arjun Nagar, Delhi - 110032



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Water Laboratory (ANALYSIS REPORT) जल प्रयोगशाला (विश्लेषण आख्या)

Fresh Water Samples for Physico-Chemical Analysis Report भौतिक-रासायनिक विश्लेषण रिपोर्ट के लिए नमूने

ULR No: TC77232550000043F

TC-7723

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	Ca ²⁺	NO ₂ -N	NO ₃ -N	NH ₃ -N	F ⁻	Na ⁺	K ⁺
15	15/05/2025	JW -4	-	-	-	BDL	-	-	-
16	15/05/2025	JW -5	-	-	-	BDL	-	-	-
17	15/05/2025	JW -6	-	-	-	0.31	-	-	-
18	15/05/2025	JW -7	-	-	-	BDL	-	-	-
19	15/05/2025	JW -8	-	-	-	0.34	-	-	-
20	15/05/2025	JW -9	-	-	-	0.33	-	-	-
21	15/05/2025	JW -10	-	-	-	0.32	-	-	-
22	15/05/2025	JW -11	-	-	-	0.36	-	-	-

BDL : Below Deduction Limit कटौती सीमा से नीचे

Remarks (if any) : *Turbidity meter is not working. , , ,

Note: All the concentrations are expressed in mg/l except pH and Conductivity ($\mu\text{mho/cm}$). नोट : पीएच तथा चालकता ($\mu\text{mho/cm}$) के अतिरिक्त सभी सांद्रता मिग्रा/ली. में व्यक्त की गई हैं।

Statement कथन :

1. The results relate only to the samples tested. परिणाम केवल जांचे गए नमूनों से संबंधित है।
2. The report shall not be reproduced except in full without written approval of the laboratory पूर्ण रिपोर्ट के अतिरिक्त प्रयोगशाला के लिखित अनुमोदन के बिना आख्या की आंशिक प्रतिकृति नहीं की जायेगी।
3. BDL & Test methods are mentioned on back side of this report. बी डी एल एवं परीक्षण विधि आख्या के अंत में दिए गए हैं।
4. Samples will be retained only for one Week after receipt of Report. संबंधित आख्या जारी होने के बाद नमूने केवल प्राप्ति के एक सप्ताह बाद तक ही सुरक्षित रखे जाएंगे।

* END OF REPORT आख्या समाप्ति *

Analyst

Pravin Kumar Gupta , Atul Sharma , Inder Mohan , Aayush Rana

Supervisor & Reviewer

B. Sasi Devi

Approved By (Lab InCharge)

Dr. K. Ranganathan

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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड
HEAD OFFICE - DELHI
Parivesh Bhavan, East Arjun Nagar, Delhi - 110032



Water Laboratory (ANALYSIS REPORT) जल प्रयोगशाला (विश्लेषण आख्या)
Fresh Water Samples for Physico-Chemical Analysis Report भौतिक-रासायनिक विश्लेषण रिपोर्ट के लिए नमूने
ULR No: TC77232550000043F

TC-7723

Parameter Name	Test Method	Unit	Limit of Detection	Uncertainty of Measurement
pH	APHA 4500 H+ - B, 23rd Ed.: 2017		2	
TDS	APHA 2540 C, 23rd Ed.: 2017	mg/l	5	
Cond.	APHA 2510 - B, 23rd Ed.: 2017	µS/cm	1	
Cl-	APHA 4500 - Cl B, 23rd Ed.: 2017	mg/l	2	
TA	2320 B Titration Method, 23rd Ed.: 2017	mg/l	5	
Mg2+	APHA 3500 - Mg B, 23rd Ed.: 2017	mg/l	2	
TH	APHA 2340 C, 23rd Ed.: 2017	mg/L	5	
PO4-P	APHA 4500 - PD, 23rd Ed.: 2017	mg/l	0.05	
Ca2+	2340 EDTA Titrimetric method, 23rd Ed.: 2017	mg/l	2	
NO2-N	APHA 4500 - NO2, B 23rd Ed., 2017	mg/l	0.01	
NO3- N	APHA 4500 - NO3 B, 23rd Ed.: 2017	mg/l	0.25	
NH3-N	IS: 3025 (Part - 34): 1988	mg/l	0.3	
F-	APHA 4500 - F D, 23rd Ed.: 2017	mg/l	0.2	
Na+	APHA 3500 Na - B, 23rd Ed., 2017	mg/l	1	
K+	APHA 3500 K - B, 23rd Ed., 2018	mg/l	1	

Analyst

Supervisor & Reviewer

Approved By (Lab InCharge)

Pravin Kumar Gupta , Atul Sharma , Inder Mohan , Aayush Rana

B. Sasi Devi

Dr. K. Ranganathan

Doc: CB/CL/QR/7.4/FWL-1	Issue No.:3	Revision No :3	Issue Date:19/02/2014	Revision Date: 18/09/2020	Page No. : 4/4
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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड
HEAD OFFICE - DELHI
Parivesh Bhavan, East Arjun Nagar, Delhi - 110032

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Water Laboratory (ANALYSIS REPORT) जल प्रयोगशाला (विश्लेषण आख्या)

Fresh Water Samples for Physico-Chemical Analysis Report भौतिक-रासायनिक विश्लेषण रिपोर्ट के लिए नमूने

Samples Registration No. & Date नमूने की पंजीकरण सं. एवं तिथि	: WATER/FW/2526/SR00025, 15/05/2025	Report No. & Date of Issue आख्या सं एवं जारी करने की तिथि	: WATER/2526/FW/00043,28/05/2025
Analysis Request Division/Organization विश्लेषण अनुरोध प्रभाग/संगठन	: WQM-I	Report sent to (Name & Address of Indentor) आख्या किसे जारी की गयी (नाम एवं प्रभाग)	: WQM-I
Sample Details नमूना विवरण	: Drinking Water	Sample Matrix नमूना मैट्रिक्स	: Fresh Water
Sample Collected by नमूने एकत्रित करने वाले का नाम	: Alpana Narula,Gautam Sondhi Scientist 'B' Ritik Bhagat Scientist 'B' Jagdeep Kumar	Date & Time of Sample Receipt नमूने प्राप्ति की तिथि एवं समय	: 15/05/2025 12:41 PM
Sampling Plan Preference नमूनाकरण योजना प्राथमिकता	:	Sample Analysis Period नमूने के विश्लेषण की अवधि	: 13/05/2025 to 22/05/2025
Report Status रिपोर्ट स्थिति	: Final		

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	SO ²	Color	Turbidity
1	15/05/2025	JW-1	44	BDL	*
2	15/05/2025	JW-2	38	BDL	*
3	15/05/2025	JW-3	38	BDL	*
4	15/05/2025	JW-4	37	BDL	*
5	15/05/2025	JW-5	180	BDL	*
6	15/05/2025	JW-6	44	BDL	*
7	15/05/2025	JW-7	37	BDL	*
8	15/05/2025	JW-8	38	BDL	*

Analyst

Supervisor & Reviewer

Approved By (Lab InCharge)

Pravin Kumar Gupta , Atul Sharma , Inder Mohan , Aayush Rana

B. Sasi Devi

Dr. K. Ranganathan

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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड

HEAD OFFICE - DELHI

Parivesh Bhavan, East Arjun Nagar, Delhi - 110032

INSTRUMENTATION LABORATORY (Analysis Report) उपकरणिय प्रयोगशाला (विश्लेषण आख्या)

Heavy Metals(Excluding Mercury)

ULR No: TC772325300000046F



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TC-7723

Report No. & Date of Issue आख्या सं एवं जारी करने की तिथि	: INSTR/2526/HM/00046,28/05/2025	Report sent to (Name,Mobile no. & Address of Indentor) आख्या किसे जारी की गयी (नाम एवं प्रभाग)	: DH of WQM-I
Sample Collected by नमूने एकत्रित करने वाले का नाम	: Alpna Narula,Gautam sondhi Scientist 'B' Ritik Bhagat Scientist 'B' Jagdeep Kumar	Date & Time of Sample Receipt नमूने प्राप्ति की तिथि एवं समय	: 15/05/2025
Samples Registration No. & Date नमूने की पंजीकरण सं. एवं तिथि	: INSTR/HM/2526/SR00034, 15/05/2025	Analysis Request Division/Organization विश्लेषण अनुरोध प्रभाग/संगठन	: WQM-I
Sampling Plan Preference नमूनाकरण योजना प्राथमिकता	:	Sample Analysis Period नमूने के विश्लेषण की अवधि	: 23/05/2025 to 23/05/2025
Report Status रिपोर्ट स्थिति	: Final	Sample Details नमूना विवरण	: Drinking Water

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	Sample Matrix नमूना मैट्रिक्स	Arsenic	Cadmium	Chromium	Cobalt (Co)	Copper	Iron	Lead	Manganese	Nickel	Zinc
1	15/05/2025	JW-1	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.211	BDL	0.01	BDL	0.072
2	15/05/2025	JW-2	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.425	BDL	0.014	BDL	BDL
3	15/05/2025	JW-3	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.503	BDL	0.017	BDL	0.125
4	15/05/2025	JW-4	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.663	BDL	0.016	BDL	BDL
5	15/05/2025	JW-5	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.057	BDL	BDL	BDL	0.062
6	15/05/2025	JW-6	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.165	BDL	0.011	BDL	0.082
7	15/05/2025	JW-7	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.316	BDL	0.012	BDL	0.171
8	15/05/2025	JW-8	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.401	BDL	0.014	BDL	0.267
9	15/05/2025	JW-9	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.083	BDL	BDL	BDL	BDL
10	15/05/2025	JW-10	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.145	BDL	BDL	BDL	0.023
11	15/05/2025	JW-11	Fresh Water	BDL	BDL	BDL	BDL	0.911	0.221	BDL	0.01	BDL	BDL

Analyst

Dr. Nirmal Kumar Sharma

Supervisor & Reviewer

B. K. Jena

Approved By (DH Inst-Lab)

Dr. K. Ranganathan

Doc: CB/CL/QR/7.8/IL-5	Issue No.:05	Revision No :05	Issue Date:08/12/2020	Revision Date: 08/12/2020	Page No. : 1/2
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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड

HEAD OFFICE - DELHI

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INSTRUMENTATION LABORATORY (Analysis Report) उपकरणिय प्रयोगशाला (विश्लेषण आख्या)

Heavy Metals(Excluding Mercury)

ULR No: TC772325300000024F



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TC-7723

Report No. & Date of Issue आख्या सं एवं जारी करने की तिथि	: INSTR/2526/HM/00024,05/05/2025	Report sent to (Name,Mobile no. & Address of Indentor) आख्या किसे जारी की गयी (नाम एवं प्रभाग)	: DH of WQM-I
Sample Collected by नमूने एकत्रित करने वाले का नाम	: Alpana Narula,Sh. Gautam Sondhi, Scientist 'B' & Sh. Ritik Bhagat, Scientist 'B'	Date & Time of Sample Receipt नमूने प्राप्ति की तिथि एवं समय	: 30/04/2025
Samples Registration No. & Date नमूने की पंजीकरण सं. एवं तिथि	: INSTR/HM/2526/SR00015, 29/04/2025	Analysis Request Division/Organization विश्लेषण अनुरोध प्रभाग/संगठन	: WQM-I
Sampling Plan Preference नमूनाकरण योजना प्राथमिकता	:	Sample Analysis Period नमूने के विश्लेषण की अवधि	: 02/05/2025 to 02/05/2025
Report Status रिपोर्ट स्थिति	: Final	Sample Details नमूना विवरण	: Drinking Water

Sr.No	Date of Sample Collection नमूना संग्रहण की तिथि	Field Code नमूना स्थल	Sample Matrix नमूना मैट्रिक्स	Arsenic	Cadmium	Chromium	Cobalt (Co)	Copper	Iron	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc
1	29/04/2025	WS1	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.057	BDL	BDL	BDL	BDL	BDL	0.013
2	29/04/2025	WS2	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.898	BDL	0.019	BDL	BDL	BDL	0.024
3	29/04/2025	WS3	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.331	BDL	BDL	BDL	BDL	BDL	0.015
4	29/04/2025	WS4	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.203	BDL	BDL	BDL	BDL	BDL	0.024
5	29/04/2025	WS5	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.061	BDL	BDL	BDL	BDL	BDL	BDL
6	29/04/2025	WS6	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.287	BDL	BDL	BDL	BDL	BDL	0.016
7	29/04/2025	WS7	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.356	BDL	0.011	BDL	BDL	BDL	0.021
8	29/04/2025	WS8	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.211	BDL	BDL	BDL	BDL	BDL	0.101
9	29/04/2025	WS9	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.198	BDL	BDL	BDL	BDL	BDL	0.041
10	29/04/2025	WS10	Fresh Water	BDL	BDL	BDL	BDL	BDL	0.099	BDL	BDL	BDL	BDL	BDL	0.016
11	29/04/2025	WS11	Fresh Water	BDL	BDL	BDL	BDL	0.016	3.945	BDL	0.076	0.02	BDL	BDL	0.077

Analyst
Dr. Nirmal Kumar Sharma

Supervisor & Reviewer
B. K. Jena

Approved By (DH Inst-Lab)
Dr. K. Ranganathan

Doc: CB/CL/QR/7.8/IL-5	Issue No.:05	Revision No :05	Issue Date:08/12/2020	Revision Date: 08/12/2020	Page No. : 1/2
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CENTRAL POLLUTION CONTROL BOARD केंद्रीय प्रदूषण नियंत्रण बोर्ड

HEAD OFFICE - DELHI

Parivesh Bhavan, East Arjun Nagar, Delhi - 110032

INSTRUMENTATION LABORATORY (Analysis Report) उपकरणिय प्रयोगशाला (विश्लेषण आख्या)

Heavy Metals(Excluding Mercury)

ULR No: TC772325300000024F



TC-7723

* END OF REPORT आख्या समाप्ति *

BDL : Below Deduction Limit न्यूनतम विश्लेषण की सीमा

Remarks (if any) : The calculated result sheet is attached here for reference.

Statement :

1. The results relate only to the samples tested
2. The report shall not be reproduced except in full. without the written approval of the laboratory.
3. The parameter is under the scope of NABL accreditation, ISO-17025:2017 (Certificate No.TC-7723).
4. The sample will be retained for 30 days from the date of issue of test report.

Parameter Name	Test Method	Unit	Limit of Detection	Uncertainty of Measurement
Arsenic	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00049	
Cadmium	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00042	
Chromium	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00056	
Cobalt (Co)	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00035	
Copper	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00035	
Iron	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00067	
Lead	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00031	
Manganese	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00043	
Nickel	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00054	
Selenium	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00113	
Vanadium	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00052	
Zinc	APHA, ICP-MS, 3125-B, 24th Edition, 2023	mg/L	0.00059	

Analyst

Dr. Nirmal Kumar Sharma

Supervisor & Reviewer

B. K. Jena

Approved By (DH Inst-Lab)

Dr. K. Ranganathan

Doc: CB/CL/QR/7.8/IL-5	Issue No.:05	Revision No :05	Issue Date:08/12/2020	Revision Date: 08/12/2020	Page No. : 2/2
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