

**BEFORE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI**

Original Application No. 183/2024

News Item titled “Why 75 % of Delhi’s STPs aren’t ready to tackle Yamuna stink” appearing in The Times of India dated 19.02.2024

Date of hearing: 22.08.2025

**CORAM: HON’BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
 HON’BLE DR. A. SENTHIL VEL, EXPERT MEMBER
 HON’BLE MR. ISHWAR SINGH, EXPERT MEMBER
 HON’BLE DR. PRASHANT GARGAVA, EXPERT MEMBER**

Respondents: Mr. Amit Singh Chauhan, Ms. Shikha Chauhan and Ms. Kshitij Singh, Advocates for CPCB
 Ms. Richa Kapoor and Ms. Atika Singh, Advocates for Delhi Jal Board
 Mr. Paritosh Anil, Advocate for MoEF&CC (Through VC)
 Ms. Sakshi Popli, Advocate for DPCC (Through VC)

ORDER

1. The Tribunal in this Original Application is examining the grievance that the Sewage Treatment Plants (STPs) installed by Delhi Jal Board (DJB) along the River Yamuna are not functioning as per norms.
2. The DJB alongwith its latest Status Report dated 20.08.2025 had enclosed the list of 37 STPs set up by DJB alongwith the River Yamuna. This list discloses that UV/Chlorination disinfection have been installed and used by the DJB in these STPs. The disclosure made in the said list is as under:

Working status of UV disinfection / Chlorination disinfection working at various STPs in DJB					
SN	Name of Plants	Capacity in MGD	Status of disinfection system	Status of disinfection system	UV/ Chlorination disinfection installed & operating Agency
1	Kondli Ph-1	10	Chlorination disinfection working	Upgraded in 2025	M/s TRIVENI-GSJ-GHARPURE (JV)
2	Kondli Ph-2	25	Chlorination disinfection working		
3	Kondli Ph-3	10	Chlorination disinfection working		

4	Kondli Ph-4	45	UV disinfection working	Upgraded in 2025	M/s Ayyappa Infra Projects (P) Ltd
5	Chilla	9	Not installed	Commissioned in 2014	M/s HNB Engineers Pvt. Ltd
6	Soniya Vihar	7	UV disinfection working	Commissioned in 2025	M/s Ayyappa Infra Projects (P) Ltd
7	Yamuna Vihar Ph-1	10	Not installed	Tender invited for upgradation	Delhi Jal Board
8	Yamuna Vihar Ph-2	15	UV disinfection working	Upgraded in 2025	M/s SIPL-RKC JV
9	Yamuna Vihar Ph-3	25	Not installed	Tender invited for upgradation	M/s GJS Envo Ltd
10	Coronation new	70	Chlorination disinfection working	Commissioned in 2023	M/s Larsen & Toubro Limited,
11	Coronation 2	20	UV disinfection working	Upgraded in 2025	M/s DRA Rohini Treatment Pvt Ltd
12	Coronation 3	10	UV disinfection working		
13	Rohini	25	UV disinfection working		
14	Narela	15	UV disinfection working		
15	Rithala 1	40	Chlorination disinfection working	Upgraded in 2025	M/s Vatech Wabag Ltd
16	Rithala 2	40	UV disinfection working	Upgraded in 2023	M/s Suez India Pvt Ltd.
17	Pappankalan I	30	UV disinfection working	Upgraded in 2025	M/s SIPL Dwarka Water System Pvt Ltd
18	Pappankalan II	20	Chlorination disinfection working	Commissioned in 2015	M/s Vatech Wabag Ltd
19	Kapashera	5	UV disinfection working	Commissioned in 2014	M/s Triveni Engineering Ltd
20	Nilothi I	40	UV to be installed by 30.9.25	Under upgradation	M/s SIPL Dwarka Water System Pvt Ltd
21	Nilothi II	20	Chlorination disinfection working	Commissioned in 2015	M/s Veolia Inida Ltd
22	Keshopur 1	12	Chlorination disinfection working	Tender invited for upgradation	M/s Vatech Wabag Ltd
23	Keshopur 2	20	UV disinfection working	Upgraded in 2025	M/s Keshopur Sahibi Treatment Pvt Ltd
24	Keshopur 3	60	UV disinfection working	Upgraded in 2025	

25	Najafgarh	5	UV disinfection working	Upgraded in 2024	
26	CWG	1	Chlorination disinfection working	Commissioned in 2010	M/s Toshiba Solution Pvt Ltd
27	Okhla 5	16	Not installed	Tender invited for upgradation	Delhi Jal Board
28	Okhla 6	30	Chlorination disinfection working	Commissioned in 2012	M/s Suez India Pvt Ltd.
29	Okhla New	124	UV disinfection working	Commissioned in 2025	M/s Suez India Pvt Ltd.
30	Molar band	0.66	Yet to be install	Tender invited for upgradation	Delhi Jal Board
31	Vasant Kunj 1	2.2	Yet to be install		
32	Vasant Kunj 2	3	Yet to be install		
33	Ghitorni	5	Yet to be install		
34	Delhi gate II	15	Chlorination disinfection working	Commissioned in 2016	M/s Suez India Pvt Ltd.
35	SNH drain	2.2	Yet to be install	Commissioned in 1998	PPCL utilizing the effluent for power production 7 Not discharging in Yamuna
36	Delhi gate I	2.2	Yet to be install	Commissioned in 1998	
37	Mehrauli	5	Yet to be install	Tender invited for upgradation	Delhi Jal Board
	Total in MG	794.26			

3. In the above Report, DJB has not disclosed any norms set up by any Competent Authority permitting the use of UV-technology for the purpose of disinfection.

4. On the previous date on 13.05.2025, the Learned Counsel appearing for Central Pollution Control Board (CPCB) had informed the Tribunal that CPCB had not prescribed the technology, which is to be adopted for meeting with the standard prescribed by the CPCB.

5. CPCB/DPCC had only prescribed the standards to be met by the STPs but not the technology, which is to be adopted, therefore, it needs to be ascertained if the UV-technology, which is adopted by the DJB in the STPs is effective. Manuals of sewage treatment technologies of CPHEEO (MoUHA) however, have disclosed options like UV, Ozonation etc. but their efficacies are to be checked. This can be ascertained from an expert

body/institution, therefore, we request the IIT Delhi to examine this issue and submit a Report on the aspect of feasibility and effectiveness of use of UV for disinfection in the STP and also disclose UV wavelength, intensity, exposure time and distance required to kill percent Fecal Coliform numbers in sewage (liquid matrix) in order to achieve the norms.

6. Let a copy of this order be forwarded to the Director, IIT Delhi for submitting the Report in this regard within eight weeks.

7. DPCC has also filed the Report dated 19.08.2025 which clearly states that 14 STPs were not found to be meeting the standards prescribed by the DPCC including standards in respect of Fecal Coliform. The disclosure so made in the Report of the DPCC is as under:

“6. That as per the Analysis Reports of DPCC Laboratory in respect of STPs of DJB for the month of July, 2025, out of 37 operational STPs of DJB in Delhi, 23 STPS were found meeting the standards prescribed by DPCC and 14 STPs were not meeting the standards prescribed by DPCC including standards in respect of Fecal Coliform.”

8. Therefore, the DPCC is required to ensure remedial and punitive action against those 14 STPs which are not meeting the prescribed standards. The action taken Report be also filed by the DPCC within eight weeks.

9. List on 11.11.2025.

Prakash Shrivastava, CP

Dr. A. Senthil Vel, EM

Ishwar Singh, EM

Dr. Prashant Gargava, EM

August 22, 2025
Original Application No.183/2024
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