

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, NEW DELHI**

Original Application No. 116/2025

**In the matter of:**

**RESIDENT WELFARE**

...Applicant

**ASSOCIATION A-1 BLOCK**

**JANAKPURI**

Versus

**DELHI JAL BOARD & ORS**

...Respondent(s)

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2.	<b>Table No.1:</b> Analytical Results of the bacteriological parameters & free residual chlorine	



**Filed by: Adv. Rajkumar**

**On behalf of Central Pollution Control Board**

**Place: Delhi**

**Date: 15.07.2025**

**REPORT BY CPCB IN COMPLIANCE TO HON'BLE NGT ORDER DATED 30.05.2025 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** and **14.05.2025** in Original Application No. 116 of 2025 directed CPCB to collect tap water samples from the individual houses of the affected areas in A-1 Block Janakpuri marked by the applicant in page no.52 of the original application. CPCB submitted its report dated **29.05.2025** enclosing the analytical results of the samples of tap water collected on **29.04.2025** and **15.05.2025**, showing the presence of Total Coliform and *E.Coli* in 06 samples.

Hon'ble NGT vide its order dated **30.05.2025** further directed CPCB to collect fresh samples of the area where they have failed on **30.06.2025** (i.e of the 06 houses where Total Coliform and *E. Coli* have been detected in the analytical results of the previously collected samples on 29.04.2025 and 15.05.2025). Addresses of such 06 houses are as below:

- (i) A-1/65, Ground Floor
- (ii) A-1/63, Ground Floor
- (iii) A-1/148, 2<sup>nd</sup> floor
- (iv) A-1/130, 2<sup>nd</sup> floor, Janakpuri
- (v) A-1/57, 2<sup>nd</sup> floor

(vi) A-1/141,2<sup>nd</sup> floor

## **2.0 COMPLIANCE TO THE HON'BLE NGT ORDER DATED 30.05.2025**

### **2.1 Sample Collection**

In compliance of the order dated **30.05.2025**, CPCB collected samples of water supply by DJB from 05 houses (out of the aforesaid 06 houses) on 30.06.2025 as sample could not be taken from 01 with address, A-1/130, 2<sup>nd</sup> floor, Janakpuri, since the owner did not open door for sample collection till time of water supply, and **01** additional sample collected from other house at the ground floor at address, A-1/57 Janakpuri.

### **2.2 Analytical Results**

The collected samples have been analysed for General Parameters (pH, colour, residual chlorine, TDS, turbidity, total alkalinity, total hardness, chlorides, calcium, fluoride, nitrate) and Bacteriological parameters [Total Coliform (TC), Fecal Coliform (FC) and *E. Coli*].

The analytical results of the bacteriological parameters for the 06 samples of tap water supplied by DJB from the **06** houses in A-1 Block Janakpuri are presented in **Table 1**. The analytical results of the general parameters (pH, colour, TDS, turbidity, total alkalinity, total hardness, chlorides, calcium, fluoride, nitrate) are under analysis and results are still awaited.

Total Coliform and *E. Coli* have been detected in 05 samples. The Drinking Water Standards of Bureau of Indian Standards - IS 10500:2012 prescribes

that Total Coliform and *E. Coli* shall not be detected in 100 ml of drinking water samples.

Total Coliform and *E. Coli* were not detected in the **02** water supply samples collected from the Under Ground reservoir of DJB on **29.04.2025** and **15.05.2025**.



**(Nazimuddin)**

Sc F & Divisional Head WQM-I  
Central Pollution Control Board

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

S. No.	Field Code	Details of the sampling locations at 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)	
<b>Drinking Water Standards as per IS 10500: 2012</b>				Shall not be detectable in any 100 ml sample	-	Shall not be detectable in any 100 ml sample	0.2 mg/L (Minimum)
<b>Samples collected on 30.06.2025</b>							
1.	D-1	A-1/65, Ground Floor	06:00 AM	16*10 <sup>5</sup>	16*10 <sup>5</sup>	28*10 <sup>4</sup>	N.D
2.	D-2	A-1/63, Ground Floor	06:15 AM	54*10 <sup>3</sup>	17*10 <sup>3</sup>	49*10 <sup>2</sup>	N.D
3.	D-3	A-1/148, 2 <sup>nd</sup> floor	06:48 AM	920	280	39	N.D
4.	D-4	A-1/57, Ground floor	07:00 AM	BDL	BDL	BDL	N.D
5.	D-5	A-1/57, 2 <sup>nd</sup> floor	07:15AM	13	7.8	7.8	N.D
6.	D-6	A-1/141, 2 <sup>nd</sup> floor	07:30 AM	94	70	11	N.D
BDL stands for Below Detection Limit; Detection Limit: TC/FC/E. Coli <1.8 MPN/100 mL; N.D stands for Non-Detectable							



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



**जैव-विज्ञान प्रयोगशाला BIO-SCIENCE LABORATORY**  
**Microbiological Analysis Report**

TC-7723

**यूलआर नंबर ULR No:** TC772325200000065F

- |   |   |
|---|---|
| 1. रिपोर्ट संख्या और जारी करने की तारीख<br>Report No. & Date of Issue   | : BIO/2526/MB/00065,03/07/2025                      |
| 2. रिपोर्ट भेज दी गई है<br>(मांगकर्ता का नाम, मोबाइल नंबर और पता)<br>Report Sent To<br>(Name, Mobile no. & Address of Indentor) | : DH of WQM-I                                       |
| 3. नमूने पंजीकरण संख्या और दिनांक<br>Samples Registration No. & Date  | : BIO/MB/2526/SR00109,30/06/2025                    |
| 4. विश्लेषण अनुरोध प्रभाग/संगठन<br>Analysis Request Division/Organization   | : WQM-I   |
| 5. एकत्रित किया गया नमूना<br>Sample Collected by  | : Alpana Narula, Gautam Mahipal Abhishek & Annu     |
| 6. नमूनाकरण योजना प्राथमिकता<br>Sampling Plan Reference   | :   |
| 7. नमूना प्राप्ति की तिथि एवं समय<br>Date & Time of Sample Receipt  | : 30/06/2025 13:58 PM                               |
| 8. नमूना विश्लेषण अवधि<br>Sample Analysis Period  | : 30/06/2025 03/07/2025                             |
| 9. नमूना विवरण<br>Sample Details  | : Drinking Water                                    |
| 10. परियोजना का नाम<br>Name of the Project  | : NGT Inspection in the matter of O.A. No. 116/2025 |
| 11. रिपोर्ट स्थिति<br>Report Status   | : Final   |

SR. NO	Field Code	Sample Matrix	Date & Time of Sample Collection	Parameters	Result value	Unit
1	D-1	Fresh Water	30-06-2025 06:00	E.coli	28*10 <sup>4</sup>	MPN/100mL
2	D-1	Fresh Water	30-06-2025 06:00	Faecal Coliform	16*10 <sup>5</sup>	MPN/100mL
3	D-1	Fresh Water	30-06-2025 06:00	Total Coliform	16*10 <sup>5</sup>	MPN/100mL
4	D-2	Fresh Water	30-06-2025 06:15	E.coli	49*10 <sup>2</sup>	MPN/100mL
5	D-2	Fresh Water	30-06-2025 06:15	Faecal Coliform	17*10 <sup>3</sup>	MPN/100mL
6	D-2	Fresh Water	30-06-2025 06:15	Total Coliform	54*10 <sup>3</sup>	MPN/100mL
7	D-3	Fresh Water	30-06-2025 06:48	E.coli	39	MPN/100mL
8	D-3	Fresh Water	30-06-2025 06:48	Faecal Coliform	280	MPN/100mL
9	D-3	Fresh Water	30-06-2025 06:48	Total Coliform	920	MPN/100mL
10	D-4	Fresh Water	30-06-2025 07:00	E.coli	<1.8	MPN/100mL
11	D-4	Fresh Water	30-06-2025 07:00	Faecal Coliform	<1.8	MPN/100mL
12	D-4	Fresh Water	30-06-2025 07:00	Total Coliform	<1.8	MPN/100mL
13	D-5	Fresh Water	30-06-2025 07:15	E.coli	7.8	MPN/100mL
14	D-5	Fresh Water	30-06-2025 07:15	Faecal Coliform	7.8	MPN/100mL
15	D-5	Fresh Water	30-06-2025 07:15	Total Coliform	13	MPN/100mL
16	D-6	Fresh Water	30-06-2025 07:30	E.coli	11	MPN/100mL
17	D-6	Fresh Water	30-06-2025 07:30	Faecal Coliform	70	MPN/100mL
18	D-6	Fresh Water	30-06-2025 07:30	Total Coliform	94	MPN/100mL

\* END OF REPORT आख्या समाप्ति \*

Remarks (if any) :

**Analyst**

Dr. Jaya Sharma

**Supervisor, Reviewer & Authorized signatory**

V. Himajwala

**DH Bioscience Laboratory**

Dr. Yashpal Yadav

**Doc:** CB/CL/QR/7.8/BL-1

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केंद्रीय प्रदूषण नियंत्रण बोर्ड  
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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

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