

Item No. 12

Court No. 2

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

Original Application No. 310/2022

Kamlesh Singh

Applicant

Versus

State of UP

Respondent

Date of hearing: 01.07.2024

**CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
HON'BLE MR. JUSTICE ARUN KUMAR TYAGI, JUDICIAL MEMBER
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER**

Respondent: Mr. Ankit Verma, Adv. with Mr. Surendar Singh, Project Manager, UP Jal Nigam (Rural), Prayagraj, UP

Mr. Gigi. C. George, Adv. for NMCG (Through VC)

ORDER

1. In this original application the grievance relates to discharge of sewage into the river Ganga and Yamuna and the consequential pollution in the River especially in reference to the Kumbh Mela which is to be organized in 2024-25.

2. In terms of the directions of the Tribunal, the report of the joint Committee dated 20.05.2024 has been filed. The said report contains the details of the untapped drains joining river Ganga and Yamuna, the details of the tapped drains, STPs with their capacity utilization, the sewage network and the gap analysis in following terms:-

“Inspection of drains

The Joint Committee has inspected total 81 drains & collected the samples from the all untapped drains to evaluate the characteristics

as well as pollution load meeting to respective river. Similarly, the flow of the all the untapped drains was measured continuously for 7 days using appropriate device (V-Notch). The details of untapped drains is tabulated in Table - 1. The flow measurement details are annexed as Annexure – 2 & test reports are annexed as Annexure – 3 for reference.

TABLE-1: Details of Untapped drains joining river Ganga & Yamuna

Sr. No.	Name of Drain	River	Flow in MLD (April)	As per Test Report of UPPCB (Peak Hour)		As per Test Report of UPPCB (Lean Hour)		Pollution Load due to Untapped Drains during Peak Hour		Pollution Load due to Untapped Drains during Lean Hour		Average Pollution Load due to Untapped Drains	
				BOD (mg/l)	TSS (mg/l)	BOD (mg/l)	TSS (mg/l)	BOD (kg/d)	TSS (kg/d)	BOD (kg/d)	TSS (kg/d)	BOD (kg/d)	TSS (kg/d)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Dariyabad Kakahraghat Drain Meerapur	Yamuna	2.113	68	120	60	114	143.68	253.56	126.78	240.88	135.23	247.22
2	Dariyabad Pipalghat Drain	Yamuna	0.120	66	127	58	123	7.92	15.24	6.96	14.76	7.44	15.00
3	Salori Drain (Partially)	Ganga	8.783	76	100	62	68	667.51	878.30	544.55	597.24	606.03	737.77
4	Shivkuti Drain No. 1	Ganga	1.192	72	98	58	72	85.82	116.82	69.14	85.82	77.48	101.32
5	Shivkuti Drain No. 2	Ganga	0.162	66	90	55	64	10.69	14.58	8.91	10.37	9.80	12.47
6	Shivkuti Drain No. 3 (North)	Ganga	0.218	68	96	54	78	14.82	20.93	11.77	17.00	13.30	18.97
7	Shivkuti Drain No. 4	Ganga	0.278	70	100	64	84	19.46	27.80	17.79	23.35	18.63	25.58
8	Shivkuti Drain No. 5	Ganga	0.320	76	106	58	84	24.32	33.92	18.56	26.88	21.44	30.40
9	Shivkuti Drain No. 6	Ganga	0.275	70	88	62	70	19.25	24.20	17.05	19.25	18.15	21.73

Sr. No.	Name of Drain	River	Flow in MLD (April)	As per Test Report of UPPCB (Peak Hour)		As per Test Report of UPPCB (Lean Hour)		Pollution Load due to Untapped Drains during Peak Hour		Pollution Load due to Untapped Drains during Lean Hour		Average Pollution Load due to Untapped Drains	
				BOD (mg/l)	TSS (mg/l)	BOD (mg/l)	TSS (mg/l)	BOD (kg/d)	TSS (kg/d)	BOD (kg/d)	TSS (kg/d)	BOD (kg/d)	TSS (kg/d)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
10	Shivkuti Drain No. 7 (East)	Ganga	0.767	78	106	64	79	59.83	81.30	49.09	60.59	54.46	70.95
11	Govindpur Colony Drain (Purani Basti)	Ganga	0.218	79	120	66	94	17.22	26.16	14.39	20.49	15.81	23.33
12	Govindpur Colony Drain No. 1	Ganga	0.275	78	100	65	86	21.45	27.50	17.88	23.65	19.66	25.58
13	Govindpur Colony Drain No. 2	Ganga	0.323	72	124	68	98	23.26	40.05	21.96	31.65	22.61	35.85
14	Govindpur Colony Drain No. 3	Ganga	0.162	78	120	69	90	12.64	19.44	11.18	14.58	11.91	17.01
15	Govindpur Colony Drain No. 4	Ganga	0.271	70	98	66	78	18.97	26.56	17.89	21.14	18.43	23.85
16	Jondhwal	Ganga	6.753	64	101	60	93	432.19	682.05	405.18	628.03	418.69	655.04
17	Drain17 Shankarghat	Ganga	0.444	72	97	62	92	31.97	43.07	27.53	40.85	29.75	41.96
18	Shankarghat Drain -02	Ganga	0.946	70	84	60	81	66.22	79.46	56.76	76.63	61.49	78.05
19	A.D.A. Colony Drain /	Ganga	4.277	70	94	68	92	299.39	402.04	290.84	393.48	295.11	397.76

20	Shankarghat Colony Drain (Near Phaphamau Bridge)	Ganga	0.951	64	90	58	82	60.86	85.59	55.16	77.98	58.01	81.79
21	Rajapur Drain	Ganga	27.166	70	88	62	84	1901.62	2390.61	1684.29	2281.94	1792.96	2336.28
22	Sadar Bazar		4.787	66	114	62	102	315.94	545.72	296.79	488.27	306.37	517.00
23	Nehru Park Nala	Ganga	2.719	62	87	58	83	168.58	236.55	157.70	225.68	163.14	231.12
24	Yadavpur drain	Ganga	0.651	70	98	62	94	45.57	63.80	40.36	61.19	42.97	62.50
25	Dariyabad Jogighat Drain Meerapur	Yamuna	0.510	76	106	70	98	38.76	54.06	35.70	49.98	37.23	52.02
26	Balua ghat JCC Backside	Yamuna	0.150	78	124	74	116	11.70	18.60	11.10	17.40	11.40	18.00
27	Drain near Chachar Drain/Bargad Ghat Meerapur	Yamuna	0.190	72	102	66	95	13.68	19.38	12.54	18.05	13.11	18.72
28	Ghaghar Drain 1-A / Sadiyapur Drain	Yamuna	0.260	76	116	70	110	19.76	30.16	18.20	28.60	18.98	29.38
29	Ghaghar Drain 1-A1	Yamuna	0.210	70	97	62	93	14.70	20.37	13.02	19.53	13.86	19.95
30	Ghaghar Drain 1-B/Harshvardhan Drain	Yamuna	0.100	72	100	68	94	7.20	10.00	6.80	9.40	7.00	9.70

Sr. No.	Name of Drain	River	Flow in MLD (April)	As per Test Report of UPPCB (Peak Hour)		As per Test Report of UPPCB (Lean Hour)		Pollution Load due to Untapped Drains during Peak Hour		Pollution Load due to Untapped Drains during Lean Hour		Average Pollution Load due to Untapped Drains	
				BOD (mg/l)	TSS (mg/l)	BOD (mg/l)	TSS (mg/l)	BOD (kg/d)	TSS (kg/d)	BOD (kg/d)	TSS (kg/d)	BOD (kg/d)	TSS (kg/d)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
31	Indira Awas Drain / Jai Gurudev Ashram Drain	Ganga	1.190	62	102	60	100	73.78	121.38	71.40	119.00	72.59	120.19
32	Mahewa Pasi Tola Drain No. 1	Yamuna	0.720	80	100	72	84	57.60	72.00	51.84	60.48	54.72	66.24
33	Mahewa Pasi Tola Drain No. 2	Yamuna	0.410	76	98	64	72	31.16	40.18	26.24	29.52	28.70	34.85
34	Mahewa Pasi Tola Drain No. 3	Yamuna	0.620	82	106	72	88	50.84	65.72	44.64	54.56	47.74	60.14
35	Mahewa Pasi Tola Drain No. 4	Yamuna	0.310	79	96	65	84	24.49	29.76	20.15	26.04	22.32	27.90
36	Mahewa Pasi Tola Drain No. 5	Yamuna	0.410	76	79	68	64	31.16	32.39	27.88	26.24	29.52	29.32
37	Baretha/Kashipur	Ganga	1.050	70	120	62	106	73.50	126.00	65.10	111.30	69.30	118.65
38	3 small drain near mahewa ghat	Yamuna	2.111	78	105	64	80	164.66	221.66	135.10	168.88	149.88	195.27
39	Gokula Drain	Ganga	1.220	81	97	65	66	98.82	118.34	79.30	80.52	89.06	99.43
40	Baswar	Yamuna	0.170	76	120	62	96	12.92	20.40	10.54	16.32	11.73	18.36
41	Madauka	Yamuna	0	-	-	-	-	-	-	-	-	-	-
42	Co-operative drain	Ganga	0	-	-	-	-	-	-	-	-	-	-
43	Fort Drain no.	Yamuna	0	-	-	-	-	-	-	-	-	-	-
44	Fort Drain no.	Yamuna	0	-	-	-	-	-	-	-	-	-	-

	Total		73.80				5193.91	7135.6	4598.0	6317.5	4895.9	6726.6
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Presently these untapped drains are being treated by Bioremediation method. The Joint Committee has also inspected total 37 tapped drains. Flow of all the tapped drains were diverted to related STP's for treatment. The details of tapped drains is tabulated in **Table -2**.

TABLE-2: Details of Tapped drains joining river Ganga & Yamuna

S. No.	Name of Drains	RIVER	Flow (MLD) April, 2024	Diverted & treated on
1	2	3	4	5
1	Chachar Drain	Yamuna	25.70	80 MLD Naini – I STP
2	Drain at Gate No. 9	Yamuna	2.21	
3	Drain at Gate No. 13	Yamuna	2.03	
4	Sasur Khaderi Drain	Yamuna	18.50	50 MLD Numayadahi STP
5	Main Ghaghar Drain	Yamuna	26.58	
6	Karela Bagh Drain	Yamuna	0.61	
S.	Name of Drains	RIVER	Flow (MLD)	
7	Karela Bagh Drain A-1	Yamuna	0.75	
8	Karela Bagh Drain A-2	Yamuna	0.74	
9	Chilla Drain	Ganga	1.23	
10	Allenganj Nala / Buxi Bund Drain	Ganga	20.56	
	Salori Drain (Partially Tapped)	Ganga	11.30	
11	Mehdauri Gaon Drain	Ganga	1.48	
12	Rasulabad Puccaghat Drain	Ganga	1.63	
13	Jondhwal Rasulabad Drain (Murdaghat)	Ganga	1.58	
14	Jondhwal Ghat Drain/Chhuhara Mandir	Ganga	1.38	
15	Morigate Drain	Ganga	8.46	
16	Drains of Daraganj Area	Ganga	2.11	
17	Mumfordganj Drain	Ganga	10.56	
18	Ponghat Nala	Ganga	7.71	
19	Kodra Nala	Ganga	13.36	
20	Shantipuram Drain	Ganga	4.69	
21	Basna Drain	Ganga	4.62	
22	Mawaiya Nala	Yamuna	29.97	
23	Mahewa Ghat Drain No. 1	Yamuna	0.75	
24	Mahewa Ghat Drain No. 2	Yamuna	0.42	
25	Mahewa Ghat Drain No. 3	Yamuna	0.61	
26	Arail Drain No. 2 (Kharkauni drain)	Yamuna	3.31	
27	Sachcha Baba Ashram Drain	Yamuna	1.49	
28	Near Arail Ghat	Yamuna	0.21	
29	5 small drains near Gangoli Shivala Drain (Augarwa)	Ganga	1.02	
30	Dham Drain	Ganga	0.44	
31	Shastri Bridge Drain (inc. 3 small drains)	Ganga	0.64	
32	Triveni Marg Drain I	Ganga	1.15	
33	Triveni Marg Drain II	Ganga	0.62	
34	Ulta Quila I	Ganga	0.33	
35	Ulta Quila II	Ganga	0.26	
36	Lotey Haren/Havelia Nala	Ganga	6.53	
37	Lakkar Drain	Ganga	0.63	
		Total	216.17	

Inspection of STP's

The Joint Committee has also inspected all the 10 STP's for assessment of utilization capacity & its performance. Out of these, 9 STP's are being operated & maintained by M/s Prayagraj Water Private ltd. & 1 STP is being operated & maintained by M/s Toshiba Water Solutions Pvt. Ltd. During inspection, the inlet as well as outlet sample were collected from all STP's for the performance as well

as compliance verification. The summary of STP's is tabulated in **Table – 3** and the detail inspection report is annexed as **Annexure – 4** for reference.

TABLE-3: Details of STP's Utilization capacity & it's functioning/Performance

S. No.	Sewerage District	Name of STPs	Name of Technology	Year of Commissioning	Design Capacity (in mld)	Utilized (in %)	Functioning/Performance
1	2	3	4	5	6	7	8
1	A	80 MLD Naini-I	Activated Sludge Process	1998	80	100 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
2	B	50 MLD Numayadahi	Bio Tower + Activated Sludge Process	2013	50	100 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
3	C	29 MLD Salori 1	Fluidized Aerobic Bed Reactor	2007	29	100 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
4		14 MLD Salori 2	Sequential Batch Reactor	2016	14	100 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
5	D	60 MLD Rajapur	Upflow Anaerobic Sludge Blanket Reactor	2013	60	100 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
6	E	25 MLD Kodra	Bio Tower + Activated Sludge Process	2013	25	100 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
7		10 MLD Ponghat	Bio Tower + Activated Sludge Process	2013	10	100 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
8	F	14 MLD Phaphamau	Food Chain Reactor	2023	14	100 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
9	G	42 MLD Naini-II	Food Chain Reactor	2023	42	85 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
10	i	16 MLD Jhunsi	Food Chain Reactor	2023	16	90 %	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
		Total			340		

Sewerage Network, House connection & septage management in mela area

According to Topographical Condition, Prayagraj City has been divided in 8 Sewerage district and sewerage network has been laid in these areas under various projects, summary of the same is tabulated in **Table – 4**.

TABLE-4: Details of Sewerage Network and Sewer house Connection

S. No.	Sewerage District	Sewerage Network details			Sewer House connection details		
		Total Road Length (km)	Total length of the Laid sewer line (km)	Sewer Line to be laid (km)	Total House hold projection (year 2025)	Connected House Hold (Nos.)	House Connection to be connected with Sewerage System
1	2	3	4	5	6	7	8
1	A	310.38	305.00	5.38	54819	53263	1556
2	B	221.91	213.71	8.20	48602	43661	4941
3	C	222.47	220.04	2.43	29145	28097	1048
		Sewerage Network details			Sewer House connection details		

		Total Road Length (km)	Total length of the Laid sewer line (km)	Sewer Line to be laid (km)	Total House hold projection (year 2025)	Connected House Hold (Nos.)	House Connection to be connected with Sewerage System
1	2	3	4	5	6	7	8
4	D	536.17	505.00	31.17	61905	42812	19093
5	E	181.10	157.60	23.50	39195	31375	7820
6	F (inc. Extended Area)	286.00	40.00	246.00	16859	4756	12103
7	G (inc. Extended Area)	728.00	0.00	728.00	45000	0	45000
8	Jhunsi (inc. Extended Area)	686.00	0.00	686.00	34593	0	40345
9	B & E Extended Area	336.00	0.00	336.00	24550	0	34550
	Total	3508.03	1441.35	2066.68	370420	203964	166456

For Scarcely populated extended areas of Nagar Nigam Prayagraj, treatment of faecal sludge / Septage will be done at following Faecal Sludge Co-Treatment Plants constructed/under construction at existing Sewage Treatment facilities.

1. 100 KLD Faecal Sludge (Co-Treatment) Plant at Naini.
2. 50 KLD Faecal Sludge (Co-Treatment) Plant at Jhunsi.
3. 50 KLD Faecal Sludge (Co-Treatment) Plant at Salori.

The faecal sludge generated in Mela area from toilets is transported through cesspool vehicles and treated at Existing Permanent STPs in the city and temporary STPs usually Constructed in Mela area.

The grey waste water generated from washing hands, Kitchen etc. having very less BOD is collected in various ponds constructed in mela area and the treatment is done by bioremediation method to make the mela vicinity odour free. The detail plan is attached as **Annexure - 5** for reference.

Gap Analysis

Details regarding Gap Analysis in Sewerage Network, House Connection and action plan for the same is also attached as **Annexure - 5** for reference.

The total sewage through sewerage network received at all 10 STP's is around **178. 31 MLD**, summary of the same is tabulated in **Table - 5**

TABLE-5: Details of Sewage Generation

S. No.	Sewerage district	Nos. of Drains				Total Flow Received at STP in the month April - 2024	Source of Sewage Generation			
		Tapped	Untapped (to be tapped)	Untapped (tapping is not Required)*	Total		Tapped Drains	Untapped Drains	Sewerage Network (Col. 7 – Col. 8)	Total

1	2	3	4	5	6	7	8	9	10	11
1	A	3	8	2	13	106.30	29.94	3.65	76.36	109.95
2	B	5	0	0	5	57.04	47.18	0.00	9.86	57.04
3	C	2	13	0	15	51.25	33.09	13.24	18.16	64.49
4	D	7	7	0	14	73.88	27.20	45.32	46.68	119.20
5	E	2	3	0	5	41.30	21.07	4.42	20.23	45.72
6	F	2	1	1	4	16.33	9.31	1.19	7.02	17.52
7	G	7	7	1	15	36.76	36.76	4.75	0.00	41.51
8	Jhunsi	9	0	1	10	11.62	11.62	1.22	0.00	12.84
	Total	37	39	5	81	394.48	216.17	73.80	178.31	468.28
Hence, Total Sewage Generation in City by 81 Nos. Drains + sewerage network								468.28	MLD	

*1. Tapping of 2 drains of Sewerage District A and 1 drain of Sewerage District F is not required due to Dry weather flow of these drain is zero.

2. Tapping of 1 drain of Sewerage District G and 1 drain of Sewerage District Jhunsi is not required due to low flow & low organic load of drains, However Possibility of tapping & treatment of these drains are being explored.

Gap Analysis

As mentioned above there are 81 drains having total discharge 289.97 MLD (Tapped + Untapped) & sewage receive through sewerage network at all 10 STP's is 178.31 MLD. So, total sewage generation in Prayagraj city is 468.28 MLD (Drains + Sewerage Network) and installed capacity of STP's is 340 MLD. Summary of sewage generation is tabulated in **Table - 6** and the summary of gap for tapping of drains is tabulated in **Table - 7**.

TABLE-6: Summary of Gap in Sewage Generation

S. No.	Source of sewage	Discharge (MLD)	Remarks
1	Drains (Untapped)	73.80	Total from TABLE - 1
2	Drains (Tapped)	216.17	Total from TABLE - 2
3	Sewerage Network	178.31	Total from TABLE - 5
	Total	468.28	
	Installed Capacity of STP's	340.00	Total from TABLE - 3
	Gap in treatment capacity	128. 28	

TABLE-7: Summary of Gap in Drains Tapping

S. No.	Tapped/Untapped Drains	Nos.	Discharge (MLD)
1	Total Drains	81	289.97
2	Tapped Drains	37	216.17
3	Untapped drains	44	73.80

The gap in treatment capacity is around 128 MLD & Nos. of untapped drains is 44 as mentioned in **Table 6** & **Table 7** respectively. On the basis of reports provided by concerned departments, action plan for the treatment of remaining waste water & tapping of untapped drains is tabulated in **Table - 8**.

TABLE-8: Action plan for treatment of remaining waste water & tapping of untapped drains

S. No.	Action Plan	Nos of drains for tapping	Discharge (MLD)	Capacity of Proposed STP (MLD)
1	2	3	4	5
A	Projects Sanctioned under Namami Gange Programme			
1	Interception and Diversion of 7 Drains and Augmentation of Rajapur STP Capacity by 90 MLD- For Execution of work E-Tender was invited, which Financial Bid Evaluation Report is under review at NMCG, New Delhi. After issuance of LOA the execution work shall be completed in 18 months.	7	45.32	90
2	Interception and Diversion of 13 Drains and Augmentation of Salori STP Capacity by 43 MLD - The work is awarded and is under progress. Date of start is 19.03.2024 and Date of Completion is 18.08.2025.	13	13.24	43
3	Interception and Diversion of 02 Drains and Augmentation of Naini-1 STP Capacity by 50 MLD- For Execution of work E-Tender was invited, which Technical Bid Evaluation Report is under review. After issuance of LOA the execution work shall be completed in 16 months.	2	2.24	50
	Sub Total - A	22	60.80	183
B	Projects Sanctioned under Mahakumbh - 2025 Programme			
1	Interception and Diversion of 02 Drains :- Work is under progress under Mahakumbh-2025 Program. This is expected that execution work shall be completed in September, 2024.	2	3.37	After tapping, these drains will be treated at existing STP's.
2	Interception and Diversion of Jai Guru Dev drain :- Work is under progress under Mahakumbh-2025 Program. This is expected that execution work shall be completed in September, 2024.	1	1.19	
3	Interception and Diversion of 6 no. drains of Mahewa, 4.14 MLD & 1.83 MLD SPS :- Work is under progress under Mahakumbh-2025 Program. This is expected that execution work shall be completed in November, 2024.	6	4.58	
4	Interception and Diversion of Madauka drain & 4.71 MLD SPS: - Work is under progress under Mahakumbh-2025 Program. This is expected that execution work shall be completed in November, 2024. <i>(Note :- This drain is under construction, present flow is zero but after construction of the drain flow shall be received.)</i>	1	0	
5	Interception and Diversion of Kashipur drain & 1.52 MLD SPS: - Work is under progress under Mahakumbh-2025 Program. This is expected that execution work shall be completed in November, 2024	1	1.05	
6	Interception and diversion of 6 no. drains of Balughat area and 1.75 MLD SPS:- Work is under progress under Mahakumbh – 2025 Program. This is expected that execution work shall be completed in November, 2024	6	1.42	
	Sub Total B	17	11.61	183
	Total (A+B)	39	72.41	
C	Tapping not required			
1	Dry weather flow zero	3	0	
2.	Drains having low flow and low organic load (possibility of tapping & treatment is being explored)	2	1.39	
	Sub Total B	5	1.39	
	Grand Total (A+B)	44	73.80	183

The gap in treatment capacity will be met out after the construction of newly proposed 3 no. STP's having total capacity of 183 MLD & untapped drains will be tapped under various projects mentioned in Table— 8.

Recommendation

The completion time for the works of tapping of 22 drains (60.80 MLD) proposed under Namami Gange Programme is going beyond Mahakumbh-2025 period. Therefore, considering the pollution potential during Mahakumbh- 2025 and to maintain river water quality for the pilgrimage it is proposed to treat the waste water of these untapped drains through Advance Oxidation Process/Geo synthetic dewatering tube modular dosing system/Geo Tube Method. This method has already been used during the Kumbh mela — 2019 & the result was quite satisfactory. This method is already under implementation in Varanasi to treat excess waste water of Assi nala, sanctioned by NMCU, New Delhi. In continuation to this, a proposal is submitted to NMCG, New Delhi for approval, which is likely to be approved by June, 2024.”

3. A perusal of the above report clearly reveals that there are as many as 44 untapped drains which are discharging untreated sewage water in river Ganga. The report further reveals that there are total 81 drains in the city and these 81 drains are discharging 289.97 MLD of sewage and that the sewage received through sewerage network in the existing 10 STPs is 178.31 MLD. The untapped drains are discharging 73.80 MLD and the gap in the treatment capacity is 128.28 MLD.

4. Submission of counsel for the State of UP is that there are 3 STPs of 90, 43 and 50 MLD capacity which are in process of being setup to the cover gap. But a perusal of table 8 above indicates that in respect of 90 MLD STPs and 50 MLD STP even bid has not been finalized and the contract is at the tender stage. In respect of 43 MLD proposed STP the work has started on 19.03.2024.

5. The report does not reflect that during the forthcoming Kumbh Mela any effective progress will be made to prevent the discharge of 73.80 MLD untreated sewage in river Ganga through the untapped drains which are 44 in number.

6. We have also noticed following shortcomings/deficiencies in the report;

- (i) Against the installed capacity of 340 MLD of 10 STPs, sewage received in 10 STPs is 394.48 MLD and therefore it needs to be clarified as to how excess fed sewage gets treated and meets the standards.
- (ii) 1,66,456 households are yet to be connected therefore, how much further sewage will be conveyed to existing or proposed STPs. Further, tapped drains have intermediate or main pumping stations to send sewage to STPs or through closed conduit system.
- (iii) Standards for compliance particularly for faecal coliform, is to be as per directions of the Tribunal dated 30.04.2019 in O.A. No. 1069/2018, Nitin Shankar Deshpande v. UOI.

7. Learned counsel for the State submits that out of these 44 untapped drains 17 will be tapped and connected to the existing STP by November, 2024. Learned counsel for the State referring to the table 8 above has submitted that after tapping of the 17 untapped drains 11.61 MLD of sewage will be diverted to the STP for treatment.

8. Having regard to the fact that pilgrims/visitors of the Kumbh Mela will be taking bath in river Ganga/Yamuna and will be using their water for drinking etc. we are of the view that all possible effective and expeditious steps are required to be taken and a time bound action plan is required to be prepared to ensure minimum discharge/stoppage of discharge of sewage in river Ganga/Yamuna before the commencement of the Kumbh Mela. Hence, we grant further eight weeks' time to the State

of UP to file a further report reflecting the progress in this direction and closing their bid the time bound action plan as mentioned above. The concerned Authorities will ensure that the water quality of rivers is maintained to the level of drinking quality and its suitability is displayed to pilgrims/visitors of the Kumbh Mela at various bathing ghats.

9. List on 23.09.2024.

Prakash Shrivastava, CP

Arun Kumar Tyagi, JM

Dr. A. Senthil Vel, EM

July 01, 2024
Original Application No. 310/2022
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