BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,
Principal Bench, New Delhi

O.A. No. 06/2012

Nizamuddin West Association — Applicant

Vs.

Union of India & Ors.. — Respondent(s)

S. No.	Particulars	Page No.
1.	**Status Report** in compliance of Hon'ble NGT order dated 17.10.2023 In O.A. No. 06/2012, Nizamuddin West Association Vs Union of India & Ors. .	
2.	**Annexure-I:** Copy of letter communicated to Haryana State Pollution Control Board (HSPCB) and Uttar Pradesh Pollution Control Board (UPPCB) for seeking action taken report for abatement of pollution of river Yamuna.	
3.	**Annexure-II:** Copy of Status of STPs in the catchment of river Yamuna.	
4.	**Annexure-III:** Copy of the Hon'ble NGT Order dated 17.10.2023.	

(P.K. Mishra)
Scientist F
Central Pollution Control Board
Delhi-110032

Date: 06.12.2023
Place: Delhi

STATUS REPORT IN THE MATTER OF OA NO. 06/2012 TITLED; NIZAMUDDIN WEST ASSOCIATION VS UNION OF INDIA & ORS.

1.0 BACKGROUND

The Hon'ble NGT vide order dated 17.10.2023 in the matter of OA no. 06/2012 titled; Nizamuddin West Association Vs Union of India & Ors. directed CPCB as follows:

"***Para 7: CPCB is directed to verify the facts and figures disclosed in the report placed on record by the States and the authorities and file a comprehensive report reflecting the correct position. CPCB will also place on record the material disclosing that the sewage treatment being done is accordance with the prescribed standards and also the details of the proposed activities for the treatment of sewage/effluent***."

2.0 COMPLIANCE TO THE DIRECTIONS OF HON'BLE NGT

In compliance to directions of Hon'ble NGT, following actions taken by CPCB:

1. CPCB vide letter dated 10.11.2023 communicated the directions of Hon'ble NGT to Haryana State Pollution Control Board (HSPCB) and Uttar Pradesh Pollution Control Board (UPPCB) to provide the action taken report for abatement of river Yamuna. Copy of letter is attached as **Annexure-I.**
2. Action plan submitted by SPCBs of Haryana, U.P and PCC of Delhi are scrutinized with respect to aspects mentioned at Para 6 of directions of NGT. Further, CPCB inspected and collected samples of STPs and drains located in Delhi, Haryana and U.P
3. Monitoring of STPs carried out jointly with concerned ULBs in the month of November-December, 2023. The samples collected from Inlet and Outlet of STPs for the Physio-chemical parameters (pH, TSS, NH_3-N, Total Nitrogen, COD, BOD, PO_4-P), Bacteriological (Fecal Coliform) and actual volume of wastewater treated in each STP.
4. Water quality of River Yamuna and Drains were monitored including actual volume of wastewater discharged into river Yamuna.

3.0 Status of STPs and Drains in catchment of river Yamuna

The information received from SPCBs of Haryana, U.P and PCC of Delhi are scrutinized with respect to the points mentioned in Para 6 of NGT's direction:

i. Details of the drains discharging into the River Yamuna (both with treated waste water/untreated waste water). The details include the quantity and quality of the discharge water.

ii. Details of the STPs that have been constructed and operational to treat the waste water discharged from the above drains. The capacity of the existing STP and the quality of the treated waste water, if it is meeting the standards or not.

iii. Details of upgradation of the existing STPs.

iv. Details of those areas/colonies which have so far not been covered in the above scheme shall be furnished indicating timelines for laying down sewage network system to trap all the sewage generated from authorized and unauthorized colonies and linking to the main drain for treatment & disposal.

v. Measures/steps taken for utilization of the treated waste water for agriculture, horticulture, construction activities, dust mitigation and other non-contact purposes.

vi. Details of monitoring of the functioning of the STPs, water quality monitoring.

vii. Rejuvenation and restoration of the Yamuna River Flood Plain and the associated wetlands.

As per the directions of NGT, CPCB reviewed the action plan of respective stakeholders and carried out water quality monitoring of river Yamuna at 14 locations and also carry out monitoring of 51 STPs and 29 drains in catchment of river Yamuna for the State of Haryana, NCT of Delhi and U.P during the month of October-December, 2023

3.1 Water Quality of River Yamuna

CPCB carried out water quality monitoring of river Yamuna at 14 locations (07 in Haryana and 07 in Delhi). The analytical results are compared with the Primary Water Quality Criteria for Outdoor Bathing notified under the Environment (Protection) Rules, 1986. Water quality data of river Yamuna is given below in notified under the E(P) Rules, 1986. Water quality data of river Yamuna is given below in Table 1:

Table 1: Water Quality Data of River Yamuna monitored under NWMP & at inter-state locations

Monitoring Location	State	Date of sampling	Dissolved Oxygen (mg/L)	pH	Biochemical Oxygen Demand (mg/L)	Fecal Coliform (MPN/100ML)	Fecal Streptococci (MPN/100ML)
Primary Water Quality for Outdoor Bathing notified under the E(P) Rules, 1986			**> 5 mg/L**	**6.5-8.5**	**< 3 mg/L**	**< 2500 MPN/100 ML**	**< 500 MPN/100 ML**
Hathnikund, Yamunanagar	Haryana	06-10-2023	7.8	7.88	1.8	100	1.8(BDL)
Kalanaur, Yamunanagar	Haryana	17-10-2023	7.1	7.86	2.2	100	1.8(BDL)
Mangalaura, Karnal	Haryana	27-10-2023	6.2	6.9	2.4	200	1.8(BDL)
Khojkipur, Panipat	Haryana	07-10-2023	3.8	7.62	6.8	600	100
Sonepat	Haryana	31-10-2023	7.6	6.08	1(BDL)	1.8(BDL)	1.8(BDL)
Palla	Haryana/ Delhi Border	30-10-2023	7.8	8.1	BDL	200	230
Wazirabad	Delhi	30-10-	6.8	7.8	6	1700	68

		2023					
ISBT	Delhi	30-10-2023	BDL	7.7	16	400000	110000
ITO	Delhi	30-10-2023	BDL	7.7	31	780000	450000
Nizamuddin	Delhi	30-10-2023	BDL	7.8	19	3300000	330000
Okhla U/S	Delhi	30-10-2023	1.8	7.9	28	460000	17000
Asagarpur	Delhi / U.P Border	30-10-2023	BDL	7.7	17	1700000	20000
Palwal	Haryana/ U.P Border	20-09-2023	1.7	7.5	12	130000	35000
Hasanpur	Haryana/ U.P Border	20-09-2023	2.7	8.2	15	1700	4900

Based on the water quality analysis of river Yamuna during September -October 2023, following observations are made:

i. Three locations namely Khojkipur Panipat, Palwal & Hasanpur are non-complying w.r.t DO and BOD in Haryana.
ii. In Delhi, only 2 locations out of 7 monitored locations are complying w.r.t DO, Fecal Coliform & Fecal Streptococci, namely Palla and Waziarabad.
iii. Downstream Wazirabad in Delhi, DO is reported NIL at 04 locations. 05 locations namely ISBT, ITO, Nizamuddin, Okhla U/S and Asagarpur are non-complying w.r.t BOD, Fecal Coliform & Fecal Streptococci.

3.2 State-wise List of STPs and drains discharging into river Yamuna

CPCB conducted sampling of 29 number of drains discharges wastewater into river Yamuna. CPCB inspected the drains in the month of September, 2023 and December, 2023 for verification of interception / diversion and water quality monitoring. In the month of September, 2023 flow was observed in all drains whereas in the month of December, 2023, 07 drains in Delhi were found tapped. CPCB also inspected 53 number of STPs installed in the catchment of river Yamuna.

Table - 2 depicts State-wise list of drains and their status of interception / diversion. **Table - 3** depicts State-wise list of STPs installed in catchment of river Yamuna.

Table 2: State-wise list of drains discharging into river Yamuna

Sl. No.	State	Town / City	Name of Drain	Flow (in MLD)		Current status
				Sept, 2023	Dec, 2023	
1.	Haryana	Yamuna Nagar	Yamuna Nagar	108.00	-	Interception/tapping of minor drains planned by ULBs.
2.		Panipat	Panipat	858.88	-	
3.		Sonipat	Drain No. 6	13.45	-	
4.		Ballabhgarh	Gocchi Drain	-	-	
5.	Delhi	Delhi	Sonia Vihar Drain	56.16	51.84	Planned to intercept and divert the drain into Sonia vihar STP. Work for construction of 31.8 MLD (7 MGD) STP for tapping and treating waste water of Sonia Vihar Drain is under progress
6.			Nazafgarh + Supplementary Drain	2280.96	2194.56	Trapping of minor drains are in progress.
7.			Magzine Drain	6.91	Tapped	Tapped into Aruna Nagar SPS and conveyed to Okhla STP for treatment.
8.			Sweeper Colony Drain	57.02	Tapped	
9.			Khayberpass Drain	28.51	Tapped	
10.			Metclaf Drain	10.36	Tapped	Tapped into Yamuna Bazar SPS and conveyed to Okhla STP for treatment.
11.			ISBT Drain	27.64	30.24	Waste water of this drain will be carried to Nehru Vihar SPS by laying a rising main from proposed SPS at ISBT Kashmere Gate for treatment in the Coronation Pillar STP. Construction of SPS is in process.
12.			Tonga Stand Drain	10.36	Tapped	Tapped into Yamuna Bazar SPS and conveyed into Okhla STP
13.			Shastri Park Drain	5.18	6.91	DJB has requested MCD for diversion of wastewater. No action initiated till date.
14.			Kailash Nagar Drain	12.09	12.09	
15.			Civil Mill Drain	No Flow	Tapped	Tapped in to Trunk sewer and conveyed into Okhla STP
16.			Power House Drain	No Flow	No Flow	No Flow
17.			Delhi Gate Drain	120.96	125.28	There are 2 operational STPs of 68.2 MLD (15 MGD) capacity and 10

Sl.	State	Town / City	Name of Drain	Flow (in MLD)		Current status
						MLD (2.2 MGD) capacity for treatment of tapped wastewater of this drain. Another STP of 45.46 MLD (10 MGD) is proposed for the treatment of remaining untapped waste water of this drain.
18.			Sen Nursingh Home	86.4	86.4	There is one operational STP of 10 MLD (2.2 MGD) capacity for treatment of tapped waste water of this drain. Over flow is observed from this drain. Sen Nursing Home Drain is planned for tapping into Ring Road Trunk Sewer.
19.			Drain No. 14	12.96	No Flow	No Flow
20.			Barapulla Drain	136.51	143.42	Flow is proposed to be diverted by laying of interceptor sewer through micro tunneling for conveying to Okhla STP for treatment.
21.			Maharani Bag Drain	29.37	31.96	
22.			Abul Fazal Drain	19.01	22.46	No action plan for interception/tapping
23.			Old Agra Canal	No flow	No flow	
24.			Sarita Vihar Drain	43.2	Tapped	Sarita Vihar SPS to Okhla STP
25.			Jaitpur Drain	26.78	18.14	No action plan for interception/tapping
26.			Molar Band Drain	20.73	10.36	
27.			Tuglaqabad Drain	57.02	44.92	
28.			Shahadara Drain	521.85	518.4	Trapping of minor drains are in progress.
NOIDA						
29.	Uttar Pradesh	Noida	Noida Drain	-	99.9	Trapping of minor drains are in progress.

Table 3: State-wise list of STPs installed in catchment of river Yamuna

Sl. No.	City / Town	Location of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Technology	Discharge into Drain / River
State- Delhi						
1	Akshardham	Akshardham	4.54	0.6	MBR	Reuse at Common wealth Village
2	Chilla	Chilla	40.86		SBR	RiverYamuna
3	Coronation Pillar	Coronation Pillar Phase I & II	90.8	59.02	ASP	Irrigation & Flood Control channel
4		Coronation Pillar New	317.8	217.92	ASP with A_2O	Jahangirpuri Drain
5	Delhi Gate	Delhi Gate Phase I	10	11	Densadeg	Pragati Power Plant
6		Delhi Gate Phase II	68.1	74.91	Densadeg	River Yamuna
7	Ghitorni	Ghitorni	22.7	9.08	EA	Mehrauli Drain
8	Kapashera	Kapashera	23	23	SBR	Kapashera Drain
9	Keshopur	Keshopur Phase I	54.48	54.48	ASP	Najafgarh Drain
10		Keshopur Phase II	90.8	90.8	ASP	Najafgarh Drain
11		Keshopur Phase III	181.6	181.6	ASP	Najafgarh Drain
12	Kondli	Kondli Phase I	45.4	45.4	ASP	Shahdra Link Drain
13		Kondli Phase III	45.4	45.4	ASP	Shahdra Link Drain
14		Kondli Phase IV	204.3	102	ASP	Shahdra Link Drain
15	Mehrauli	Mehrauli	22.73	22.73	EA	Saket D Block drain
16	Molarband	Molarband	3	2.45	MBBR	Agra Canal
17	Najafgarh	Najafgarh	22.7	22.7	ASP	Najafgarh Drain
18	Narela	Narela	45.4	31.78	ASP	
19	Nilothi	Nilothi Phase I	181.6	181.6	ASP	Najafgarh Drain
20		Nilothi Phase II	90.8	90.8	ASP	Najafgarh Drain
21	Okhla	Okhla Phase I	54.48	31.24	ASP	Agra Canal

Sl. No.	City / Town	Location of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Technology	Discharge into Drain / River
22		Okhla Phase III	167.98	116.50	ASP	Agra Canal
23		Okhla Phase IV	204.3	135.16	ASP	Agra Canal
24		Okhla Phase V	72.64	49.08	ASP	Agra Canal
25		Okhla Phase VI	136.2	127.26	ASP	Agra Canal
26	Pappankalan	Pappankalan Phase I	91	91	ASP	Najafgarh Drain
27		Pappankalan Phase II	91	91	ASP	Najafgarh Drain
28	Rohini	Rohini	68.1	45.4	ASP	Nangloi Drain
29	Rithala	Rithala Phase I	Under Rehabilation			
30		Rithala Phase II	182	190	High load ASP	Drain
31	Sen Nursing Home	Sen Nursing Home	10	11	Densadeg	Pragati Power Plant
32	Vasant Kunj	Vasant Kunj	13.64	7.5	EA	Sanjay Van & Hauz Khas Lake
33		Vasant Kunj	10	8.2	EA	Sanjay Van & Hauz Khas Lake
34	Yamuna Vihar	Yamuna Vihar Phase I	45.4	45.4	ASP	River Yamuna
35		Yamuna Vihar Phase II	45.4	22.7	ASP	River Yamuna
36		Yamuna Vihar Phase III	113.5	167.98	ASP	River Yamuna
State- Uttar Pradesh						
37	Agra	Bury ka Nangla	2.25	2.25	OP	River Yamuna
38		Pilakhar Shahadara, Nunhai	10	10	OP	Pilakhar Drain
39		Dhandhupura	78	77.5	UASB	River Yamuna
40		Jaganpura, dayalbagh	14	14	UASB	River Yamuna
41		Devri	12	7.5	UASB	River Yamuna
42		Sadarvan Bichpuri	40	28	UASB	River Yamuna
43		Dhandhupura	24	18	UASB	Irrigation
44		Sadarvan Bichpuri	36	16	SBR	Irrigation
45		Kalindi Vihar	4.5	2.10	UASB	River Yamuna
46	Mathura	Laxmi Nagar	16	16	UASB	IOCL refinery
47		Masani	30	30	SBR	River Yamuna
48		Pagal Baba	4	4	WSP	River Yamuna
49		Mant Road	8	8	UASB	River Yamuna

Sl. No.	City / Town	Location of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Technology	Discharge into Drain / River
50		Goverdhan	2.76	1.5	OP	River Yamuna
51	Noida	Sector 50	34	25	SBR	Use in golf course
52		Sector 50	25	11	SBR	Uses in irrigation
53		Sector 54	33	21	SBR	River Yamuna
54		Sector 54	54	40	SBR	River Yamuna
55		Sector 123	80	30	SBR	River Yamuna
56		Sector 123	35	32.5	SBR	River Hindon
57		Sector 168	50	25	SBR	River Yamuna
58		Sector 168	100		SBR	River Yamuna
59	Gurugram	Dhanwapur, Gurugram	50	50	SBR	Najfgarh drain through irrigation canal
60		Dhanwapur, Gurugram	68	68	ASP	Najfgarh jheel through irrigation canal
61		Dhanwapur, Gurugram	100	100	ASP	Najfgarh jheel through irrigation canal
62		Farrukhnagar	3	2.8	SBR	Stored and used in irrigation
63		Hailly Mandi	5.5	1.85	MBBR	Stored and used in irrigation
64		Pataudi	4.5	3	MBBR	Stored and used in irrigation
65		Behrampur I	50	45	SBR	Badshahpur drain
66		Behrampur II	120	110	SBR	Badshahpur drain
67	Faridabad	Badshapur, Faridabad	45	-	SBR	Budhiya Nallah
68		Badshapur, Faridabad	30	14	SBR	Budhiya Nallah
69	Sonepat	Rathdana Road, Sonepat	30	22	UASB	Drain
70		Kakrai Road, Sonepat	25	7	SBR	Kakori Drain
71		Rajeev Gandhi Education City, Sonepat	7.5	2	ASP-EA	Irrigation
72		Kharkhoda,	4.5	3	MBBR	Drain No. 6

Sl. No.	City / Town	Location of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Technology	Discharge into Drain / River
		Sonepat				Kharkhoda Drain
73		Gannaur, Sonepat	7	5.5	MBBR	Drain No 6
74		Gohana, Sonepat	8.3	6.89	MBBR	Drain No 8
75		Gohana, Sonepat	3	2	MBBR	Drain No 8
76	Panipat	Sewah Road, Panipat	25	13	SBR	Panipat Drain
77		Sewah Road, Panipat	35	18	UASB+EA	Panipat Drain
78		Jattal Road, Panipat	10	6	UASB+EA	Nohra Drain Panipat
79		Jattal Road, Panipat	20	13	SBR	Nohra Drain Panipat
80		Samalkha, Panipat	5	4.25	MBBR	Drain No. 6 Panipat
81		Sector 19, Panipat	30	8	SBR	Drain No. 2 Panipat
82		Sector 6, Panipat	0.8	0.7	SBR	Drain No.1 Panipat
83	Karnal	R.K. Puram, Karnal	8	3.5	SBR	Drain
84		Karnal	50	45	SBR	Drain
85		Gogari Road, Karnal	10	6.70	SBR	Drain
86		Gharaunda, Karnal	7	4.25	SBR	Drain
87		Inderi, Karnal	4	2.65	SBR	Irrigation Drain
88		Asandh, Karnal	5	3.84	MBBR	Assandh Drain
89		Nilokheri, Karnal	6	3.75	MBBR	Indri Drain
90		Nissing, Karnal	4	3.25	MBBR	Indri Drain
91		Taraori, Karnal	5.5	4.17	MBBR	Indri Drain
92	Yamuna Nagar	Shamsabad Radaur Road, Yamuna Nagar	3.5	1.6	MBBR	Ditch Drain
93		Radaur Road, Yamuna Nagar	20	17	SBR	Ditch Drain
94		BadiMajra, Yamuna Nagar	10	7.9	SBR	Yamuna Nagar Drain
95		Chhachhrauli, Yamuna Nagar	3	2.68	MBBR+TTP	Som River
96		Parwalo, Yamuna Nagar	24	18.5	SBR	River Yamuna

Sl. No.	City / Town	Location of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Technology	Discharge into Drain / River
97		Radaur, Yamuna Nagar	25	20	SBR	Ditch Drain

3.3 Status of Water quality of drains

As stated above, CPCB conducted sampling of 29 number of drains discharges wastewater into river Yamuna. CPCB inspected the drains in the month of September, 2023 and December, 2023 for verification of interception / diversion and water quality monitoring. The analytical results of Delhi for the month of September, 2023 are produced in Table-3. The analytical results of drain for the month of December, 2023 are awaited from laboratories. Water quality of drains monitored for pH, TSS, NH_3-N, COD, BOD, PO_4-P, are summarized in **Table - 4**.

Table 4: Water quality of drains discharges into river Yamuna

Sl. No.	Name of Drain	Flow (in MLD)	Parameters					
			pH	COD (mg/l)	BOD (mg/l)	TSS (mg/l)	NH_3-N (mg/l)	FC (MPN/100 mL)
General Discharge Standards			**5.5-9.0**	**250**	**30**	**100**	**50**	
State- Haryana								
1	Yamuna Nagar	108.00	7.6	**547**	**222**	**129**	**51**	-
2	Panipat	858.88	7.6	218	**72**	78	16	-
3	Drain No. 6	13.45	6.7	182	**52**	**102**	30	-
4	Drain No. 8	-	6.9	27	04	51	01	-
NCT of Delhi								
5	Sonia Vihar Drain	56.16	7.5	174	**103**	**3239**	21	$17x10^5$
6	Nazafgarh Drain	2280.96	7.1	135	**49**	**166**	19	$34x10^5$
7	Magzine Drain	6.91	6.8	221	**104**	**103**	11	$35x10^8$
8	Sweeper Colony Drain	57.02	7.2	127	**44**	63	08	$11x10^9$
9	Khayberpass Drain	28.51	7.3	42	17	38	07	$54x10^6$
10	Metclaf Drain	10.36	7.2	55	17	42	05	$12x10^7$
11	ISBT Drain	27.64	7.0	103	**52**	84	16	$17x10^9$
12	Tonga Stand Drain	10.36	7.0	83	24	62	04	$12x10^8$
13	Shastri Park drain	5.18	7.4	**327**	**187**	94	32	$79x10^7$
14	Kailash Nagar Drain	12.09	7.3	**287**	**151**	**269**	40	$11x10^9$
15	Power House Drain	120.96	7.1	**326**	**189**	**182**	28	$14x10^7$
16	Sen Nursingh Home	86.4	6.9	**390**	**232**	**259**	32	$35x10^9$
17	Drain No. 14	12.96	7.5	47	18	20	08	$49x10^7$
18	Barapulla Drain	136.51	7.3	85	23	47	24	$16x10^7$
19	Maharani Bag Drain	29.37	7.1	166	**66**	**122**	26	$35x10^7$
20	Abul Fazal Drain	19.01	7.1	238	**108**	**115**	44	$23x10^5$
21	Sarita Vihar Drain	43.2	6.6	1205	**566**	**227**	47	$92x10^9$

Sl. No.	Name of Drain	Flow (in MLD)	Parameters					
			pH	COD (mg/l)	BOD (mg/l)	TSS (mg/l)	NH_3-N (mg/l)	FC (MPN/100 mL)
General Discharge Standards			**5.5-9.0**	**250**	**30**	**100**	**50**	
22	Jaitpur Drain	26.78	7.1	226	**106**	88	38	$68x10^4$
23	Molar Band Drain	20.73	6.7	**643**	**385**	**197**	33	$11x10^7$
24	Tuglaqabad Drain	57.02	7.2	236	**130**	**165**	33	$28x10^6$
25	Sahadara Drain	521.85	7.0	210	**101**	**136**	19	$17x10^6$

3.4 Status of STPs in catchment of river Yamuna

As mentioned earlier, CPCB inspected 53 number of STPs installed in the catchment of river Yamuna. The samples of inlet and outlet collected for compliance verification with respect to standards prescribed directed by Hon'ble NGT in the matter of Nitin Shankar Deshpande Vs UOI & Ors in O.A. 1069 of 2018. Earlier in the month of April- June, 2023, CPCB inspected 134 number of STPs in entire catchment of river Yamuna. The status of STPs with respect to capacity utilization, technology adopted, designed parameters, consent status, sludge management and their compliance status are summarized in **Annexure- II**.

Status of STPs with respect to qualitative analysis and compliance verification for 53 number of STPs for the month of November-December, 2023 are placed in **Table - 5**.

Table 5: Status of STPs with respect to qualitative analysis and compliance verification

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
NGT Norms					5.5-9.0	10	20	50	100	10	1
DELHI											
1.	Kondli Phase I	45.4	45.4	Inlet	7.1	227	332	599	$22x10^9$	31	2.7
				Outlet	7.2	5	BDL	30	1.8	02	2.3
2.	Kondli Phase II	114.5	114.5	Inlet	7.1	227	332	599	$22x10^9$	31	2.7
				Outlet	7.5	10	12	46	**$94x10^4$**	03	0.9
3.	Kondli Phase III	45.4	45.4	Inlet	7.1	227	332	599	$22x10^9$	31	2.7
				Outlet	7.4	**11**	BDL	**51**	**$79x10^4$**	04	0.5
4.	Kondli Phase IV	204.3	102	Inlet	7.1	227	332	599	$22x10^9$	31	2.7
				Outlet	7.1	5	BDL	31	**$21x10^4$**	03	0.4
5.	Kondli Phase I, II, III & IV	-	-	Outlet	7.2	**129**	**170**	**346**	**$78x10^5$**	**23**	**2.4**
6.	Nilothi Phase I	181.6	181.6	Inlet	7.0	201	376	569	$68x10^{11}$	31	3.0
				Outlet	7.5	07	12	38	**$13x10^5$**	04	0.2
7.	Nilothi Phase II	90.8	90.8	Inlet	7.1	330	483	750	$20x10^{10}$	32	2.9
				Outlet	6.8	**25**	**27**	**133**	**$68x10^3$**	**22**	0.6
8.	Pappankalan Phase I	91	91	Inlet	7.1	276	406	822	$68x10^{11}$	32	5.4
				Outlet	7.3	**11**	17	49	**$13x10^5$**	06	0.6

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
NGT Norms					5.5-9.0	10	20	50	100	10	1
9.	Pappankalan Phase II	91	91	Inlet	6.9	199	347	685	$92x10^4$	36	03
				Outlet	6.8	08	BDL	43	<1.8	03	**1.3**
10.											
11.	Dhanwapur, Gurugram	50	50	Inlet	6.9	175	274	423	$14x10^8$	25	1.06
				Outlet	7.2	**24**	**26**	**71**	**$49x10^4$**	**11**	0.13
12.	Dhanwapur, Gurugram	68	68	Inlet	6.7	379	82	1181	$28x10^{10}$	41	0.98
				Outlet	7.5	09	10	49	240	08	0.03
13.	Dhanwapur, Gurugram	100	100	Inlet	6.7	379	82	1181	$28x10^{10}$	41	0.98
				Outlet	7.8	**57**	**40**	**170**	**$54x10^5$**	**26**	0.39
14.	Farrukhnagar	3	2.8	Inlet	6.8	773	1203	1803	$17x10^7$	47	0.81
				Outlet	7.6	**23**	**39**	**72**	**$26x10^3$**	**21**	0.22
15.	Hailly Mandi	5.5	1.85	Inlet	6.8	75	188	231	$32x10^7$	22	1.14
				Outlet	7.5	**25**	**31**	**62**	**$54x10^4$**	05	0.58
16.	Pataudi	4.5	3	Inlet	7.2	100	203	304	$26x10^7$	25	2.68
				Outlet	7.1	**29**	**46**	**82**	**$92x10^4$**	**32**	**1.11**
17.	Behrampur I	50	45	Inlet	6.9	164	340	410	$17x10^7$	32	0.79
				Outlet	7.5	**25**	**24**	**64**	<1.8	**11**	0.80
18.	Behrampur II	120	110	Inlet	6.9	164	340	410	$17x10^7$	32	0.79
				Outlet	7.3	**43**	**31**	**129**	<1.8	**11**	0.63
19.	Badshapur, Faridabad	30	15	Inlet	7.4	105	232	400	$33x10^6$	32	2.3
				Outlet	7.1	07	14	38	**$78x10^3$**	02	0.1
20.	Palwal	15	5	Inlet	7.1	65	267	328	$39x10^8$	38	1.6
				Outlet	7.3	**11**	**27**	**96**	**$23x10^4$**	06	0.2
21.	Hassanpur	3	1.5	Inlet	6.9	24	93	122	$14x10^8$	19	0.6
				Outlet	7.2	9	**25**	49	**$20x10^4$**	06	0.2
22.	Rathdana Road, Sonepat	30	22	Inlet	7.1	481	1270	1131	$33x10^8$	52	3.3
				Outlet	7.0	**15**	**34**	**80**	< 1.8	12	0.8
23.	Kakrai Road, Sonepat	25	7	Inlet	7.2	96	73	323	46 $X10^6$	23	1.5
				Outlet	6.8	06	**30**	**39**	6.1	02	1.5
24.	Rajeev Gandhi Education City, Sonepat	7.5	2	Inlet	6.8	184	544	471	32 $X10^6$	20	1.9
				Outlet	7.2	09	**34**	**51**	< 1.8	01	0.9
25.	Kharkhoda, Sonepat	4.5	3.0	Could not monitored due to up-gradation.							
26.	Ganaur, Sonepat	7	5.5	Inlet	7.3	56	150	187	$47 x10^5$	19	2.6
				Outlet	7.2	**44**	**58**	**138**	**$13 x10^5$**	**12**	0.3
27.	Gohana, Sonepat	3	2	Inlet	7.1	363	595	878	$40 x10^9$	43	3.1
				Outlet	6.8	**12**	**49**	**71**	**$13 x10^3$**	07	0.4
28.	Gohana, Sonepat	8.3	6.89	Inlet	7.3	84	120	225	$63 x10^8$	30	0.5
				Outlet	7.0	**12**	**52**	**63**	**$49 x10^3$**	06	0.5
29.	Sewah Road, Panipat	35	18	Inlet	7.4	77	146	268	$70 x10^7$	36	1.5
				Outlet	7.7	05	BDL	44	**$17 x10^4$**	02	0.2
30.	Sewah Road, Panipat	25	13	Inlet	7.5	80	102	260	$14 x10^7$	31	0.9
				Outlet	7.3	05	BDL	41	45	03	0.2
31.	Jattal Road, Panipat	10	6	Inlet	7.2	95	232	284	$17 x10^7$	24	0.7
				Outlet	7.6	09	BDL	48	**$13 x10^3$**	06	0.3

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
NGT Norms					5.5-9.0	10	20	50	100	10	1
32.	Jattal Road, Panipat	20	13	Inlet	7.4	70	217	236	14×10^8	25	0.6
				Outlet	7.6	07	BDL	42	**49×10^4**	05	0.2
33.	Samalkha, Panipat	5	4.25	Could not monitored due to up-gradation.							
34.	Sector 19, Panipat	30	8	Inlet	7.3	65	379	287	78×10^4	20	1.6
				Outlet	7.5	09	BDL	**55**	**47×10^2**	06	0.2
35.	Sector 6, Panipat	0.8	0.7	Inlet	7.3	73	95	244	32×10^5	40	0.7
				Outlet	7.6	10	BDL	**59**	**68×10^4**	02	0.3
36.	R.K. Puram, Karnal	8	3.5	Inlet	7.7	122	108	307	54×10^9	02	3.1
				Outlet	7.4	**56**	**22**	**148**	**22×10^6**	03	**3.6**
37.	Karnal	50	45	Inlet	7.9	362	216	516	17×10^7	33	3.2
				Outlet	8.4	**107**	BDL	**221**	-	01	0.7
38.	Gogari Road, Karnal	10	6.70	Inlet	8.0	142	165	456	33×10^8	19	2.2
				Outlet	8.1	**93**	BDL	**212**	< 1.8	06	0.7
39.	Gharaunda, Karnal	7	4.25	Inlet	7.7	170	197	479	12×10^8	01	0.7
				Outlet	7.6	**68**	10	**192**	< 1.8	01	**2.5**
40.	Shamsabad Radaur Road, Yamuna Nagar	25	20	Inlet	7.6	397	BDL	685	28×10^{12}	21	1.8
				Outlet	7.3	**72**	BDL	**217**	280	01	**1.0**
41.	Radaur Road, Yamuna Nagar	20	17	Inlet	8.2	299	264	635	94×10^{11}	19	1.8
				Outlet	8.4	**88**	BDL	**195**	< 1.8	02	**1.4**
42.	BadiMajra, Yamuna Nagar	10	7.9	Inlet	7.0	222	172	406	28×10^{10}	20	1.4
				Outlet	8.5	**55**	12	**148**	**22×10^4**	01	0.6
43.	Parwalo, Yamuna Nagar	24	18.5	Inlet	7.2	128	160	327	18×10^{12}	18	1.4
				Outlet	8.2	**86**	10	**237**	**12×10^2**	01	0.1
44.											
45.	Indirapuram, Ghaziabad	74	74	Inlet	7.0	95	133	333	-	-	-
				Outlet	7.1	**58**	**49**	**266**	**33×10^2**	-	0.96
46.	Indirapuram, Ghaziabad	56	50	Inlet	7.1	157	380	467	-	-	-
				Outlet	7.3	**13**	14	**77**	**17×10^3**	-	0.25
47.	Indirapuram, Ghaziabad	56	56	Inlet	7.1	143	274	454	-	-	-
				Outlet	7.1	**71**	**74**	**224**	**33×10^6**	-	3.26
48.	Dudahaida, Vijay Nagar	70	70	Inlet	7.4	157	289	423	-	-	-
				Outlet	7.4	**39**	**54**	**182**	**34×10^5**	-	3.45
49.	Dudahaida, Vijay Nagar	56	56	Inlet	7.4	99	210	334	-	-	-
				Outlet	7.6	7	15	**63**	**12×10^4**	-	1.71
50.	Morty Rajnagar Extn	56	22.5	Inlet	7.1	108	179	336	-	-	-
				Outlet	7.3	5	20	48	**79×10^5**	-	0.51
51.	Govindpuram	26	12.38	Inlet	7.3	96	132	281	-	-	-
				Outlet	7.4	2	10	12	110	-	3.42
52.	Bapudham Madhuban	56	1.5	Inlet	7.6	15	94	95	-	-	-
				Outlet	7.6	6	15	44	2	-	2.94
53.	Ankur Vihar	30	22	Inlet	7.1	211	360	596	-	-	-

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
NGT Norms					5.5-9.0	10	20	50	100	10	1
	Loni			Outlet	7.2	**24**	**85**	**183**	**$13x10^5$**	-	4.24
54.	Trans Delhi Signature City, Loni	5	3.5	Inlet	7.3	10	28	67	-	-	-
				Outlet	7.3	5	16	40	**$12x10^4$**	-	1.24

Based on above results, following observations are made:

1. **Compliance Status of Drains**

Qualitative Assessment of Drains with respect to General Standards for Discharge of Environmental Pollutants under Schedule-VI of The Environment (Protection) Rules, 1986.

a. **Delhi –** Of the 22 drains, 07 drains are found tapped and only 04 drain viz. Khayberpass drain, Metclaf drain, Drain No. 4 & Barapulla drain are observed complying to the General Standards for Discharge of Environmental Pollutants into inland water surface under Schedule-VI of The Environment (Protection) Rules, 1986.

b. **Haryana –** Of the 04 drains, 01 drain viz. Drain no. 8 is observed complying to the General Standards for Discharge of Environmental Pollutants into inland water surface under Schedule-VI of The Environment (Protection) Rules, 1986

2. **Status of Sewage Treatment Plants**

Qualitative Assessment of Sewage Treatment Plants for compliance to Hon'ble NGT order dated 30.04.2019 in the matter of Nitin Shankar Deshpande Vs UOI & Ors in O.A. 1069 of 2018.

a. **Delhi -** Of the 8 STPs monitored in Delhi, 3 STPs viz. Kondli Phase-II, Kondli Phase-IV & Nilothi Phase – I were observed complying with respect to norms prescribed by Hon'ble NGT in the matter of Nitin Shankar Deshpande Vs UOI & Ors in O.A. 1069 of 2018**.** Of the 8 STPs, 02 STPs were observed complying to the discharge standards for bacteriological parameter i.e. Fecal Coliform viz. Kondli Phase –I & Pappankalan Phase - II monitored in Delhi.

b. **Haryana –** Of the 33 STPs monitored in Haryana, 06 STPs viz. Dhanwapur – II (68 MLD); Badshapur Faridabad (30 MLD), Sewah Road Phase – I, Sewah Road Phase – II, Jattal Road Phase – I & Jattal Road Phase – II were observed complying with respect to norms prescribed by Hon'ble NGT in the matter of Nitin Shankar Deshpande Vs UOI & Ors in O.A. 1069 of 2018. Of the 33 STPs, 11 STPs were

observed complying to the discharge standards for bacteriological parameter i.e. Fecal Coliform viz. Dhanwapur – II (68 MLD), Behrampur – I, Behrampur – II; Rathdana Road Sonepat, Kakrai Road Sonepat, Rajeev Gandhi Education City Sonepat, Sewah Road Phase – I, Gogari Road Karnal, Gharaunda, Shamsabad and Radaur Road.

c. **Uttar Pradesh -** Of the 10 STPs monitored in Uttar Pradesh, 01 STP viz. Morty Rajnagar Extn was observed complying discharge standards with respect to Physico-chemical parameters i.e. pH, BOD, TSS, COD, NH_3-N and PO_4-P.

Of the 10 STPs, 02 STPs were observed complying to the discharge standards for bacteriological parameter i.e. Fecal Coliform viz. Govindpuram and Bapudham Madhuban

4.0 MAJOR FINDINGS

Based on the information received from Haryana SPCB, UPPCB and DPCC and field verification / inspection conducted by CPCB, following findings are made:

A. NCT of Delhi

As reported by DJB, Sewage Generation of NCT of Delhi is estimated to 792 MGD and installed treatment capacity of 37 operational STPs is 667 MGD. The capacity utilization of existing 37 STPs is 550 MGD. The gap in treatment capacity is 125 MGD and in actual treatment is 242 MGD. Further, there are 24 major drains discharging wastewater into river Yamuna. The findings in respect of tapping of major drains, performance of STPs and water quality of river Yamuna are summarized below:

i. As mentioned earlier, there are 24 drains discharging wastewater into river Yamuna. Out of 24 drains, 07 drains namely Magazine drain, Sweeper Colony Drain, Khyber Pass drain, Metcalf drain, Tonga Stand Drain, Civil Mill and Sarita Vihar Drain are found tapped and 02 drains namely Old Agra Canal and Drain no. 14 has no flow.
ii. In 06 drains namely Sonia Vihar drain, ISBT drain, Delhi Gate Drain, Sen Nursing Home Drain, Barapullah Drain, Maharani Bagh Drain, the work for interception / diversion is under progress. In three major drains, namely Najafgarh, Supplementary and Shahdara Drain, work of interception of sub-drains is also under process.
iii. The water quality data of untapped drains also depicts that only 04 drain viz. Khayberpass drain, Metclaf drain, Drain No. 4 & Barapulla drain are observed complying to the prescribed norms.
iv. Of the 8 STPs monitored in Delhi, only 3 STPs viz. Kondli Phase-II, Kondli Phase-IV & Nilothi Phase – I were observed complying dwere observed complying with respect to norms prescribed by Hon'ble NGT in the matter of O.A. 1069 of 2018 titled; Nitin Shankar Deshpande Vs UOI & Ors . Of the 8 STPs, 02 STPs were observed complying to the discharge standards for bacteriological parameter i.e. Fecal Coliform viz. Kondli Phase –I & Pappankalan Phase - II monitored in Delhi.
v. During the month of April – June, 2023, Of the 36 STPs monitored by CPCB in Delhi, only 02 STPs – Coronation pillar – IV and Nilothi Phase II are observed complying with respect to norms prescribed by Hon'ble NGT in the matter of O.A. 1069 of 2018 titled; Nitin Shankar Deshpande Vs UOI & Ors.

vi. The water quality data of river Yamuna for Delhi stretch depicts that out of 07 locations, only 02 locations at Palla and Wazirabad are meeting the Primary Water Quality Criteria for Outdoor Bathing notified under the Environment (Protection) Rules, 1986. Downstream of Wazirabad, the water quality of river Yamuna deteriorates. The Dissolved Oxygen is Nil at 04 locations in downstream of Wazirabad and at 05 locations namely ISBT, ITO, Nizamuddin, Okhla U/S and Asagarpur are non-complying w.r.t BOD, Fecal Coliform & Fecal Streptococci.

vii. The reasons for deterioration of water quality of river Yamuna at downstream of Wazirabad is due to non-availability of fresh water and discharge of partially treated wastewater from 18 drains into river Yamuna.

B. **State of Haryana**

As mentioned by Haryana Government, Sewage Generated in catchment of river Yamuna is 1098 MLD and installed treatment capacity of 59 operational STPs is 1075 MLD. The gap in installed capacity reported is 240.44 MLD in towns namely Samalkha (0.56 MLD), Palwal (9.38 MLD), Faridabad (144.5 MLD) and Gurugram (86 MLD). Further, there are 11 major drains discharging wastewater into river Yamuna. The findings in respect of tapping of major drains, performance of STPs and water quality of river Yamuna are summarized below:

i. CPCB has monitored 04 major drain namely Yamunanagar Drain, Panipat drain, Sonipat drain (Drain no. 6 and 8) and Ballabhgarh drain. The water quality data of untapped drains also depicts that only Of the 04 drains, 01 drain viz. Drain no. 8 is observed complying to the General Discharge Standards

ii. Of the 33 STPs monitored in Haryana, 06 STPs viz. Dhanwapur – II (68 MLD); Badshapur Faridabad (30 MLD), Sewah Road Phase – I, Sewah Road Phase – II, Jattal Road Phase – I & Jattal Road Phase – II were observed complying with respect to norms prescribed by Hon'ble NGT in the matter of O.A. 1069 of 2018 titled; Nitin Shankar Deshpande Vs UOI & Ors.

iii. Of the 33 STPs, 10 STPs were observed complying to the discharge standards for bacteriological parameter i.e. Fecal Coliform viz. Dhanwapur – II (68 MLD), Behrampur – I, Behrampur – II; Rathdana Road Sonepat, Kakrai Road Sonepat, Rajeev Gandhi Education City Sonepat, Sewah Road Phase – I, Gogari Road Karnal, Gharaunda and Shamsabad Radaur Road.

iv. The water quality data of river Yamuna for Haryana stretch from Hathnikund to Palla (Haryana –Delhi Border) depicts that out of 06 locations, Only One location of river Yamuna at Khojkipur, Panipat is non-complying w.r.t BOD for Primary Water Quality Criteria for Outdoor Bathing notified under the Environment (Protection) Rules, 1986. However, water quality of river Yamuna for the stretch Asgarpur (Delhi-Haryana Border) – Hasanpur (Haryana –U.P Border), deteriorates and not meeting the Primary Water Quality Criteria for Outdoor Bathing standards.

v. The reasons for deterioration of water quality of river Yamuna for the stretch Asgarpur – Hasanpur is due to due to non-availability of fresh water and discharge of wastewater from towns namely Faridabad and Palwal.

C. **State of Uttar Pradesh**

The Government of U. P has reported the information for 02 towns namely Ghaziabad and Noida. The Sewage Generation estimated for these 02 towns is 790 MLD and installed treatment capacity available is 926 MLD. There is gap of 60 MLD in treatment capacity for Ghaziabad and in Noida, there is no gap in treatment capacity. In U.P inspection of major drains were carried out and results from laboratory are awaited. The findings wrt to STPs compliance and water quality are summarized below:

i. Of the 10 STPs monitored in Uttar Pradesh, 01 STP viz. Morty Rajnagar Extn was observed complying discharge standards with respect to Physico-chemical parameters i.e. pH, BOD, TSS, COD, NH_3-N and PO_4-P. Of the 10 STPs, 02 STPs were observed complying to the discharge standards for bacteriological parameter i.e. Fecal Coliform viz. Govindpuram and Bapudham Madhuban

ii. The water quality data of river Yamuna for U.P for the stretch Asgarpur (Delhi-Haryana Border) – Hasanpur (Haryana –U.P Border), deteriorates and not meeting the Primary Water Quality Criteria for Outdoor Bathing standards

iii. The reasons for deterioration of water quality of river Yamuna for the stretch Asgarpur – Hasanpur is due to due to non-availability of fresh water and discharge of wastewater from towns namely Ghaziabad, Noida and Greater Noida.

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केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

By Speed-Post/ Email

F. No. A-14011(OA No. 06/2012)/2023/WQM-1 /587 **10-11-2023**

To

Regional Directorate,
Central Pollution Control Board,
Regional Directorate (Chandigarh),
BSNL Telephone Exchange,
2nd Floor, Sector 49 -C, Chandigarh-160 047
Email: gurnamsingh.cpcb@nic.in

Subject: Ensuring compliance to Hon'ble National Green Tribunal (NGT), PB, Delhi Order dated 17-10-2023 in OA No. 06 of 2012 in the matter of Nizamuddin West Association Vs Union of India (UOI) & Ors.

Sir,

Kindly refer our office letter no. F. No. A-14011(OA No. 06/2012)/2023/WQM-1, dated 03-11-2023 enclosing therein a copy of Hon'ble NGT order dated 17-10-2023, in O.A. No. 06/ 2012 in the matter of Nizamuddin West Association Vs Union of India (UOI) & Ors to ensure compliance of the said order of Hon'ble Tribunal.

In this context, enclosed please find a copy of the report of Haryana State Pollution Control Board filed in OA No. 06/ 2012 for required review and necessary action.

It is requested to verify the facts & figure disclosed in the report of Haryana State Pollution Control and carry out necessary inspection/ monitoring of drains & STPs etc. for verification for ensuring compliance of the Hon'ble NGT Order dated 17-10-2023 and submit the report by 24-11-2023.

This may be treated as 'Most Urgent'.

Yours' faithfully

(P.K. Mishra)
Divisional Head, WQM-I Division

Encl: As above
Copy to:

1. Member Secretary,
Haryana State Pollution Control Board,
C-11, Sector 6, Panchkula-134109,
Haryana
Email: hspcbms@gmail.com

: For information, follow-up with RD-Chandigarh for preparation on the report, please.

10/11/23

(P.K. Mishra)

केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

By Speed-Post/ Email

F. No. A-14011(OA No. 06/2012)/2023/WQM-1 /587 **10-11-2023**

To

Regional Directorate,
Central Pollution Control Board,
Regional Directorate (Lucknow),
PICUP Bhawan, Vibhuti Khand,
Gomti Nagar, Lucknow - 226 010
Email: dksoni.cpcb@nic.in

Subject: Ensuring compliance to Hon'ble National Green Tribunal (NGT), PB, Delhi Order dated 17-10-2023 in OA No. 06 of 2012 in the matter of Nizamuddin West Association Vs Union of India (UOI) & Ors.

Sir,

Enclosed please find a copy of Hon'ble NGT order dated 17-10-2023, in O.A. No. 06/ 2012 in the matter of Nizamuddin West Association Vs Union of India (UOI) & Ors wherein directions given are reproduced below:

"5. CPCB is directed to verify the facts and figures disclosed in the report placed on record by the States and the authorities and file a comprehensive report reflecting the correct position. CPCB will also place on record the material disclosing that the sewage treatment being done is accordance with the prescribed standards and also the details of the proposed activities for the treatment of sewage/effluent.".

It is requested to perform required joint inspection & monitoring of river Yamuna, STPs & drains in catchment of river Yamuna in Uttar Pradesh and hold necessary meetings with concerned states & the authorities in your jurisdiction. It is also requested to submit the detailed report preferably before 24-11-2023 to ensure compliance of the Hon'ble NGT Order dated 17-10-2023.

This may be treated as 'Most Urgent'.

Yours' faithfully

(P.K. Mishra)
Divisional Head, WQM-I Division

Encl: As above
Copy to:

1. Member Secretary,
Uttar Pradesh Pollution Control Board,
Building No. TC-12V
Vibhuti Khand, Gomti Nagar, Lucknow – 226010 (U.P)
Email: ms@uppcb.in

: For information, follow-up with RD-Lucknow, CPCB & to depute concerned official to participate in the Joint Monitoring.

18/11/23
(P.K. Mishra)

ANNEXURE-II

STATUS OF STPS IN DELHI, UP AND HARYANA

Table 1: Status of STPs with respect to capacity utilization, technology adopted, designed parameters, consent status, sludge management

Sl. No.	Name of STP	Designed parameters (BOD / TSS)	Consent Status (Valid / Applied / Not Applied)	Administrative Agency	Sludge Management		
					Sludge Quantity (tonnes /day)	Technology adopted	Disposal mode (Land / Reuse)
State: Haryana							
1	50 MLD Dhanwapur, Gurugram	10/10	Valid	GMDA	8-9	Centrifuge	Construction & Horticulture
2	68 MLD Dhanwapur, Gurugram	10/10	Valid	GMDA	13-16	BFP	Construction & Horticulture
3	100 MLD Dhanwapur, Gurugram	30/100	Applied	GMDA	16-18	Centrifuge	Construction & Horticulture
4	Farrukhnagar	30/100	Valid (till 30.09.2023)	PHED	-	Sludge drying bed	Horticulture & Agriculture
5	Hailly Mandi	30/100	Valid (till 30.09.2023)	PHED	-	Sludge drying bed	Horticulture & Agriculture
6	Pataudi	30/100	Valid (till 30.09.2023)	PHED	-	Sludge drying bed	Horticulture & Agriculture
7	Behrampur I	10/10	Valid	GMDA	6-7	Sludge drying bed	Construction
8	Behrampur II	10/10	Valid	GMDA	10-11	BFP	Construction
9	Badshapur, Faridabad	-	-	MC Faridabad	-	-	-
10	Badshapur, Faridabad	-	-	MC Faridabad	-	-	-
11	Rathdana Road, Sonepat	10/20	Valid (till 30.09.2026)	MC Sonipat	2	-	Agriculture
12	Kakrai Road, Sonepat	10/20	Valid (till 30.09.2026)	MC Sonipat	1.6	-	Sent to farmers
13	Rajeev Gandhi Education City, Sonepat	10/20	Valid (till 30.09.2024)	HSVP	-	-	-
14	Kharkhoda, Sonepat	30/100	Valid (till 30.09.2024)	PHED	0.05	-	Sent to farmers
15	Gannaur, Sonepat	30/100	-	PHED	0.3		Sent to Farmers
16	Gohana,	30/100	Valid (till	PHED	0.45	Sludge Drying	Sent to

Sl. No.	Name of STP	Designed parameters (BOD / TSS)	Consent Status (Valid / Applied / Not Applied)	Administrative Agency	Sludge Management		
					Sludge Quantity (tonnes /day)	Technology adopted	Disposal mode (Land / Reuse)
	Sonepat		30.09.2025)			Bed	Farmers
17	Gohana, Sonepat	30/100	Valid (till 30.09.2025)	PHED	1.35	-	Sent to Farmers
18	Sewah Road, Panipat	10/20	21.03.2023 (applied)	MC Panipat	2.3	-	Sent to Farmers
19	Sewah Road, Panipat	10/20	21.03.2023 (applied)	MC Panipat	3.0	-	Sent to Farmers
20	Jattal Road, Panipat	10/20	21.03.2023 (applied)	MC Panipat	2.6	-	Sent to Farmers
21	Jattal Road, Panipat	10/20	21.03.2023 (applied)	MC Panipat	2.6	-	Sent to Farmers
22	Samalkha, Panipat	30/100	Refused by SPCB	PHED	0.08	-	Sent to farmers and in parks
23	Sector 19, Panipat	10/50	Valid (till 30.09.2023)	HSVP	0.05	-	Sent to farmers
24	Sector 6, Panipat	10/20	-	HSVP	0.015	-	Sent to farmers
25	R.K. Puram, Karnal	10/10	Valid (till 30.09.2024)	MC Karnal	0.5	-	Agriculture
26	Karnal	10/20	Valid (till 30.09.2023)	MC Karnal	12	-	Agriculture
27	Gogari Road, Karnal	10/20	Valid (till 30.09.2024)	PHED	1.6	-	Agriculture
28	Gharaunda, Karnal	10/20	Valid (till 30.09.2024)	PHED	0.17	-	Agriculture
29	Inderi, Karnal	10/20	Valid (till 30.09.2023)	PHED	0.66	-	Sent to farmers
30	Asandh, Karnal	10/20	Valid (till 30.09.2026)	PHED	0.5	-	Sent to farmers
31	Nilokheri, Karnal	10/20	Valid (till 30.09.2026)	PHED	0.043	-	Sent to farmers
32	Nissing, Karnal	10/20	Valid (till 30.09.2025)	PHED	0.05	-	Sent to famers
33	Taraori, Karnal	10/20	Valid (till 30.09.2024)	PHED	0.025	-	Agriculture
34	Shamsabad Radaur Road, Yamuna Nagar	250/400	Valid (till 29.05.2023)	PHED	2.6	Centrifuge	Agriculture
35	Radaur Road, Yamuna Nagar	10/20	Valid (till 30.09.2024)	PHED	1.0	Sludge Drying Bed	Agriculture
36	BadiMajra, Yamuna Nagar	250/400	Valid (till 30.09.2023)	PHED	0.5	-	Agriculture
37	Chhachhrauli,	10/20	Valid (till	PHED	0.132	-	Agriculture

Sl. No.	Name of STP	Designed parameters (BOD / TSS)	Consent Status (Valid / Applied / Not Applied)	Administrative Agency	Sludge Management		
					Sludge Quantity (tonnes /day)	Technology adopted	Disposal mode (Land / Reuse)
	Yamuna Nagar		30.09.2024)				
38	Parwalo, Yamuna Nagar	150/400	Applied	PHED	10	Centrifuge	-
39	Radaur, Yamuna Nagar	30/100	30.09.2024	PHED	2.9	Sludge Drying Bed	Agriculture
State: NCT of Delhi							
1	Akashardham	2/1	-	DJB	7-8	-	Agriculture
2	Chilla			DJB			
3	Coronation Pillar II	30/50	Expired	DJB	1.13	-	Sludge Drying Bed
4	Coronation Pillar IV	10/10	Expired	DJB	2	-	-
5	Delhi Gate Phase – I	10/10	-	DJB	5-6	Centrifuge	Disposal at Kundli/ Ghittorni
6	Delhi Gate Phase - II	10/10	-	DJB	24-30	Centrifuge	Disposal at Kundli/ Ghittorni
7	Ghitorni	30/50	Expired on 19.02.2023	DJB	0.35	-	Land filling
8	Kondli Phase I	10/10	-	DJB	5	-	-
9	Kondli Phase III	10/10	-	DJB	5	-	-
10	Kondli Phase IV	20/30	-	DJB	70	Centrifuge	Third Party SSP Pvt Ltd
11	Kapashera	10/10	Valid (till 30.07.2023)	DJB	5	-	Sold to Third party
12	Keshopur Phase I	30/50	Valid (till 17.01.2025)	DJB	9-10	-	Sludge Drying Bed
13	Keshopur Phase II	30/50	Valid (till 31.12.2024)	DJB	20-25	-	Sludge Drying Bed
14	Keshopur Phase III	30/50	Valid (till 31.12.2024)	DJB	45-50	-	Sludge Drying Bed
15	Mehrauli	-	Expired on Oct, 2018	DJB	2.91	-	Ghitorni STP
16	Molarband	30/50	Applied	DJB	0.33	-	dumping into low lying area
17	Narela	30/50	-	DJB	60	-	Sludge Drying Bed
18	Najafgarh	30/50	Applied	DJB	-	-	-
19	Nilothi Phase I	30/50	Valid (till 24.04.2024)	DJB	60	-	Sludge Drying Bed
20	Nilothi Phase II	10/10	Applied on	DJB	20		Sludge

Sl. No.	Name of STP	Designed parameters (BOD / TSS)	Consent Status (Valid / Applied / Not Applied)	Administrative Agency	Sludge Management		
					Sludge Quantity (tonnes /day)	Technology adopted	Disposal mode (Land / Reuse)
			01.06.2021				Drying Bed
21	Okhla Phase I	30/50	Applied	DJB	4.16	-	dumping into low lying area
22	Okhla Phase III	30/50	Applied	DJB	15.83	-	dumping into low lying area
23	Okhla Phase IV	30/50	Applied	DJB	18.33	-	dumping into low lying area
24	Okhla Phase V	30/50	Applied	DJB	6.66	-	dumping into low lying area
25	Okhla Phase VI	20/30	Applied	DJB	17.16	-	dumping into low lying area
26	Pappan Kalan Phase - I	30/50	Valid (till 23.06.2024)	DJB	No Logbook maintained	-	Currently disposing in low lying areas, as informed
27	Pappan Kalan Phase - II	10/10	Applied	DJB	Logbook not maintained	Composting	Land
28	Rohini Sector 25	30/50	-	DJB	18.547	Sludge Drying Bed	Horticulture
29	Rithala Phase II	15/20	-	DJB	650-700	Sludge Drying Bed	Farmers
30	Sen Nursing Home	10/10	-	DJB	5-6	-	Disposal at Kundli/ Ghittorni
31	Vasant Kunj	30/50	-	DJB	0.3	-	Ghitorni STP
32	Vasant Kunj	30/50	-	DJB	0.3	-	Ghitorni STP
33	Najafgarh STP	30/50	Applied	DJB	No Logbook maintained	-	To farmers but no record maintained
34	Yamuna Vihar Phase - I	30/50	-	DJB	4.5-5.0	Centrifuge	Disposal at low lying areas
35	Yamuna Vihar Phase - II	30/50	-	DJB	2.5	-	Disposal at low lying areas

Sl. No.	Name of STP	Designed parameters (BOD / TSS)	Consent Status (Valid / Applied / Not Applied)	Administrative Agency	Sludge Management		
					Sludge Quantity (tonnes /day)	Technology adopted	Disposal mode (Land / Reuse)
36	Yamuna Vihar Phase - III	30/50	Expired on 25.02.2020	DJB	-	Centrifuge	-
State: Uttar Pradesh							
1	33 MLD Sector 54 Noida	10/20	Valid (till 31.12.2023)	Noida Authority	5-6	-	Horticulture & Farming
2	54 MLD Sector 54 Noida	10/20	Valid (till 31.12.2023)	Noida Authority	8-10	-	Horticulture & Farming
3	80 MLD Sector 123 Noida	10/20	Valid (till 31.12.2023)	Noida Authority	1-2	-	Horticulture & Farming
4	35 MLD Sector 123 Noida	10/20	Valid (till 31.12.2023)	Noida Authority	5-6	-	Horticulture & Irrigation
5	50 MLD Sector 168 Noida	10/20	Valid (till 31.12.2027)	Noida Authority	8	-	Horticulture & Irrigation
6	Sector 168 Noida			Noida Authority			Horticulture & Irrigation
7	25 MLD Sector 50 Noida	10/10	Valid (till 31.12.2023)	Noida Authority	-	-	-
8	34 MLD Sector 50 Noida	10/10	Valid (till 31.12.2023)	Noida Authority	-	-	-
9	Laxmi Nagar	250/450	-	UP Jal Nigam	3.5	-	-
10	Masani	250/450	-	UP Jal Nigam	1.6		Dumped into low lying area
11	Pagal Baba	30/50	Valid (till 31.12.2024)	UP Jal Nigam	-	-	-
12	Maant Road, Vrindavan	250/450	Valid (till 31.12.2024)	UP Jal Nigam	-	-	Designated land
13	N.P. Goverdhan Mathura	-	-	UP Jal Nigam	-	-	-
14	Boodhi ka Nangla	30/50	-	-	-	-	-
15	Pilakhar Shahadara, Nunhai	30/50	-	-	-	-	-

Sl. No.	Name of STP	Designed parameters (BOD / TSS)	Consent Status (Valid / Applied / Not Applied)	Administrative Agency	Sludge Management		
					Sludge Quantity (tonnes /day)	Technology adopted	Disposal mode (Land / Reuse)
16	Dhandhupura	30/50	-	-	2.76	-	Fertiliser
17	Jaganpura, dayalbagh	30/50	-	-	3.58	-	Farming
18	Devri, Agra	30/50	-	-	-	-	-
19	Sadarvan Bichpuri	30/50	-	-	2.09	-	Farming
20	Dhandhupura	30/50	-	-	0.92	-	Farming
21	Sadarvan Bichpuri	5/10	-	-	1	-	Fill Land
22	Kalindi Vihar	30/50	-	Nagar Nigam Agra	3	-	-

Table 2: Status of STPs with respect to qualitative analysis and compliance verification

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
NGT Norms					5.5-9.0	10	20	50	100	10	1
DELHI											
1	Akshardham	4.54	0.6	Inlet	7.0	367	942	1241	$31x10^{10}$	26	1.75
				Outlet	7.6	5	BDL	42	$11x10^{3}$	2	2.60
2	Chilla	42		Inlet	7.2	60	81	219	$31x10^{11}$	19	2.41
				Outlet	7.4	12	BDL	85	$14x10^{2}$	11	0.56
3	Coronation Pillar Phase I & II	90.8	59.02	Inlet	7.2	152	298	455	$34x10^{12}$	28	1.57
				Outlet	7.4	10	BDL	42	$23x10^{3}$	07	1.41
4	Coronation Pillar IV	317.8	217.92	Inlet	7.1	125	266	323	$31x10^{10}$	23	1.69
				Outlet	7.4	08	BDL	37	49	06	0.62
5	Delhi Gate Phase I	10	11	Inlet	7.1	230	871	829	$35x10^{12}$	26	0.39
				Outlet	6.9	3	25	28	$17x10^{6}$	3	0.30
6	Delhi Gate Phase II	68.1	74.91	Inlet	7.2	125	451	417	$43x10^{12}$	21	0.89
				Outlet	7.3	5	BDL	39	$14x10^{4}$	4	0.21
7	Ghitorni	22.7	9.08	Inlet	7.5	267	480	878	$40x10^{9}$	22	5.05
				Outlet	7.9	5	32	20	$27x10^{4}$	5	5.53
8	Kapashera	23	23	Inlet	7.2	1574	3298	3027	$34x10^{10}$	165	2.86
				Outlet	7.7	8	11	77	$46x10^{3}$	5	0.26
9	Keshopur Phase I	54.48	54.48	Inlet	7	227	575	547	$92x10^{12}$	40	1.98
				Outlet	7.4	02	<10	24	$11x10^{3}$	1	0.10
10	Keshopur Phase II	90.8	90.8	Inlet	7	245	510	646	$28x10^{12}$	43	2.70
				Outlet	7	275	688	902	$27x10^{10}$	42	5.36
11	Keshopur Phase	181.6	181.6	Inlet	7	212	368	614	$14x10^{11}$	41	2.51

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
	III			Outlet	7.1	103	266	402	$70x10^7$	24	2.31
12	Kondli Phase I	45.4	45.4	Inlet	7.4	189	277	499	$40x10^6$	40	3.14
				Outlet	7.5	6	BDL	13	$47x10^3$	3	0.79
13	Kondli Phase III	45.4	45.4	Inlet	7.4	189	277	499	$40x10^6$	40	3.14
				Outlet	7.3	09	BDL	34	$11x10^4$	05	2.34
14	Kondli Phase IV	204.3	102	Inlet	7.4	189	277	499	$40x10^6$	40	3.14
				Outlet	7.5	11	21	62	$24x10^2$	08	2.32
15	Kondli Phase I, III & IV	-	-	Outlet	7.5	136	171	347	$13x10^6$	18	3.09
16	Mehrauli	22.73	22.73	Inlet	7.5	164	294	347	$14x10^6$	21	1.06
				Outlet	7.9	7	62	43	$14x10^4$	5	0.86
17	Molarband	3	2.45	Inlet	7.0	351	608	910	$31x10^{11}$	40	5.15
				Outlet	7.2	50	49	160	$14x10^8$	07	0.5
18	Najafgarh	22.7	22.7	Inlet	7.3	205	587	722	$35x10^{12}$	26	1.26
				Outlet	7.5	17	61	120	$14x10^6$	06	0.39
19	Narela	45.4	31.78	Inlet	7.6	54	200	288	$11x10^{13}$	15	0.6
				Outlet	8	9	14	65	$17x10^5$	2	3.25
20	Nilothi Phase I	181.6	181.6	Inlet	7.1	205	427	558	$12x10^{12}$	41	2.05
				Outlet	7.4	20	43	73	$33x10^5$	12	0.26
21	Nilothi Phase II	90.8	90.8	Inlet	7.1	202	421	571	$11x10^9$	44	2.20
				Outlet	7.2	6	<10	34	20	2	0.12
22	Okhla Phase I	54.48	31.24	Inlet	7.1	132	418	422	$11x10^6$	24	2.01
				Outlet	7.3	16	18	67	$49x10^4$	4	0.44
23	Okhla Phase III	167.98	116.50	Inlet	7.2	151	279	377	$13x10^9$	26	2.14
				Outlet	7.4	83	185	236	$23x10^6$	14	0.61
24	Okhla Phase IV	204.3	135.16	Inlet	7.3	162	444	374	$94x10^6$	28	1.86
				Outlet	7.3	27	62	125	$33x10^6$	6	0.49
25	Okhla Phase V	72.64	49.08	Inlet	7.2	194	338	513	$33x10^7$	31	1.83
				Outlet	7.5	24	57	75	$33x10^4$	06	0.35
26	Okhla Phase VI	136.2	127.26	Inlet	7.2	278	464	592	$17x10^8$	39	1.57
				Outlet	7.5	08	08	44	$26x10^3$	02	0.20
27	Pappankalan Phase I	91	91	Inlet	7.1	282	458	738	$54x10^{12}$	36	0.64
				Outlet	7.4	113	129	307	$45x10^8$	15	0.51
28	Pappankalan Phase II	91	91	Inlet	7.1	245	423	722	$13x10^{11}$	46	1.06
				Outlet	7.6	19	21	59	470	7	0.24
29	Rohini Sector 25	68.1	45.4	Inlet	7.1	141	261	492	$38x10^8$	40	4.81
				Outlet	7.7	11	18	43	$40x10^4$	7	3.06
30	Rithala Phase II	182	190	Inlet	7.2	146	203	463	$24x10^9$	18	3.92
				Outlet	7.6	10	10	51	$11x10^6$	8	1.89
31	Sen Nursing Home	10	11	Inlet	7.1	217	428	599	$14x10^{11}$	29	0.22
				Outlet	7.2	4	BDL	33	$39x10^3$	5	0.09
32	Vasant Kunj	13.64	7.5	Inlet	7.2	172	230	455	$41x10^{10}$	20	0.45
				Outlet	7.7	3	BDL	25	$70x10^4$	3	1.01
33	Vasant Kunj	10	8.2	Inlet	7.4	261	274	569	$20x10^9$	19	0.97
				Outlet	8.1	8	21	53	$68x10^5$	6	0.39
34	Yamuna Vihar Phase I	45.4	45.4	Inlet	7.2	114	119	296	$39x10^{10}$	14	2.32
				Outlet	7.8	21	14	86	$70x10^4$	11	2.68

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
35	Yamuna Vihar Phase II	45.4	22.73	Inlet	7.3	105	115	289	$49x10^{10}$	13	1.93
				Outlet	7.4	12	15	50	$11x10^{5}$	5	1.58
36	Yamuna Vihar Phase III	113.5	167.98	Inlet	7.2	90	163	301	$14x10^{9}$	27	2.41
				Outlet	7.7	29	24	123	$49x10^{5}$	09	2.86
HARYANA											
37	Dhanwapur, Gurugram	50	50	Inlet	7.2	309	426	791	78×10^{9}	33	5.15
				Outlet	7.6	93	52	243	45×10^{8}	14	1.37
38	Dhanwapur, Gurugram	68	68	Inlet	7.2	258	444	742	28×10^{11}	30	5.01
				Outlet	7.2	5	<10	34	45×10^{2}	2	0.26
39	Dhanwapur, Gurugram	100	100	Inlet	7.2	258	444	742	28×10^{11}	30	5.01
				Outlet	7.6	45	25	138	11×10^{5}	12	0.62
40	Farrukhnagar	3	2.8	Inlet	7.4	406	571	711	28×10^{11}	28	0.50
				Outlet	7.3	9	20	41	63×10^{2}	9	4.98
41	Hailly Mandi	5.5	1.85	Inlet	7.0	1131	3296	3954	54×10^{12}	28	6.23
				Outlet	7.6	16	21	76	14×10^{6}	7	0.50
42	Pataudi	4.5	3	Inlet	7.2	158	202	420	17×10^{12}	21	2.60
				Outlet	7.2	13	29	58	17×10^{5}	8	0.45
43	Behrampur I	50	45	Inlet	7.2	181	272	467	17×10^{10}	22	2.87
				Outlet	7.3	22	< 10	86	< 1.8	7	0.52
				Final Outlet	7.2	7	<10	46	40×10^{2}	3	0.32
44	Behrampur II	120	110	Inlet	7.2	181	272	467	17×10^{10}	22	2.87
				Outlet	7.3	13	<10	47	20×10^{5}		0.38
				Final Outlet	7.2	4	17	48	20	3	0.33
45	Badshapur, Faridabad	45	-	Inlet	7.5	252	690	762	$14x10^{6}$	27	3.14
				Outlet	7.6	62	283	277	$33x10^{6}$	12	0.25
46	Badshapur, Faridabad	30	14	Inlet	7.6	242	617	734	$39x10^{8}$	29	1.74
				Outlet	8	9	10	28	$17x10^{3}$	2	0.25
47	Rathdana Road, Sonepat	30	22	Inlet	7.3	111	165	326	$12X10^{10}$	22	4.17
				Outlet	7.0	07	16	49	<1.8	12	0.90
48	Kakrai Road, Sonepat	25	7	Inlet	7.3	191	394	516	$70X10^{11}$	35	2.66
				Outlet	7.6	05	29	66	$17X10^{3}$	13	1.65
49	Rajeev Gandhi Education City, Sonepat	7.5	2	Inlet	7.4	44	49	163	$20X10^{11}$	17	4.95
				Outlet	7.6	04	BDL	22	$79X10^{3}$	12	2.34
50	Kharkhoda, Sonepat	4.5	3.0	Inlet	7.6	75	336	305	$26X10^{9}$	22	5.62
				Outlet	8.2	16	31	64	<1.8 #	12	3.72
51	Ganaur, Sonepat	7	5.5	Inlet	7.6	33	96	145	$12x10^{8}$	16	5.23
				Outlet	7.5	20	37	138	$17x10^{5}$	17	4.76
52	Gohana, Sonepat	3	2	Inlet	7.3	174	229	426	$24x10^{10}$	30	5.75
				Outlet	7.5	05	17	31	$11x10^{2}$	04	2.02
53	Gohana, Sonepat	8.3	6.89	Inlet	7.3	209	936	671	$22x10^{12}$	39	6.22
				Outlet	7.5	04	BDL	27	$24x10^{2}$	03	2.60
54	Sewah Road,		18	Inlet	7.3	219	349	531	$33x10^{6}$	42	4.10

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
	Panipat	35		Outlet	7.5	10	15	47	$11x10^4$	11	0.61
55	Sewah Road, Panipat	25	13	Inlet	7.4	155	281	443	$17x10^6$	46	6.45
				Outlet	7.5	08	13	46	$70x10^3$	12	1.33
56	Jattal Road, Panipat	10	6	Inlet	7.2	153	209	394	$16x10^{11}$	32	3.18
				Outlet	7.3	03	11	25	$22x10^4$	03	1.26
57	Jattal Road, Panipat	20	13	Inlet	7.2	166	290	440	$24x10^7$	44	2.92
				Outlet	7.4	04	BDL	21	$16x10^7$	02	1.56
58	Samalkha, Panipat	5	4.25	Inlet	7.0	135	673	468	$33x10^6$	22	4.26
				Outlet	7.5	12	28	52	$23x10^4$	05	1.36
59	Sector 19, Panipat	30	8	Inlet	7.2	339	672	715	$33x10^8$	46	5.38
				Outlet	7.4	03	10	35	$13x10^2$	03	0.35
60	Sector 6, Panipat	0.8	0.7	Inlet	7.1	109	232	417	$14x10^5$	27	4.71
				Outlet	7.6	12	16	52	<1.8 #	04	0.77
61	R.K. Puram, Karnal	8	3.5	Inlet	7.1	171	402	489	$17x10^7$	37	2.26
				Outlet	7.1	02	BDL	23	$54x10^3$	BDL	0.16
62	Karnal	50	45	Inlet	7.0	171	310	393	$70x10^9$	32	1.03
				Outlet	7.2	02	BDL	23	$17x10^3$	BDL	0.20
63	Gogari Road, Karnal	10	6.70	Inlet	7.1	147	200	371	$22x10^{10}$	31	0.92
				Outlet	7.2	10	11	32	$63x10^5$	05	0.19
64	Gharaunda, Karnal	7	4.25	Inlet	7.2	98	188	341	$31x10^7$	29	0.87
				Outlet	7.4	06	BDL	36	$40x10^5$	05	0.21
65	Indri, Karnal	4	2.65	Inlet	7.3	141	167	314	$16x10^{13}$	24	0.76
				Outlet	7.7	04	7	7	$39x10^3$	01	0.18
66	Asandh, Karnal	5	3.84	Inlet	7.6	150	168	374	$39x10^9$	20	2.28
				Outlet	8.0	11	17	50	$45x10^2$	02	0.26
67	Nilokheri, Karnal	6	3.75	Inlet	7.5	99	110	220	$54x10^{12}$	18	2.18
				Outlet	8.0	08	16	33	$11x10^5$	02	0.16
68	Nissing, Karnal	4	3.25	Inlet	8.1	74	86	244	$16x10^{13}$	24	0.98
				Outlet	8.0	05	9	26	$39x10^3$	01	0.37
69	Taraori, Karnal	5.5	4.17	Inlet	7.1	193	202	422	$92x10^6$	36	1.07
				Outlet	7.7	36	26	99	$22x10^2$	09	0.33
70	Shamsabad Radaur Road, Yamuna Nagar	25	20	Inlet	7.4	161	243	397	$17x10^{10}$	19	0.22
				Outlet	7.5	04	7	13	$11x10^4$	01	0.21
71	Radaur Road, Yamuna Nagar	20	17	Inlet	7.4	84	183	230	$20x10^{10}$	16	1.69
				Outlet	7.4	06	13	27	$26x10^6$	BDL	0.13
72	BadiMajra, Yamuna Nagar	10	7.9	Inlet	7.2	73	136	252	$35x10^{12}$	13	2.12
				Outlet	7.7	01	BDL	07	$28x10^5$	BDL	0.27
73	Chhachhrauli, Yamuna Nagar	3	2.68	Inlet	7.5	117	399	351	$12x10^{12}$	23	1.57
				Outlet	7.5	13	26	45	$63x10^4$	03	0.78
74	Parwalo, Yamuna Nagar	24	18.5	Inlet	7.4	162	435	445	$35x10^{12}$	17	1.16
				Outlet	7.1	02	08	18	$27x10^5$	BDL	0.10
75	Radaur, Yamuna Nagar	3.5	1.6	Inlet	7.1	71	110	210	$13 x10^9$	18	1.17
				Outlet	7.7	07	13	22	2.0 #	01	1.06

Sl. No. 0	Name of STP	Capacity (in MLD)	Capacity Utilization (in MLD)	Source	Parameters						
					pH	BOD (mg/l)	TSS (mg/l)	COD (mg/L)	Fecal Coliform (MPN/100 mL)	NH_3-N (mg/l)	PO_4-P (mg/l)
UTTAR PRADESH											
76	Sector 54 Noida	33	21	Inlet	7.4	132	248	449	18×10^8	30	4.23
				Outlet	6.3	21	14	53	22×10^6	5	1.10
77	Sector 54 Noida	54	40	Inlet	7.4	132	248	449	18×10^8	30	4.23
				Outlet	7.6	24	16	97	68×10^2	10	0.15
78	Sector 123 Noida	80	30	Inlet	7.0	65	164	349	93×10^7	23	1.53
				Outlet	7.4	34	17	82	180	9	1.61
79	Sector 123 Noida	35	32	Inlet	6.9	78	122	342	17×10^8	22	2.02
				Outlet	7.3	20	11	74	45	7	0.20
80	Sector 168 Noida	50	25	Inlet	7.6	52	127	275	70×10^6	18	2.39
				Outlet	6.7	33	14	106	<1.8	06	0.55
81	Sector 168 Noida	100		Inlet	7.6	52	127	275	70×10^6	18	2.39
				Outlet	7.4	6	BDL	50	14×10^4	3	0.52
82	Sector 50 Noida	34	25	Inlet	7.2	80	108	320		29	1.41
				Outlet	7.1	34	10	109	<1.8	13	0.16
83	Sector 50 Noida	25	11	Inlet	7.2	80	108	320	14×10^4	29	1.41
				Outlet	7.4	26	15	74	40	08	1.80
84	Buri ka Nangla	2.25	2.25	Inlet	7.4	172	200	402	78×10^{11}	35	4.06
				Outlet	7.5	28	37	125	22×10^3	3	3.21
85	Pilakhar Shahadara, Nunhai	10	10	Inlet	6.4	99	122	237	14×10^8	24	0.56
				Outlet	9.5	22	36	67	<1.8	< 0.01	<0.05
86	Dhandhupura	78	77.5	Inlet	7.3	107	220	317	45×10^5	23	1.88
				Outlet	9.4	9	48	36	<1.8	7	<0.05
87	Jaganpura, dayalbagh	14	14	Inlet	7.3	260	599	738	11×10^6	38	4.40
				Outlet	7.2	14	27	66	12×10^5	11	0.39
88	Devri	12	7.5	Inlet	7.7	125	233	362	45×10^6	14	2.33
				Outlet	7.5	20	29	80	33×10^5	12	2.23
89	Sadarvan Bichpuri	40	28	Inlet	7.1	266	579	523	14×10^6	31	3.13
				Outlet	7.4	18	50	46	28×10^5	15	1.96
90	Dhandhupura	24	18	Inlet	7.6	129	358	509	11×10^8	37	4.71
				Outlet	9.6	08	50	29	<1.8	3	<0.05
91	Sadarvan Bichpuri	36	16	Inlet	7.2	67	155	192	41×10^9	20	2.48
				Outlet	7.4	27	44	140	14×10^4	17	3.09
92	Kalindi Vihar	4.5	2.10	Inlet	7.3	105	298	326	92×10^{11}	30	3.01
				Outlet	6.9	13	41	93	<1.8	02	1.90
93	Laxmi Nagar	16	16	Inlet	7.4	313	888	1038	21×10^9	-	3.14
				Outlet	7.4	27	79	100	2	-	2.23
94	Masani	30	30	Inlet	7.3	238	385	782	27×10^{11}	-	1.54
				Outlet	7.6	19	25	84	<1.8	-	2.38
95	Pagal Baba	4	4	Inlet	7.3	113	74	267	40×10^8	-	2.54
				Outlet	8.8	20	102	142	<1.8	-	3.19
96	Mant Road	8	8	Inlet	7.2	148	421	425	20×10^9	-	1.86
				Outlet	7.6	84	35	179	68×10^4	-	3.89
97	Goverdhan	2.76	2	Inlet	7.4	70	169	150	68×10^7	-	4
				Outlet	7.8	100	138	428	14×10^5	-	1.45

Item No. 08 Court No. 1

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

Original Application No. 06/2012

Nizamuddin West Association Applicant

Versus

Union of India & Ors. Respondent(s)

Date of hearing: 17.10.2023

CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER

Respondent(s): Ms. Jyoti Mendiratta, Adv. for Govt. of NCT of Delhi
Mr. Raj Kumar, Adv. for CPCB
Mr. Narender Pal Singh, Adv with Mr. D.K. Singh, SEE, DPCC
Ms. Deeksha L. Kakar & Ms. Akansha Choudhary, Advs. for DDA
Mr. Rahul Khurana, Adv. for the State of Haryana & HSPCB
Mr. Pradeep Misra & Mr. Daleep Dhyani, Advs. for UPPCB (Through VC)
Ms. Richa Kapoor, Adv. for DJB (Through VC)

ORDER

1. The issue involved in this original application is about rejuvenation of river Yamuna. On the previous direction of the Tribunal, status reports on behalf of State of Haryana, GNCTD, CPCB, DJB have been filed. As per the status report filed, by DJB, the Jal Board officials are is in the process of holding a joint survey of the drain in the presence of all stakeholders to identify sources of sewage entering into the drain so as to take remedial action for ensuring sewage free drains. They have also indicated that substantial part of the drains have been trapped and at some points further action is awaited for which reasonable time of 6 months is sought. DJB have given the list of 11 drains of which 5 (one at Shiekh Sarai Phase-I, Khirki Extension, Panchsheel Vihar and Savitri Nagar and other four drains at Chirag Delhi Village) have been trapped so far and action for 6 are yet to be taken on ground. Even in respect of the trapped drains, it has not been disclosed as to where the waste water

of the trapped drains is diverted or going. Further the quantity of sewage and the sewage water quality has also not been disclosed.

2. As per the Status Report filed by Government of NCT of Delhi the water parameters are still not meeting the norms. The dissolved oxygen (DO) was not found in any location. Still several actions are to be taken which include trapping of all drains, 100% treatment of sewage, laying of sewage network in 1799 unauthorized colonies and 639 JJ Clusters, Industrial effluent management by 13 CETPs, fecal sludge (Septage) management, regulation of flood plain and utilization of treated waste water. Construction of STPs are still in progress and construction of 12 STPs have been held up on account of land issued. Upgradation of 18 STPs are in progress, the status of upgradation work for 11 STP as on September, 2023 ranges from 21% to 95% and for 7 STPs the work is yet to begin. Further for faecal sludge (septage) Management, "Delhi Water Board Septage Management Regulations 2018" were notified by the Urban Development Department on 12.11.2018. A 22 Km. stretch of Yamuna flood plains from Wazirabad Barrage to Okhla Barrage covering an area of about 1600 hectares is being taken up by DDA for restoration and rejuvenation.

3. As per the Status report filed by Government of Haryana, total quantity of effluent is 1461 MLD while 921 MLD is treated by 11 STPs and the balance, 540 MLD of untreated sewage is flowing into the River Yamuna. The status indicates that action plan has been prepared to treat 540 MLD of sewage will be by 31.03.2025. The works are in progress to bridge the gap. As per the water quality of river Yamuna in the Haryana State indicates high level of coliform.

"*14. Conclusion*

i. The overall water quality has improved in comparison to previous year though lot of work is yet to be done to achieve the objectives.

ii. The 11 drains carry 921 MLD treated and 540 MLD untreated effluent. As per action plan submitted the entire effluent likely to be treated by the year 2025.

iii. 23 STPs of 449 MLD capacity are under upgradation to achieve the latest standards and likely to be completed by Dec, 2025.

iv. State has been constructing infrastructure for reuse of treated sewage at 34 STPS of 479 MLD capacity and work for 1st STP considered in Phase-1 likely be completed by 15.06.2023 and work for all 9 STPs considered in phase-1 likely to be completed by 31.10.2025.

v. Work of treatment system (3/5 ponds) at 24 villages has been completed since the time of submitting previous report.

vi. Work of interception/diversion of sewage at 9 locations has been completed since the time of submitting previous report."

4. The CPCB has filed the report dated 16.10.2022 but the said report is not only cryptic but the facts and figures disclosed do not tally with the reports filed by the other authorities. A prayer has been made on behalf of CPCB to file a better comprehensive report before the next date.

5. So far as the State of UP is concerned, no report after the previous order of the Tribunal has been filed. Learned Counsel for the State seeks two weeks' time to file the report reflecting the action taken in the meanwhile. Let the fresh report be filed by all the concerned States/Authorities on or before the next date of hearing with clear indication as to how many drains have been totally trapped and number of remaining drains still discharging treated /untreated/partially treated waste water directly into River Yamuna affecting the water quality with respect to prescribed standards.

6. The situation with regard to cleaning of river Yamuna is far from satisfactory. The report submitted by all the above agencies seems to be deficit on the following issues.

i. Details of the drains discharging into the River Yamuna (both with treated waste water/untreated waste water). The details include the quantity and quality of the discharge water.

ii. Details of the STPs that have been constructed and operational to treat the waste water discharged from the above drains. The capacity of the existing STP and the quality of the treated waste water, if it is meeting the standards or not.

iii. Details of upgradation of the existing STPs.

iv. Details of those areas/colonies which have so far not been covered in the above scheme shall be furnished indicating timelines for laying down sewage network system to trap all the sewage generated from authorized and unauthorized colonies and linking to the main drain for treatment & disposal.

v. Measures/steps taken for utilization of the treated waste water for agriculture, horticulture, construction activities, dust mitigation and other non-contact purposes.

vi. Details of monitoring of the functioning of the STPs, water quality monitoring.

vii. Rejuvenation and restoration of the Yamuna River Flood Plain and the associated wetlands.

7. CPCB is directed to verify the facts and figures disclosed in the report placed on record by the States and the authorities and file a comprehensive report reflecting the correct position. CPCB will also place on record the material disclosing that the sewage treatment being done is accordance with the prescribed standards and also the details of the proposed activities for the treatment of sewage/effluent.

8. List this matter on 07.12.2023.

Prakash Shrivastava, CP

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

October 17, 2023
Original Application No. 06/2012
JG