BEFORE THE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

IN

ORIGINAL APPLICATION NO. 310 OF 2022

IN THE MATTER OF:

Kamlesh Singh ....Applicant

Versus

State of UP.... Respondent(s)

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AFFIDAVIT OF PRINCIPAL SECRETARY ENVIRONMENT FOREST AND CLIMATE CHANGE DEPARTMENT STATE OF UTTAR PRADESH IN COMPLIANCE OF ORDER DATED 09.12.2024 PASSED BY THIS HON'BLE TRIBUNAL

The Respondent Herein states as under

MOST RESPECTFULLY SHOWETH:

I, Anil Kumar age about 50 years, presently posted as Principal Secretary Environment Forest And Climate Change Department State of Uttar Pradesh, the deponent, do hereby solemnly state and affirm as under: -

1. That I am above mentioned authorized officer of the answering Respondent and is duly competent to file the present affidavit. That the Deponent is well conversant with the facts and the circumstance of the instant case and is competent to swear this affidavit.

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2. That the Deponent has read and understood the contents of the present affidavit. The averments made in the Original Application which are not specifically admitted hereunder must be considered to have been denied by the Deponent.

3. That the deponent is posted as Principal Secretary Environment Forest and Climate Change Department State of Uttar Pradesh since November 2024. The Deponent is filing this affidavit on the basis of information provided by the Namami Gange Department, Government of Uttar Pradesh.

4. That the UP Jal Nigam (Rural) has informed that in presently 471.90 MLD Sewage is generated in Prayagraj - (293.59 MLD through drains and 178.31 MLD through Sewer Network). As per topographical condition city has been divided into 8 Sewerage District. A copy of detailed report submitted by the U.P. Jal Nigam (Rural) is being annexed herewith and marked as **Annexure R-1.** District wise Sewage Generation Details are as under: -

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Details of Sewage Generation

S. No.	Sewerage district	Nos. of Drains				Total Flow Received at STP	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	109.9
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	64.4
4	D	7	7	0	14	73.88	27.20	45.32	46.68	119.2
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	8.37	0.00	45.13
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**	**77.42**	**178.31**	**471.9**
Hence, Total Sewage Generation in City by 81 Nos. Drains + sewerage network								**471.90**	**MLD**	

5. That During Mahakumbh-2025 due to floating population, the sewage generation is estimated to be increased by 10% of the present flow. The expected flow during Mahakumbh is estimated based on increase in flow during previous Magh Mela period. The projected flow may be around 519.09 MLD (322.95 MLD through drains and 196.14 MLD through Sewer Network.

6. That the treatment of flow during Mahakumbh- 2025 shall be done in following manner: -

   a. At existing STPs – 450.68 MLD
   b. Through onsite treatment– 68.41 MLD

Status of Drains

7. That there are total 81 drains joining Ganga & Yamuna River out of which 37 drains are tapped into existing STPs while 44 drains are untapped. The name, tapping status, tapping plan for untapped, present flow & expected flow of all the drains during Mahakumbh- 2025 are tabulated below: -

(A) Tapped drains joining river Ganga & Yamuna

S. No.	Name of Drains	RIVER	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Diverted & treated on STP
1	2	3	4	5	6
1	Chachar Drain	Yamuna	25.70	28.27	80 MLD Naini – I STP
2	Drain at Gate No. 9	Yamuna	2.21	2.43	
3	Drain at Gate No. 13	Yamuna	2.03	2.23	
4	SasurKhaderi Drain	Yamuna	18.50	20.35	50 MLD

S. No.	Name of Drains	RIVER	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Diverted & treated on STP
1	2	3	4	5	6
5	Main Ghaghar Drain	Yamuna	26.58	29.24	Numayadahi STP
6	KarelaBagh Drain	Yamuna	0.61	0.67	
7	KarelaBagh Drain A-1	Yamuna	0.75	0.83	
8	KarelaBagh Drain A-2	Yamuna	0.74	0.81	
9	Chilla Drain	Ganga	1.23	1.35	29 and 14 MLD Salori STP
10	Allenganj Nala / Buxi Bund Drain	Ganga	20.56	22.62	
	Salori Drain (Partially Tapped)	Ganga	11.30	12.43	
11	MehdauriGaon Drain	Ganga	1.48	1.63	60 MLD Rajapur STP
12	RasulabadPuccaghat Drain	Ganga	1.63	1.79	
13	JondhwalRasulabad Drain (Murdaghat)	Ganga	1.58	1.74	
14	JondhwalGhat Drain/ChhuharaMandir	Ganga	1.38	1.52	
15	Morigate Drain	Ganga	8.46	9.31	
16	Drains of Daraganj Area	Ganga	2.11	2.32	
17	Mumfordganj Drain	Ganga	10.56	11.62	
18	Ponghat Nala	Ganga	7.71	8.48	10 MLD Ponghat STP
19	Kodra Nala	Ganga	13.36	14.70	25 MLD Kodra STP
20	Shantipuram Drain	Ganga	4.69	5.16	14 MLD Phaphamau STP
21	Basna Drain	Ganga	4.62	5.08	
22	Mawaiya Nala	Yamuna	29.97	32.97	42 MLD Naini – II STP
23	MahewaGhat Drain No. 1	Yamuna	0.75	0.83	
24	MahewaGhat Drain No. 2	Yamuna	0.42	0.46	
25	MahewaGhat Drain No. 3	Yamuna	0.61	0.67	
26	Arail Drain No. 2 (Kharkauni drain)	Yamuna	3.31	3.64	
27	Sachcha Baba Ashram Drain	Yamuna	1.49	1.64	
28	Near ArailGhat	Yamuna	0.21	0.23	
29	5 small drains near GangoliShivala Drain (Augharwa Nala, BholaMandirNala,GangoliShivala Nala I, GangoliShivala Nala II, Savitri Nagar Nala)	Ganga	1.02	1.12	16 MLD Jhunsi STP
30	Dham Drain	Ganga	0.44	0.48	
31	Shastri Bridge Drain (inc. 3 small drains)	Ganga	0.64	0.70	
32	Triveni Marg Drain I	Ganga	1.15	1.27	

S. No.	Name of Drains	RIVER	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Diverted & treated on STP
1	2	3	4	5	6
33	Triveni Marg Drain II	Ganga	0.62	0.68	
34	UltaQuila I	Ganga	0.33	0.36	
35	UltaQuila II	Ganga	0.26	0.29	
36	LoteyHaren/Havelia Nala	Ganga	6.53	7.18	
37	Lakkar Drain	Ganga	0.63	0.69	
	Total		**216.17**	**237.79**	

(B) Untapped drains joining river Ganga & Yamuna

Sr. No.	Name of Drain	River	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Name of STP at which flow to be Diverted & treated	Remarks /Interim Measure
1	2	3	4	5	6	7
1	DariyabadKakahraghat Drain Meerapur	Yamuna	2.113	2.32	**50 MLD Naini-III** (LOA has been issued to the firm on dated 25.11.2024 and execution work shall be completed in 16 months from date of start.)	In view of upcoming Mahakumbh-2025 flow of these drains shall be pumped into existing BargadGhat SPS and same shall be treated at 80 MLD Naini-I STP for which work is being done by UP Jal Nigam (Urban) and this is expected that work shall be commissioned by 31.12.2024.
2	DariyabadPipalghat Drain	Yamuna	0.120	0.13		
3	Salori Drain (Partialy)	Ganga	8.783	9.66	**Under Construction 43 MLD Salori** (Current progress of work is 30%	In view of upcoming Mahakumbh-2025 flow of these drains shall be
4	Shivkuti Drain No. 1	Ganga	1.192	1.31		
5	Shivkuti Drain No. 2	Ganga	0.162	0.18		
6	Shivkuti Drain No. 3 (North)	Ganga	0.218	0.24		

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Sr. No.	Name of Drain	River	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Name of STP at which flow to be Diverted & treated	Remarks /Interim Measure
1	2	3	4	5	6	7
7	Shivkuti Drain No. 4	Ganga	0.278	0.31	and as per schedule, work shall be commissioned by August, 2025)	treated through onsite method i.e., Advance Oxidation Process/Geo Synthetic Dewatering Tube Modular Dosing System/Geo Tube Method for which work is being done by UP Jal Nigam (Urban) and this is expected that work shall be commissioned by 31.12.2024
8	Shivkuti Drain No. 5	Ganga	0.320	0.35		
9	Shivkuti Drain No. 6	Ganga	0.275	0.30		
10	Shivkuti Drain No. 7 (East)	Ganga	0.767	0.84		
11	Govindpur Colony Drain (PuraniBasti)	Ganga	0.218	0.24		
12	Govindpur Colony Drain No. 1	Ganga	0.275	0.30		
13	Govindpur Colony Drain No. 2	Ganga	0.323	0.36		
14	Govindpur Colony Drain No. 3	Ganga	0.162	0.18		
15	Govindpur Colony Drain No. 4	Ganga	0.271	0.30		
16	Jondhwal Drain	Ganga	6.753	7.43	**Under Construction 90 MLD Rajapur** (Current progress of work is 6% and as per schedule, work shall be commissioned by February, 2026)	
17	Shankarghat Drain -01	Ganga	0.444	0.49		
18	Shankarghat Drain -02	Ganga	0.946	1.04		
19	A.D.A. Colony Drain / Jwaladevi	Ganga	4.277	4.70		
20	Shankarghat Colony Drain (Near Phaphamau Bridge)	Ganga	0.951	1.05		
21	Rajapur Drain	Ganga	27.166	29.88		
22	Sadar Bazar Drain	Ganga	4.787	5.27		
23	Nehru Park Nala	Ganga	2.719	2.99	25 MLD Kodra	01 Drain has been tapped and under trial & run while 01 Drain will be tapped by 31.12.2024 by UP Jal Nigam (Urban)
24	Yadavpur drain	Ganga	0.651	0.72		
25	DariyabadJogighat Drain Meerapur	Yamuna	0.510	0.56	80 MLD Naini-I	For tapping of these drains work is under progress by UP Jal Nigam (Rural) and this is expected that work shall be commissioned by
26	Baluaghat JCC Backside	Yamuna	0.150	0.17		
27	Drain near Chachar Drain/BargadGhatMeerapur	Yamuna	0.190	0.21		
28	Ghaghar Drain 1-A / Sadiyapur Drain	Yamuna	0.260	0.29		
29	Ghaghar Drain 1-A1	Yamuna	0.210	0.23		
30	Ghaghar Drain 1-B/Harshvardhan Drain	Yamuna	0.100	0.11		

Sr. No.	Name of Drain	River	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Name of STP at which flow to be Diverted & treated	Remarks /Interim Measure
1	2	3	4	5	6	7
						31.12.2024.
31	Indira Awas Drain / Jai Gurudev Ashram Drain	Ganga	1.190	1.31	14 MLD Phaphamau	The work is under trial & run since 04.12.2024
32	MahewaPasiTola Drain No. 1	Yamuna	0.720	0.79	42 MLD Naini-II	The work is under trial & run since 04.12.2024
33	MahewaPasiTola Drain No. 2	Yamuna	0.410	0.45		
34	MahewaPasiTola Drain No. 3	Yamuna	0.620	0.68		
35	MahewaPasiTola Drain No. 4	Yamuna	0.310	0.34		
36	MahewaPasiTola Drain No. 5	Yamuna	0.410	0.45		
37	3 small drain near mahewaghat	Yamuna	2.111	2.32	80 MLD Naini-I	
38	Baretha/Kashipur	Ganga	1.050	1.16	10 MLD Ponghat	The work is under trial & run since 28.11.2024
39	Madauka	Yamuna	3.62	3.98	42 MLD Naini-II	The work is under trial & run since 30.11.2024
40	Gokula Drain	Ganga	1.220	1.34	-	Due to low organic load treatment of these drains shall be done through onsite method by Nagar Nigam, Prayagraj
41	Baswar	Yamuna	0.170	0.19	-	
42	Co-operative drain	Ganga	0	0.00	-	Dry weather flow of these drains are zero
43	Fort Drain no. - 1	Yamuna	0	0.00	-	
44	Fort Drain no. - 2	Yamuna	0	0.00	-	
	Total		**77.42**	**85.16**		

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1. **Work plan & its status for tapping/treatment of Untapped drains joining river Ganga & Yamuna**

S. No.	Action Plan	Nos of drains	Discharge (MLD)	Proposed STP (MLD)	Current Progress
1	2	3	4	5	6
A	**Projects Sanctioned under Namami Gange Programme**				
(i)	Interception and Diversion of 7 Drains and Augmentation of Rajapur STP Capacity by 90 MLD- The work is awarded and is under progress. Date of start is 24.08.2024 and Date of Completion is 23.02.2026.	7	45.32	90	6%
(ii)	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	30%
(iii)	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. The execution work shall be completed in 16 months from date of start.	2	2.24	50	LOA has been issued to the firm on dated 25.11.2024
	Sub Total - A	**22**	**60.80**	**183**	
Note	***Project mentioned above in Sr. No. (i), (ii) & (iii) will not be completed before Mahakumbh-2025 so a separate project is sanctioned by National Mission for Clean Ganga, New Delhi for onsite treatment of these untapped drains. The work is under progress in supervision of U.P. Jal Nigam (Urban). The work will be commissioned by 31.12.2024***				
B	**Projects Sanctioned under Mahakumbh - 2025 Programme**				
Sr. No.	**Description**	**Nos. of Drain**	**Flow in MLD**	**Name of STP on which Treatment shall be done**	**Current Progress**
1	Interception and Diversion of 02 drains:-The work is under progress by UPJN (Urban). **01 Drain has been tapped and under trial run while 01 Drain will be tapped by 31.12.2024**	2	3.37	25 MLD Kodra STP	90%
2	Interception and Diversion of Jai Guru Dev drain	1	1.19	16 MLD Phaphamau STP	Work is ***under trial & run.***
3	Interception and Diversion of 6 no. drains of Mahewa, 4.14 MLD & 1.83 MLD SPS	5	3.38	42 MLD Naini-II STP	Work is ***under trial & run.***
		1	1.20	80 MLD Naini-I	
4	Interception and Diversion of Madauka drain & 4.71 MLD SPS	1	3.62	42 MLD Naini-II STP	Work is ***under trial & run.***
5	Interception and Diversion of Kashipur drain & 1.52 MLD SPS	1	1.05	10 MLD Ponghat STP	Work is ***under trial & run.***
6	Interception and Diversion of 6 no. drains of Baluaghat area & 1.75 MLD SPS: - The work is under progress. **Drains will be tapped by 31.12.2024.**	6	1.42	80 MLD Naini-I STP	51%
	Sub Total - B	**17**	**15.23**		
	Total (A+B)	**39**	**76.03**		

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8. That from the perusal of the above-mentioned table it is evident that work of 10 out of 17 drains is under trial run

while balance 7 drains shall be commissioned by 31.12.2024.

9. That there are 10 STP's which have been installed in Prayagraj Nagar Nigam. Out of these, 9 STP's are being operated & maintained by M/s Prayagraj Water Private ltd. under Supervision of UP Jal Nigam (Rural) & 1 STP is being operated & maintained by M/s Toshiba Water Solutions Pvt. Ltd. under Supervision of UP Jal Nigam (Urban). That the details of Details of STP's utilization capacity and their functioning is being mentioned as under: -

Sewerage District	Name of STPs	Name of Technology	Year of Commissioning	Design Capacity (in mld)	Current Utilized Capacity (in mld)	Functioning/Performance
2	3	4	5	6	7	8
A	80 MLD Naini-I	Activated Sludge Process	1998	80	95-115	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
B	50 MLD Numayadahi	Bio Tower + Activated Sludge Process	2013	50	57-63	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
C	29 MLD Salori 1	Fluidized Aerobic Bed Reactor	2007	29	32-41	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
	14 MLD Salori 2	Sequential Batch Reactor	2016	14	13-14	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
D	60 MLD Rajapur	Upflow Anaerobic Sludge Blanket Reactor	2013	60	73-80	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
E	25 MLD Kodra	Bio Tower + Activated Sludge Process	2013	25	28-31	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
	10 MLD Ponghat	Bio Tower + Activated Sludge Process	2013	10	12-14	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
F	14 MLD Phaphamau	Food Chain Reactor	2023	14	13-18	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
G	42 MLD Naini-II	Food Chain Reactor	2023	42	35-40	Compliance w.r.t. MoEF& CC Norms dated 13th October, 2017
	16 MLD Jhunsi	Food Chain Reactor	2023	16	14*	*Due to widening of road under Mahakumbh-2025 Program. 8 nos. I&Ds was dismantled and flow from 5 I&D is being received at STP for primary treatment only (as silt content is very high). After completion of river front road works and subsequently construction of I&Ds, the STP will be stabilize by 31.12.2024.
	Total			340	360-390	

10. That the Uttar Pradesh Pollution Control Board (UPPCB) vide its report dated 12.12.2024 has informed that all 9 STP's at Prayagraj are functioning as per prescribed

norms. However, one STP (16 MLD Jhunsi) was non-operational due to flood. This non-operational STP is now made operational and is under stabilization and can be made fully operational after the completion of river front works which is being under taken by the Irrigation Department. The UPPCB has further informed the report of last six months of the functioning of the STP's and its capacity. Report of water samples which have been collected at River Yamuna and Ganga by the board has also been mentioned in the report. A copy of report submitted by the UPPCB is annexed herewith and marked as **Annexure R-2**

11. For all STPs installed in Uttar Pradesh, the compliance status is being monitored by Accountability Assessment Committee (formed as per the direction of Hon'ble NGT) chaired by Principal Secretary, Namami Gange & Rural Water Supply, GoUP has issued the directions to the all non-complaint and non-operational STPs in UP. The last meeting was held on 11.09.2024. On the basis of report by UPPCB, directions have been issued to the respective departments for taking corrective measures for non-complaint STPs on 06.11.2024 by State Mission for Clean Ganga.

12. That in view of maintaining the river water quality during upcoming Maha Kumbh 2025 and to ensure the quality of treated effluent of STPs, monitoring is being done in following manner: -

Testing in In-house lab on daily basis
Testing by UPPCB on weekly basis
Testing through NABL Lab on Monthly basis
Supervision by Third Party Agency of NMCG, New Delhi.
Through OCEMS.

Separate work order has also been issued to MNNIT, Prayagraj for collection and testing of river quality at upstream of River Ganga, Yamuna and treated effluent of STPs shall be done during entire Maha Kumbh period.

13. In view of Mahakumbh-2025 it has been ensured that sufficient stock of chemical i.e., Chlorine, $FeCl_3$, Poly, Lime, Defoamer etc., shall be available at all the STP's as

well as additional man power will be deployed considering additional population during Mahakumbh-2025.

14. That the UP Jal Nigam (Urban) has informed that the remediation of which drains to be clubbed in the untapped drain para mentioned previously. 22 untapped drains within the Municipal Corporation Prayagraj is being done by geosynthetic dewatering tubes filtration followed by Advanced Oxidation Process. That the Project for Remediation of Untapped Drains has been duly approved by National Mission for Clean Ganga (NMCG) vide AAES No- Pr-12012/4/2024-O/o Project Development (UP) NMCG Dated 24.07.2024. A copy of office order issued dated 24.07.2024 by National Mission for Clean Ganga is being annexed herewith and marked as **Annexure R-3**

15. That remediation/treatment of 22 untapped drains will be carried out by U P Jal Nigam (Urban) as executing Agency during Maha Kumbh Mela Period. That out of 22 drains, drains mentioned at Serial No 1 to 20 are proposed to be treated by geosynthetic dewatering tubes followed by Advanced Oxidation Process and Remaining two drains i.e., at serial No 21 and 22 will be temporarily intercepted & diverted by blocking the drains through Geosynthetic Bags and Pumping it to 25 MLD Bargadghat Sewage Pumping Station through Pumps. Sewage from Bargadghat SPS goes to 80 MLD STP Naini for Treatment. A copy of chart showing 22 untapped drains and their treatment capacity is being annexed herewith and marked as **Annexure R-4**

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16. That above-mentioned treatment methodology will employ a multi-stage advanced oxidation-based

ozonisation process to improve water quality efficiently. The proposed methodology includes initial filtration, chemical dosing, and final ozonisation for comprehensive treatment. A copy of treatment methodology which is being used for treatment is being annexed herewith and marked as **Annexure R-5.**

17. That During Kumbh Mela 2019 following 05 Untapped Drains were treated through Geosynthetic Dewatering Tubes Filtration Methodology followed by Disinfection through Chlorination:-

(i) Rajapur Drain

(ii) Arail Bridge Drain

(iii) Salori Drain

(iv) Loteyharan Drain

(v) Mawaiya Drain

The Influent and Effluent Parameters of the aforesaid Drains were regularly Tested by CSIR-Indian Institute of Toxicological Research, Lucknow which was nominated as Third Party Agency by State Mission for Clean Ganga , Lucknow. A copy of test reports conducted by CSIR-Indian Institute of Toxicological Research, Lucknow is being annexed herewith and marked as **Annexure R-6**

18. That it is most respectfully submitted that as per the samples collected by the CSIR during 2019 Kumbh Mela, the treated effluents of above drains treated through Geosynthetic Dewatering Tubes Filtration Methodology followed by Disinfection through Chlorination Conformed to standards of treated effluent for BOD, COD,TSS and pH but did not conform to treated effluent standards for Total Coliform and Feacal Coliform. Since the treated effluents did not conform with the parameters of total coliform and

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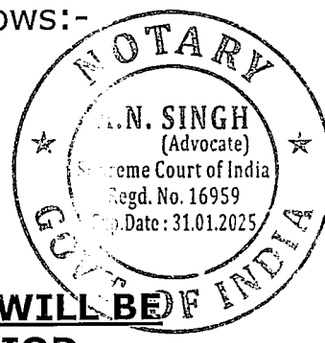
fecal coliform, therefore theAdvanced Oxidation Process (Ozonization) has been proposed for Treatment of Untapped Drains during Maha Kumbh 2025 so that Treated Effluent Meets Standard for Total Coliform and Feacal Coliform.

19. That it is most respectfully submitted that the District Administration Prayagraj has prepared an action plan to manage the excess sewage which will be generated during the upcoming Maha Kumbh 2025 which is as follows:-



ACTION PLAN TO HANDLE EXCESS SEWAGE THAT WILL BE GENERATED DURING MAHA KUMBH MELA PERIOD

Sr No	Name of Drain	Site	Discharge of Drain in MLD	Treatment Capacity Installed for Peak Flow in MLD	Geo Tube 25mx6m each	Cavitation Pump	Geo Tube Pump
1	2	3	4	5	6	8	9
1	Rajapur Drain	Site 01	27.166	42 MLD	10 Nos (25mx6m) (08 W+2S)	05 nos (04 W+ 04 S) 04-12.5 HP+01-10HP	08 nos (07 W+01 S) 25 HP
2	ADA Colony/ Jwaladevi Drain	Site 02	4.277	8.5 MLD	02 Nos (1W+1S)	02 nos (01W+01S) 12.5 HP	02 nos (01W+01S) 25 HP
3	Jondhwal Drain	Site 03	9.094	13.60 MLD	3 Nos (2W+1S)	03 nos (2W+1S) 12.5 HP	03 nos (2W+1S) 25 HP
4	Shankar Ghat Drain 01						
5	Shankar Ghat Drain 02						
6	Shankar Ghat Drain 03						
7	Sadar Bazar Drain	Site 04	4.787	7.17 MLD	3 Nos (2W+1S)	03 nos (2W+1S) 12.5 HP	02 nos (2W+1S) 25 HP
8	Shivkuti Drain 05	Site 05	1.362	2.72 MLD	2 No (1W+1S)	2 nos (1W+1S) 12.5 HP	2 nos (1W+1S) 25 HP
9	Shivkuti Drain 06						
10	Shivkuti Drain east 07						
11	Salori Drain Partially	Site 06	11.882	24 MLD	5 Nos (3W+2S)	03 nos (2 W+1S) 12.5 HP	05 nos (04 W+1S) 25 HP
12	Govindpur Colony puranibasti						
13	Govindpur Colony 01						
14	Govindpur						

	Colony 02						
15	GovindpurColony 03						
16	Govindpur Colony 04						
17	Shivkuti Drain 01						
18	Shivkuti Drain 02						
19	Shivkuti Drain 03						
20	Shivkuti Drain 04						
21	SasurKhedari River	Site 07	10.95	20 MLD	3 Nos	03 nos (02W+1S) 25 HP	04 nos (03 W+1S) 12.5 HP
22	DariyabadKakaraghat Drain Mira Pur	Site 08	2.483	5 MLD	Not Required	Not Required	3 nos (2W+1S) 15 HP
23	DariyabadPipalghat Drain	Site 09	0.12	02 MLD	Not Required	Not Required	12nos (1W+1S) 5 HP
	TOTAL		**72.121 MLD**	**124.99 MLD**			

20. That from the above-mentioned chart it is evident that the Treatment Units being set up for Treatment of Drains will be able to treat upto 125.00 MLD Sewage Flow which is approximately 55 MLD more than the present dry weather discharge of the drains. Hence, the Treatment Units being set up will be able to cater the additional sewage Discharge during Maha Kumbh 2025.

21. That as a long term measure, the domestic sewer connection are being made with the sewer line so that the Sewage will flow in close system not through drains. The Municipal Corporation in District Prayagraj has been divided into eight sewerage Districts. Below is the chart showing the Details of Sewerage Network and Domestic Sewer House Connections in Municipal Corporation Prayagraj.

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Sr No	Sewerage District	Population	No. of Households in Sewerage District	Existing Street Length	Existing Sewer Line Length	No of Houses on Existing Sewer Line	No. of Households with Sewer House Connections	No. of Households without Sewer House Connections	No. of Houses Where Sewer line does not Exist	No of Households in Sewered Areas Without Sewer Connections as per actual Survey done	Agency Maintaining Sewer	Sewer House Connection done in Last 02 Months

1	**A**	328914	54819	310.38	305	53412	53263	1556	1407	149	UPJN(R) +Jalkal Vibhag	0
2	**B**	291612	48602	221.91	213.71	45352	43661	4941	3250	1691	UPJN(R)+ Jalkal Vibhag	0
3	**C**	174870	29145	222.47	220.04	28555	27097	2048	590	1458	UPJN(R)+ Jalkal Vibhag	0
4	**D**	276036	48006	516.17	505	45934	44849	3157	2072	1085	UPJN(U)+ Jalkal Vibhagh	997
5	**E**	204390	34188	183.5	181.1	34075	34075	113	113	0	UPJN(U) + Jalkal Vibhag	3606
6	**F**	33708	7818	52	40	5618	5410	2408	2068	340	Jalkal Vibhag	0
7	**G**	17334	2889	15	15	2889	2889	0	0	0	Jalkal Vibhag	0
Sub Total A		**1326864**	**225467**	**1521.43**	**1479.9**	**215657**	**211244**	**14223**	**9500**	**4723**		**4603**
1	**F**	116286	19381	234	0	0	0	0	19381	0	-	
2	**G**	270000	45000	728	0	0	0	0	45000	0	-	
3	**J**	207558	34593	684	0	0	0	0	34593	0	-	
4	**B & E**	207300	34550	413	0	0	0	0	34550	0	-	
Sub Total B		801144	133524	2059	0	0	0	0	133524	0	-	
Grand Total (A+B)		**2128008**	**358991**	**3580.43**	**1479.9**	**215657**	**211244**	**14223**	**143024**	**4723**	**-**	**4603**

Action Plan for Providing Sewer House Connections at Existing Sewer line

Sr No	Sewerage District	No of Households in Sewered Areas Without Sewer Connections	Agency Maintaining Sewer	Action Plan for Providing 100% Domestic Sewer House Connection in Sewered Area
1	District-A	149	UPJN(R) +Jalkal Vibhag	DPR to be Prepared Under State Sector
2	District-B	1691	UPJN(R)+ Jalkal Vibhag	
3	District-C	1458	UPJN(R)+ Jalkal Vibhag	
4	District-D	1085	UPJN(U)+ Jalkal Vibhagh	House Connection Work is being executed under Mahakumbh-2025 which will be completed by 15.01.2025
5	District-E	0	UPJN(U) + Jalkal Vibhag	
6	District-F	340	Jalkal Vibhag	DPR to be Prepared Under State Sector
7	District-G	0	Jalkal Vibhag	

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22. That at present, there is requirement of Laying 2100.53 Km Sewerage Network and 143024 Nos. of Domestic Sewer House Connection under Nagar Nigam, Prayagraj. For 100 wards of Nagar Nigam Prayagraj (including extended areas) which are densely populated the following proposals have been made in City Water Action plan of AMRUT 2.0below is the chart showing the GAP Analysis in sewerage network and house connection action plan.

a) Sewerage Network and Sewer House Connection Scheme in Sewerage District A, B, C and D of Prayagraj City-Rs 350.00 Cr

b)Sewerage Network and Sewer House Connection Scheme in Sewerage District-G Naini and Naini Extended Area of Nagar Nigam Prayagraj –Rs 382.80

c)Sewerage Network and Sewer House Connection Scheme in Sewerage District-J Jhusi and Jhunsi Extended Area Nagar Nigam Prayagraj –Rs 364.00 Cr

d) Sewerage Network and Sewer House Connection Scheme in Sewerage District F - Phaphamau and Phaphamau Extended Area of Nagar Nigam Prayagraj –Rs 350.00 Cr

e)Sewerage Network and Sewer House Connection Scheme in Jhalwa, Bamhrauli and Pipalgaon Extended Area Nagar Nigam Prayagraj –Rs 425.00 Cr

All the above 05 projects are under process for approval by the State level technical committee (SLTC) and State High Power Steering Committee (SHPSC) for Preparation of Detail Project Report.

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

(i) 100 KLD Faecal Sludge (Co-Treatment) Plant at Naini.(Under Construction)- Under Trial and Run

(ii) 50 KLD Faecal Sludge (Co-Treatment) Plant at Jhunsi. (Under Construction)- Under Trial and Run

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(iii) 50 KLD Faecal Sludge (Co-Treatment) Plant at Salori- Operational

Mela Area Septage Management During Mahakumbh-2025:-

Mahakumbh Mela Area is usually divided into 25 Sectors as per Administrative Requirement as given Below:-

1) Sector 1 & 2 on west side of Beni Bandh in Parade Area.

2) Sector 3 & 4 on the eastern side of Beni bandh on the banks of River Ganga and Yamuna

3) Sector 5 and Sector 10 to 22 on eastern bank of River Ganga towards Jhunsi side

4) Sector 23 to 25 on Arail side

5) Sector 06 to 09 on western bank of River Ganga from Nagvasuki Temple towards Phaphamau side.

- Maximum Expected Population in Maha Kumbh Mela area on peak /bathing day = 50000000.00
- Total Feacal Sludge Generation(MLD) = (50000000 x 120) /(365 x1000000) = 16.44 MLD

- Permanent population (Kalpvasis / pilgrims) expected in Mela area = 50,00,000.00
- Quantity of Grey water (BOD Less than 100) Generated per day = (5000000.00 X 50)/1000000 = 250 MLD

- The Feacal 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 constructedin MelaArea.

- The Grey waste water (BOD Less than 100) generated from washing hands, Kitchen etc. having very less BOD is collected in various ponds (Approx 75 Nos , Average 03 Nos in each sector) constructed in mela area and the treatment is done by Bioremediation method to make the mela vicinity odour free. Sectors in which Sewerage Network is available in nearby vicinity, Grey water is discharged into Sewers.

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- **The prefabricated Sewage Treatment Plant of 0.5 MLD STP will have following Treated Effluent parameters:-**

(i)BOD - Less than 10 mg/l
(ii)TSS- less than 10 mg/l
(iii)COD- Less than 30 mg/l
(iv) PH- 6.5 TO 8.5
(v) Faecal Coliform- less than 1000 MPN per 100 ml.
(vi) Oil and Grease - less than 10 mg

- The Sewage and FeacalSludge Generated in Maha Kumbh Mela Area is proposed to be treated as per given below:-

Sr No	Sector	Treatment of Blackwater/Feacal Sludge	Treatment of Grey Water
1	Sector 1& 2	Through Sewerage Netwok to Alopibagh SPS for treatment at 60 MLD Rajapur STP	Through Sewerage Network
2	Sector 3& 4	Through Sewerage Network to Mori Gate and Daraganj SPS for treatment at 60 MLD Rajapur STP Through Alopibagh SPS	1)Through Ponding and Bioremediation. 2)Through Sewerage Network wherever available in close vicinity.
3	Sector 06 to 09	(i) Through Chilla SPS to 14 MLD and 29 MLD SaloriSTP (Additional 43 MLD STP at Salori Approved under Namami Gange Programme)) (ii) Through 01 Nos Pre-fabricated STP (capacity 0.5 MLD) (iii) Through 50 KLD FeacalSludge Co-Treatment Plant at 14 MLD Salori STP Campus	1)Through Ponding and Bioremediation. (2) Through Sewerage Network wherever available in close vicinity.
4	Sector 5 and Sector 10 to	(i)Through 02 Nos Temporary Prefabricated STP (each of capacity 0.5 MLD) To	(1) Through Ponding and Bioremediation. (2) Through

	22	be installed in Sector 13(For 10 to 14) and Sector 15 (For Sector 5 & 15 to 18) (ii)Through Sewer line being laid on Jhunsi Side to 16 MLD Jhunsi STP and (iii)Through 50 KLD FeacalSludge Co-Treatment Plant at 16 MLD Jhunsi STP Campus (For Sector 19 to 22)	Sewerage Network wherever available in close vicinity.
	Sector 23 to 25	Through 100 KLD Feacal Sludge Co-Treatment Plant at 42 MLD Naini STP Campus	(1) Through Ponding and Bioremediation.

Pre-Fabricated STP OF 500 KLD Capacity

The Prefabricated STP proposed to be installed in Mela Area are Based on Hybrid Granular Sequential Batch Reactor Technology (HgSBR) developed By Bhabha Atomic and Research Institute. This work has been awarded to M/s Shri Ram Constructions, Lucknow & M/s R R Infra,Ghaziabad. The Construction and Fabrication Work of Prefabricated STP is Under Progress and will be made Operational by 25.12.2024.

23. That the sector wise details of the ponds to be constructed in District Prayagraj for treatment of Grey Water through bio remediation is as follows:-

Details of Ponds for Treatment of Grey water in Mela Area

Sr. No.	Name of Sector	No. of Ponds	Latitude & Longitude of Ponds	Location/Name of Road on which pond is situated	Size of Pond (M.)	Current Status (Whether Construction Completed or Not)
1	Sector-1					Covered by sewer line
2	Sector-2					Covered by sewer line
3	Sector-3					Covered by sewer line

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4	Sector-4	3	25.438592, 81.88309	Under Shasrti Bridge	18.00 x 12.50	Under Construction
			25.432869, 81.882078	Jagdish Road North	93.00 x 17.00	Under Construction
			25.432696, 81.882064	Mahaveer Road North	145.00 x 20.00	Under Construction
5	Sector-5	1	25.446958, 81.89294	Old G.T. Road	16.00 x 20.00	Under Construction
6	Sector-6	3	25.462335, 81.879897	Near Kailashpuri Nala	15.00 x 30.00	Under Construction
			25.470119, 81.881019	Near Bharatdwaj Electric Port	15.00 x 30.00	Under Construction
			25.460402, 81.882896	Near BinduMadhav Road	15.00 x 30.00	Under Construction
7	Sector-7	1	25.463976, 81.871524	Kailashpuri Road	15.00 x 30.00	Under Construction
8	Sector-8	4	25.478718, 81.883768	Kailashpuri Road	15.00 x 30.00	Under Construction
			25.479649, 81.887252	Bajarang Das Road	15.00 x 30.00	Under Construction
			25.47406, 81.892528	BeniMadhav Road	15.00 x 30.00	Under Construction
			25.475498, 81.887121	Bajarang Das Road	15.00 x 30.00	Under Construction
9	Sector-9	1	25.464918, 81.873669	Bajarang Das GangeshwarChauraha	8.50 x 12.50	Under Construction
10	Sector-10	1	25.491677, 81.879483	KailashpuriGovindaChauraha	16.50 x 16.50	Under Construction
11	Sector-11	3	25.493451, 81.911297	Sangam Lower Road	16.00 x 16.00	Under Construction
			25.497385, 81.908369	Ahilyabai Road	17.00 x 13.00	Under Construction
			25.490406, 81.907075	Hetapatti Road	17.00 x 11.00	Under Construction
12	Sector-12	5	25.497927, 81.88031	Mukti Road	14.00 x 9.00	Under Construction
			25.466119, 81.923301	GangeshwarMukti Road Chauraha	13.00 x 7.00	Under Construction
			25.466991, 81.923301	PadamMadhav Road	11.00 x 10.00	Under Construction
			25.482104, 81.879968	Gangeshwar Road	17.00 x 17.00	Under Construction
			25.464967, 81.87364	Hetapatti Road	15.00 x 15.00	Under Construction
13	Sector-13	2	25.481683, 81.891579	Near Mansahitasamyamai road	18m x 18m	No
			25.466489, 81.914142	Near MansahitaVeniMadhav Road	15m x 15m	No
14	Sector-14	2	25.464758, 81.913721	AnantMadhav road near Mansahita Nala	15m x 10m	No
			25.462783, 81.913518	VeniMadhav road near Mansahita Nala	11m x 9m	No
15	Sector-15	3	25.458432, 81.909856	At Cross Section of Bhardwaj road &Mansanhita Nala	10m x 20m	No
			25.460618, 81.911823	Near Mansanhitatowerds AnantMadhav road	20m x 20m	No
			25.460615, 81.911807	At cross section of Bhardwaj road &Harshvardhan road.	20m x 30m	No

16	Sector-16	4	25.460986, 81.903341	Bhardwaj road HarshwardhanShakracharya	10m x 10m	No
			25.458097, 81.909646	Bhardwaj road MuktiMansahita Nala	10m x 10m	No
			25.454523, 81.90682	Nagvasuki road MuktiMansahita Nala	10m x 10m	No
			25.456431, 81.901832	Nagvasuki road HarshvardhanShankaracharya.	10m x 10m	No
17	Sector-17	5	25.449789, 81.89956	Harshvardhan Marg between Surdas road	12m x 20m	No
			25.452749, 81.900926	Surdas Road between Nagwaski road	12m x 20m	No
			25.452741, 81.900926	Surdas Road between Nagwaski road	12m x 20m	No
			25.454287, 81.905943	Nagvasikiraod to Mansiyta drain	10m x 3m	No
			25.452661, 81.904517	Soordas road to Mansaita drain	10m x 3m	No
18	Sector-18	8	25.44087, 81.90211	Vat Madhav Road near Mansahita Nala	10m x 3m	No
			25.442574, 81.896656	Vat Madhav Road between Harshvardhan and Sankaracharya Road	10m x 4m	No
			25.448727, 81.903799	Old GT road Near Mansahita Nala	10m x 3m	No
			25.444578, 81.897123	Old GT road Near Harshvardhan and Sankaracharya Road	10m x 2.5m	No
			25.446173, 81.904142	AlopiShankari road near Mansahita Nala	10m x 3m	No
			25.447752, 81.89885	AlopiShankari road between near Harshvardhan and Sankaracharya Road	10m x 4m	No
			25.448727, 81.903802	Harishchandra road Near Mansahita Nala	10m x 3m	No
			25.449572, 81.899551	Harishchandra road between Harshvardhan and Sankaracharya Road	10m x 2.5m	No
19	Sector-19	8	25.439196, 81.891649	Tulsi Marg under old Railway Bridge	20m x 20m	No
			25.438443, 81.893868	Sankaracharyamarg under old Railway Bridge (Both side)	20m x 20m	No
			25.434524, 81.900047	Mori Marg near Mansahita Nala (Both Side)	20m x 20m	No

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			25.437713, 81.900446	Sankatharanmarg near Mansahita Nala (Both Side)	20m x 20m	No
			25.439014, 81.901316	GangoliShivalamarg near Mansahita Nala (Both Side)	20m x 20m	No
			25.440937, 81.901872	Vat Madhavmarg near Mansahita Nala	20m x 20m	No
			25.43532, 81.893288	Sankaracharyamarg under Shastri Bridge (Both Side)	20m x 20m	No
			25.43443, 81.895623	Under Shastri bridge between Sangam lower and Shakracharya road	20m x 20m	No
20	Sector-20	5	25.427149, 81.897981	Jagdeesh Marg Near Mansahita Nala	25m x 15m	Excavated.
			25.42957, 81.898962	Triveni Marg Near Mansahita Nala	10m x 10m	No
			25.42936, 81.898702	Triveni Marg Near Mansahita Nala	10m x 10m	No
			25.42936, 81.898697	Kali Marg Near Mansahita Nala	10m x 10m	No
			25.431098, 81.899304	Kali Marg Near Mansahita Nala	10m x 10m	No
21	Sector-21	6	25.424416, 81.897979	Mahaveer Marg (South) Near Mansaita Nala	15m x 10m	No
			25.423462, 81.898233	Akshayvat Marg (North) Near Mansaita Nala	15m x 10m	No
			25.422643, 81.898076	Akshayvat Marg (North) Near Mansaita Nala	15m x 10m	No
			25.421009, 81.898360	Near Mansaita Nala (West)	10m x 10m	No
			25.421283, 81.896706	Ramananda "C" Marg (West) Near Sursuri Marg	15m x 10m	No
			25.425378, 81.892675	Between Ramanand "A" Marge (West) and Akshayvat Marg (South) Near Gangaji	30m x 30m	No
22	Sector-22	0	-	-	-	-
23	Sector-23	7	25.421522, 81.87707	Near main road/Parmarth campus	20m x 20m	Excavated.
			25.423342, 81.871519	Near STP Nala/Out let of STP (Left side)	17m x 16m	Excavated.
			25.423491, 81.870754	Near STP Nala (Right Side)	17m x 16m	Excavated.
			25.423574, 81.867001	Near new bridge (Naini)	23m x 17m	Excavated.
			25.423701, 81.864554	Near new bridge (Naini)	18m x 18m	Excavated.
			25.423885, 81.861301	Near new bridge keNeeche	16m x 14m	Excavated.
			25.423072, 81.815609	Old bridge nainike pass/ Nala ke par	21m x 12m	Excavated.
24	Sector-24	3	25.414274, 81.889385	Pond Near Mahakal Ramp	23 m x 20 m	Excavated.

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			25.403297, 81.895616	Pond Near Vallabhacharya	25 m X 18 m	Excavated.
			25.407337, 81.894496	Pond on Mahaveer lower marg near Someshwar Ramp	17 m X 15 m	Excavated.
25	Sector-25	1	25.393789, 81.900251	Naini Ashram	20 m X 10 m	Excavated.

Note:- The Depth of Pond varied from 1.5 m to 2.5 M depending upon the site conditions especially sub soil water level.

24. That approximately 200 Km Drainage is being laid in Mela Area for efficient disposal of Grey water generated in Mela Area.The Grey waste water (BOD Less than 100) generated from washing hands , kitchen etc. having very less BOD is collected in various ponds (Approx 75 Nos , Average 03 Nos in each sector) constructed in mela area and the treatment is done by Bioremediation method to make the mela vicinity odour free. Sectors in which Sewerage Network is available in nearby vicinity, Grey water is discharged into Sewers. The ponds are constructed in Mela Area by Carrying out Excavation and Covering the Excavated portion with 150 Micron HDPE line inorder to prevent infiltration of Grey water into the Ground.Bioremediation Units are Installed and Treatment is carried out using biological Enzymes and Microbes providing sufficient Retention Time. Screens are installed at Inlet to catch any floating waste material .V-Notch is also installed at inlet to measure the flow reaching Pond.

25. That the District Administration Prayagraj has executed contracts for bio-remediation of grey water, construction of three prefabricated STP's, laying of drainage pipe lines and operation and maintenance work of 100 KLD & 50 KLD Faecal Sludge Co- Treatment Plants at Naini and Jhunsi, details of which are as follows-:

Sr No	Detail of Work	Contract	Amount	Name of Firm	Date of Start	Date of Completio

		Agreement No				n
1	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 5, 6 and 07 (Package-1) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	01/E.E./ 2024-25	**4597449.13**	M/s Organic121 Scientific Pvt Ltd., 328, 3rd Floor, Suncity Success Tower, Sector 65,Gurugram, Harayana 122018 E-mail: Info@organic121.com, Hgupta@organic121.com. **JV** M/s Welcome Enviro Technologies99, NANKAGADHI, Unnamed Road, DasnaDehat, Ghaziabad, Uttar Pradesh, 201015 E-mail: wetcchmsd@gmail.com	01.10.2024	31.03.2025
2	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 8, 9 and 10 (Package-2) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela	03/E.E./ 2024-25	**3887239.90**	M/s VasudhaSanrakshan Private Limited., Palpur, Jagdishpur, Amethi, Uttar Pradesh-227809 E-mail: vasudha.ka.sanrakshan@gmail.com (65%). **JV** M/s Agrobotics Tech Private Limited 36G, Ground Floor, Parsvnath Estate, Omega Sector-1, Greater Noida, Uttar Pradesh E-mail: shravani:1lk2976@gmail.com(35%)	01.10.2024	31.03.2025

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	period					
3	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 11, 12 and 13 (Package-3) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	02/E.E./ 2024-25	**5895296.97**	M/s Organic121 Scientific Pvt Ltd., 328, 3rd Floor, Suncity Success Tower, Sector 65,Gurugram, Harayana 122018 E-mail: Info@organic121.com, Hgupta@organic121.com. **JV** M/s Welcome Enviro Technologies99, NANKAGADHI, Unnamed Road, DasnaDehat, Ghaziabad, Uttar Pradesh, 201015 E-mail: wetcchmsd@gmail.com-	01.10.2024	31.03.2025
4	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 14, 15 and 16 (Package-4) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during	06/E.E./ 2024-25	**4552623.30**	M/s SIGN-AGE (INDIA) PRIVATE LIMITED., A 49, SECOTOR 83 PHASE II EXTENSION NOIDA, Email: signagetender@gmail.com	01.10.2024	31.03.2025

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	Maha Kumbh Mela period					
5	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 17, 18 and 19 (Package-5) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	07/E.E./ 2024-25	**4482582.94**	M/s SIGN-AGE (INDIA) PRIVATE LIMITED., A 49, SECOTOR 83 PHASE II EXTENSION NOIDA, Email: signagetender @gmail.com	01.10.2024	31.03.2025
6	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 20, 21 and 22 (Package-6) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation &Maintenance of all the Treatment units	04/E.E./ 2024-25	**4237441.69**	M/s VasudhaSanrakshan Private Limited., Palpur, Jagdishpur, Amethi, Uttar Pradesh-227809	01.10.2024	31.03.2025

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	and V-notch during Maha Kumbh Mela period					
7	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 23, 24 and 25 (Package-7) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	05/E.E./ 2024-25	**3572058.28**	M/s VasudhaSanrakshan Private Limited., Palpur, Jagdishpur, Amethi, Uttar Pradesh-227809.	01.10.2024	31.03.2025
8	Supply of all Material, Labour, Fuel & other Consumables, Disinfectants, Plants for Planted Gravel Filter bed , T&P etc. for Operation and Maintenance of 02 Nos Feacal Sludge Co-Treatment Plant of 100 KLD Capacity at Naini 42 MLD STP Campus and 50 KLD Capacity at Jhunsi 16 MLD STP Campus alongwith operation & maintenance of 15 Nos. Cesspool vehicles and collection of feacal sludge/septage from septic tank of households in Naini and Jhunsi area as per directions of Engineer-in-Charge.	36/SECC PYJ-MK-2024/2024-25	**15632531.01**	M/s. ShivayConstructions, Sector-K-312, L.D.A., Ashiyana Colony, Kanpur Road, Lucknow-226018.	01.01.2025	30.09.2025

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9	Survey, Design,Supply, Installation and Operation & Maintenance of 03 Nos Prefabricated Sewage Treatment Plant of 0.5 MLD Capacity Each for Treatment of Sewage/ Septage / Faecal Sludge in Maha Kumbh Mela Area, Under Maha Kumbh Mela – 2025 Programme	11/SECC PYJ-MK-2024/2024-25	**47587561.56**	M/s. Shri Ram Constructions, 23 Shivpuri Colony Picnic Spot Road Faridinagar Lucknow 226015 **JV** M/s R & R Infra C-18B, G.F Parsavnath Paradise Mohan Nagar Ghaziabad UP	23.09.2024	31.03.2025
10	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-1 in Sector 1 & 2 of Mahakumbh Mela	11/EE-MK-2025/2024-25	**5389732.53**	M/s Shree Enterprises, Chaukatha, TiwariyanSukulpur, Meja, Prayagraj	29.09.2024	28.03.2025
11	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-2 in Sector 3, 4 & 5 of Mahakumbh Mela	26/SECC PYJ-MK-2025/2024-25	**17787956.89**	M/s J.P. Enterprises, 10-A, J.P. Nagar, Naini, Prayagraj	09.10.2024	31.03.2025
12	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling	31/SECC PYJ-MK-2025/2024-25	**17410298.64**	M/s G.P. Construction, (JV) M/s Twara Construction Company Pvt. Ltd. Jaitpur, Phulpur, Hanumanganj,	11.10.2024	31.03.2025

	and return back of all supply to departmental store in satisfactory condition in departmental store under Package-3 in Sector 6, 7 & 8 of Mahakumbh Mela			Prayagraj		
13	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-4 in Sector 9, 10,11 & 12 of Mahakumbh Mela	20/SECC PYJ-MK-2025/2024-25	**27008855.59**	M/s S.S. Construction, (JV) M/s Jay Devi Enterprises, 536A/2/29, Allahpur, Prayagraj	07.10.2024	31.03.2025
14	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-5 in Sector 13, 14,15 & 16 of Mahakumbh Mela	26/SECC PYJ-MK-2025/2024-25	**17787956.89**	M/s J.P. Enterprises, 10-A, J.P. Nagar, Naini, Prayagraj	09.10.2024	31.03.2025
15	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store	13/SECC PYJ-MK-2025/2024-25	**30160601.65**	M/s Durgawati Global Project Pvt. Ltd. (JV) M/s Baba Construction Pvt. Ltd.,Durgawati Hospital, Bus Station, Barhalganj, Gorakhpur.	03.10.2024	31.03.2025

	under Package-6 in Sector 17, 18,19 & 20 of Mahakumbh Mela					
16	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-7 in Sector 21, 22 & 23 of Mahakumbh Mela	21/SECC PYJ-MK-2025/2024-25	**19000130.88**	M/s Durgawati Global Project Pvt. Ltd. (JV) M/s Baba Construction Pvt. Ltd.,Durgawati Hospital, Bus Station, Barhalganj, Gorakhpur.	07.10.2024	31.03.2025
17	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-8 in Sector 24 & 25 of Mahakumbh Mela	04/EE-MK-2025/2024-25	**7795539.36**	M/s Rajesh Singh, Ward no.1, Kareha, Karchhana, Prayagraj	24.09.2024	23.03.2025

26. That the Nagar Nigam Prayagraj has informed that, there are 226 Public Toilet and Community toilets operational under the jurisdiction of the Prayagraj Municipal Corporation to cater the needs of local as well as floating population. All 226 Public and Community are connected to the sewer network. In view of the Mahakumbh Mela, 50 mobile toilets have been purchased by the Prayagraj Municipal Corporation and will be deployed as needed during the event to cater to the needs of the floating population during the time of Maha

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Kumbh. The faecal sludge from these mobile toilets will be emptied using desludging vehicles and transported to the three operational FSTPs (Salori - 50 KLD, Jhunsi - 50 KLD, and Naini - 100 KLD) for proper disposal.Areportsubmitted by Municipal Corporation Prayagraj is being annexed herewith and marked as **Annexure R-7.**

27. That the Kumb Mela Adhikhari, District Prayagraj in it's separate report has informed about the effective steps which are being undertaken for the management of population which is anticipated to increase at the time of Maha Kumbh Mela period in District Prayagraj. Comprehensive waste management systems including proper disposal of waste has been adopted. Various awareness programmes with regards to protection of environment will be organised during the mela period, so as to educate the population and ensure that no open defecation takes place and solid and liquid waste management is done in proper manner. Further 10 Hoardings per Sector with 10 different sets of messages and designs regarding behavioral change and good hygiene practices are to be placed across all 25 sectors of Mela area.An initiative to beautify the city and Mela area with high quality street art projects being developed on various themes of sanitation, cleanliness, and Ganga-basin conservation is also been undertaken. Further awareness with regards to plastic free environment is also being conducted, so as to prohibit the use of plastics. A copy of report submitted by the Kumbh Mela Adhikari Prayagraj is being annexed herewith and marked as **Annexure R-8**

28. That the State Government of Uttar Pradesh undertakes before this Hon'ble Tribunal that orders passed

by this Hon'ble Tribunal will be complied in letter and spirit. The State will further undertake all such necessary measures to protect and preserve the Environment during the period of Maha Kumbh.

DEPONENT

Verification

I, the deponent above named do hereby verify and state that the contents of the foregoing paragraphs of the above affidavit are true to the best of my knowledge and belief, no part of it is false and nothing material has been concealed there from.

On this day of December, 2024.

DEPONENT

13 DEC 2024

I identify the deponent who has signed/Put T.I. in my presence
Ashish Kumar (Inspector)
2370163287 92

Certified that the above Named Deponent identiiy by Shri/Smt. Ashish Kumar (Insp.)
Soiemenly affarmed before me at Delhi
S. No. 1240
The contents of the affidavit which have been read & explained to me are true and correct
Notary

NOTARY
A.N. SINGH
(Advocate)
Supreme Court of India
Regd. No. 16959
Exp.Date : 31.01.2025
GOVT. OF INDIA

ATTESTED
A.N. Singh, Adv.
Notary Public
Govt. of India, New Delhi

13 DEC 2024

BEFORE THE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

IN

ORIGINAL APPLICATION NO. 310 OF 2022

IN THE MATTER OF:

Kamlesh Singh ....Applicant

Versus

State of UP.... Respondent(s)

AFFIDAVIT

I, Anil Kumar III aged about years presently posted as Principal Secretary Environment Forest and Climate Change Department State of, Uttar Pradesh, do hereby solemnly affirm and declare as under-

1. That I am fully acquainted with the facts and circumstances and records of the case and thus competent to swear the present affidavit.

2. That the contents of the accompanying reply have been prepared under my instructions and have been understood by me and I declare the same to be true and correct to my knowledge of facts and law.

3. The contents as stated above are true and correct to my knowledge and belief.

I identify the deponent who has Signed/Put T.I. in my presence Anil Kumar (Advocate) 23/12/2024

Certified that the above Named Deponent identify by Shri/Smt. Abhishek Kumar (Ins.) Solemnly affirmed before me at Delhi S. No. 1240 CP/ The contents of the affidavit which have been read & explained to me are true and correct

13 DEC 2024

Verification

It is verified at ..... on.....December 2024 that the contents of the present affidavit are true and correct and nothing has been concealed therefrom.

A.K. SINGH (Advocate) Supreme Court of India Regn. No. 16959 Exp. 31.01.2025 GOVT. OF INDIA

13 DEC 2024

ATTESTED
A.N. Singh, Adv.
Notary Public
Govt. of India, New Delhi

DEPONENT

Annexure - R-1

Report of U.P. Jal Nigam (Rural) in compliance of Hon'ble NGT, New Delhi Order Dated 09.12.2024 in case of OA No. 310/2022 in the matter of Kamlesh Singh Vs State of UP

1. Status of Sewage Generation

In the city presently **471.90 MLD** Sewage generates (293.59 MLD through drains and 178.31 MLD through Sewer Network) as per topographical condition city has been divided into 8 Sewerage District. District wise Sewage Generation Details are as under: -

Details of Sewage Generation

S. No.	Sewerage district	Nos. of Drains				Total Flow Received at STP	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	8.37	0.00	45.13
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**	**77.42**	**178.31**	**471.90**
Hence, Total Sewage Generation in City by 81 Nos. Drains + sewerage network								**471.90**	**MLD**	

1. That During Mahakumbh-2025 due to floating population the flow may increase by 10% of present flow. The expected flow during Mahakumbh is being calculated based on increase in flow during previous Magh Mela period. The projected flow may be around 519.09 MLD (322.95 MLD through drains and 196.14 MLD through Sewer Network.

2. That the treatment of flow during Mahakumbh- 2025 shall be done at existing STPs and through onsite treatment.

2. Status of drains

There are total 81 drains joining Ganga & Yamuna River out of which 37 drains are tapped into existing STPs while 44 drains are untapped. The name,

tapping status, tapping plan for untapped, present flow & expected flow of all the drains during Mahakumbh- 2025 are tabulated below: -

(A) Tapped drains joining river Ganga & Yamuna

S. No.	Name of Drains	RIVER	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Diverted & treated on STP
1	2	3	4	5	6
1	Chachar Drain	Yamuna	25.70	28.27	80 MLD Naini – I STP
2	Drain at Gate No. 9	Yamuna	2.21	2.43	
3	Drain at Gate No. 13	Yamuna	2.03	2.23	
4	Sasur Khaderi Drain	Yamuna	18.50	20.35	50 MLD Numayadahi STP
5	Main Ghaghar Drain	Yamuna	26.58	29.24	
6	Karela Bagh Drain	Yamuna	0.61	0.67	
7	Karela Bagh Drain A-1	Yamuna	0.75	0.83	
8	Karela Bagh Drain A-2	Yamuna	0.74	0.81	
9	Chilla Drain	Ganga	1.23	1.35	29 and 14 MLD Salori STP
10	Allenganj Nala / Buxi Bund Drain	Ganga	20.56	22.62	
	Salori Drain (Partially Tapped)	Ganga	11.30	12.43	
11	Mehdauri Gaon Drain	Ganga	1.48	1.63	60 MLD Rajapur STP
12	Rasulabad Puccaghat Drain	Ganga	1.63	1.79	
13	Jondhwal Rasulabad Drain (Murdaghat)	Ganga	1.58	1.74	
14	Jondhwal Ghat Drain/Chhuhara Mandir	Ganga	1.38	1.52	
15	Morigate Drain	Ganga	8.46	9.31	
16	Drains of Daraganj Area	Ganga	2.11	2.32	
17	Mumfordganj Drain	Ganga	10.56	11.62	
18	Ponghat Nala	Ganga	7.71	8.48	10 MLD Ponghat STP
19	Kodra Nala	Ganga	13.36	14.70	25 MLD Kodra STP
20	Shantipuram Drain	Ganga	4.69	5.16	14 MLD Phaphamau STP
21	Basna Drain	Ganga	4.62	5.08	
22	Mawaiya Nala	Yamuna	29.97	32.97	42 MLD Naini – II STP
23	Mahewa Ghat Drain No. 1	Yamuna	0.75	0.83	
24	Mahewa Ghat Drain No. 2	Yamuna	0.42	0.46	
25	Mahewa Ghat Drain No. 3	Yamuna	0.61	0.67	
26	Arail Drain No. 2 (Kharkauni drain)	Yamuna	3.31	3.64	

S. No.	Name of Drains	RIVER	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Diverted & treated on STP
1	2	3	4	5	6
27	Sachcha Baba Ashram Drain	Yamuna	1.49	1.64	
28	Near Arail Ghat	Yamuna	0.21	0.23	
29	5 small drains near Gangoli Shivala Drain (Augharwa Nala, Bhola Mandir Nala,Gangoli Shivala Nala I, Gangoli Shivala Nala II, Savitri Nagar Nala)	Ganga	1.02	1.12	16 MLD Jhunsi STP
30	Dham Drain	Ganga	0.44	0.48	
31	Shastri Bridge Drain (inc. 3 small drains)	Ganga	0.64	0.70	
32	Triveni Marg Drain I	Ganga	1.15	1.27	
33	Triveni Marg Drain II	Ganga	0.62	0.68	
34	Ulta Quila I	Ganga	0.33	0.36	
35	Ulta Quila II	Ganga	0.26	0.29	
36	Lotey Haren/Havelia Nala	Ganga	6.53	7.18	
37	Lakkar Drain	Ganga	0.63	0.69	
	Total		**216.17**	**237.79**	

(B) Untapped drains joining river Ganga & Yamuna

Sr. No.	Name of Drain	River	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Name of STP at which flow to be Diverted & treated	Remarks
1	2	3	4	5	6	7
1	Dariyabad Kakahraghat Drain Meerapur	Yamuna	2.113	2.32	**50 MLD Naini-III** (LOA has been issued to the firm on dated 25.11.2024 and execution work shall be completed in 16 months from date of start.)	In view of upcoming Mahakumbh-2025 flow of these drains shall be pumped into existing Bargad Ghat SPS and same shall be treated at 80 MLD Naini-I STP for which work is being done by UP Jal Nigam (Urban) and this is expected that work shall be commissioned by 31.12.2024.
2	Dariyabad Pipalghat Drain	Yamuna	0.120	0.13		
3	Salori Drain (Partialy)	Ganga	8.783	9.66	**Under Construction 43 MLD**	In view of upcoming Mahakumbh-
4	Shivkuti Drain No. 1	Ganga	1.192	1.31		

Sr. No.	Name of Drain	River	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Name of STP at which flow to be Diverted & treated	Remarks
1	2	3	4	5	6	7
5	Shivkuti Drain No. 2	Ganga	0.162	0.18	**Salori** (Current progress of work is 30% and as per schedule, work shall be commissioned by August, 2025)	2025 flow of these drains shall be treated through onsite method i.e., Advance Oxidation Process/Geo Synthetic Dewatering Tube Modular Dosing System/Geo Tube Method for which work is being done by UP Jal Nigam (Urban) and this is expected that work shall be commissioned by 31.12.2024.
6	Shivkuti Drain No. 3 (North)	Ganga	0.218	0.24		
7	Shivkuti Drain No. 4	Ganga	0.278	0.31		
8	Shivkuti Drain No. 5	Ganga	0.320	0.35		
9	Shivkuti Drain No. 6	Ganga	0.275	0.30		
10	Shivkuti Drain No. 7 (East)	Ganga	0.767	0.84		
11	Govindpur Colony Drain (Purani Basti)	Ganga	0.218	0.24		
12	Govindpur Colony Drain No. 1	Ganga	0.275	0.30		
13	Govindpur Colony Drain No. 2	Ganga	0.323	0.36		
14	Govindpur Colony Drain No. 3	Ganga	0.162	0.18		
15	Govindpur Colony Drain No. 4	Ganga	0.271	0.30		
16	Jondhwal Drain	Ganga	6.753	7.43	**Under Construction 90 MLD Rajapur** (Current progress of work is 6% and as per schedule, work shall be commissioned by February, 2026)	
17	Shankarghat Drain -01	Ganga	0.444	0.49		
18	Shankarghat Drain -02	Ganga	0.946	1.04		
19	A.D.A. Colony Drain / Jwaladevi	Ganga	4.277	4.70		
20	Shankarghat Colony Drain (Near Phaphamau Bridge)	Ganga	0.951	1.05		
21	Rajapur Drain	Ganga	27.166	29.88		
22	Sadar Bazar Drain	Ganga	4.787	5.27		
23	Nehru Park Nala	Ganga	2.719	2.99	25 MLD Kodra	01 Drain has been tapped and under trial & run while 01 Drain will be tapped by 31.12.2024 by UP Jal Nigam (Urban)
24	Yadavpur drain	Ganga	0.651	0.72		
25	Dariyabad Jogighat Drain Meerapur	Yamuna	0.510	0.56	80 MLD Naini-I	For tapping of these drains work is under progress by UP Jal Nigam (Rural) and this is expected that work shall be commissioned by 31.12.2024.
26	Balua ghat JCC Backside	Yamuna	0.150	0.17		
27	Drain near Chachar Drain/Bargad Ghat Meerapur	Yamuna	0.190	0.21		
28	Ghaghar Drain 1-A / Sadiyapur Drain	Yamuna	0.260	0.29		
29	Ghaghar Drain 1-A1	Yamuna	0.210	0.23		
30	Ghaghar Drain 1-B/Harshvardhan Drain	Yamuna	0.100	0.11		
31	Indira Awas Drain / Jai Gurudev Ashram Drain	Ganga	1.190	1.31	14 MLD Phaphamau	The work is under trial & run since

Sr. No.	Name of Drain	River	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Name of STP at which flow to be Diverted & treated	Remarks
1	2	3	4	5	6	7
						04.12.2024
32	Mahewa Pasi Tola Drain No. 1	Yamuna	0.720	0.79	42 MLD Naini-II	The work is under trial & run since 04.12.2024
33	Mahewa Pasi Tola Drain No. 2	Yamuna	0.410	0.45		
34	Mahewa Pasi Tola Drain No. 3	Yamuna	0.620	0.68		
35	Mahewa Pasi Tola Drain No. 4	Yamuna	0.310	0.34		
36	Mahewa Pasi Tola Drain No. 5	Yamuna	0.410	0.45		
37	3 small drain near mahewa ghat	Yamuna	2.111	2.32	80 MLD Naini-I	
38	Baretha/Kashipur	Ganga	1.050	1.16	10 MLD Ponghat	The work is under trial & run since 28.11.2024
39	Madauka	Yamuna	3.62	3.98	42 MLD Naini-II	The work is under trial & run since 30.11.2024
40	Gokula Drain	Ganga	1.220	1.34	-	Due to low organic load treatment of these drains shall be done through onsite method by Nagar Nigam, Prayagraj
41	Baswar	Yamuna	0.170	0.19	-	
42	Co-operative drain	Ganga	0	0.00	-	Dry weather flow of these drains are zero
43	Fort Drain no. - 1	Yamuna	0	0.00	-	
44	Fort Drain no. - 2	Yamuna	0	0.00	-	
	Total		**77.42**	**85.16**		

3. Work plan & its status for tapping/treatment of Untapped drains joining river Ganga & Yamuna

S. No.	Action Plan	Nos of drains	Discharge (MLD)	Proposed STP (MLD)	Current Progress
1	2	3	4	5	6
A	**Projects Sanctioned under Namami Gange Programme**				
(i)	Interception and Diversion of 7 Drains and Augmentation of Rajapur STP Capacity by 90 MLD- The work is awarded and is under progress. Date of start is 24.08.2024 and Date of Completion is 23.02.2026.	7	45.32	90	6%
(ii)	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	30%

S. No.	Action Plan	Nos of drains	Discharge (MLD)	Proposed STP (MLD)	Current Progress
1	2	3	4	5	6
(iii)	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. The execution work shall be completed in 16 months from date of start.	2	2.24	50	LOA has been issued to the firm on dated 25.11.2024
	Sub Total - A	**22**	**60.80**	**183**	
Note	***Project mentioned above in Sr. No. (i), (ii) & (iii) will not be completed before Mahakumbh-2025 so a separate project is sanctioned by National Mission for Clean Ganga, New Delhi for onsite treatment of these untapped drains. The work is under progress in supervision of U.P. Jal Nigam (Urban). The work will be commissioned by 31.12.2024***				
B	**Projects Sanctioned under Mahakumbh - 2025 Programme**				
Sr. No.	**Description**	**Nos. of Drain**	**Flow in MLD**	**Name of STP on which Treatment shall be done**	**Current Progress**
1	Interception and Diversion of 02 drains:- The work is under progress by UPJN (Urban). **01 Drain has been tapped and under trial run while 01 Drain will be tapped by 31.12.2024**	2	3.37	25 MLD Kodra STP	90%
2	Interception and Diversion of Jai Guru Dev drain	1	1.19	16 MLD Phaphamau STP	Work is ***under trial & run***.
3	Interception and Diversion of 6 no. drains of Mahewa, 4.14 MLD & 1.83 MLD SPS	5	3.38	42 MLD Naini-II STP	Work is ***under trial & run***.
		1	1.20	80 MLD Naini-I	
4	Interception and Diversion of Madauka drain & 4.71 MLD SPS	1	3.62	42 MLD Naini-II STP	Work is ***under trial & run***.
5	Interception and Diversion of Kashipur drain & 1.52 MLD SPS	1	1.05	10 MLD Ponghat STP	Work is ***under trial & run***.
6	Interception and Diversion of 6 no. drains of Baluaghat area & 1.75 MLD SPS: - The work is under progress. **Drains will be tapped by 31.12.2024.**	6	1.42	80 MLD Naini-I STP	51%
	Sub Total - B	**17**	**15.23**		
	Total (A+B)	**39**	**76.03**		

Note- From above table it is evident that work of 10 out of 17 drains is under trial & run while balance 7 drains shall be commissioned by 31.12.2024. The photographs of ongoing works is attached (**Annexure-1**)

4. Status of STP's

There are 10 STP's have been installed in Prayagraj Nagar Nigam. Out of these, 9 STP's are being operated & maintained by M/s Prayagraj Water Private ltd. under Supervision of UP Jal Nigam (Rural) & 1 STP is being operated & maintained by M/s Toshiba Water Solutions Pvt. Ltd. under Supervision of UP Jal Nigam (Urban). Details of STP's are as under: -

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)	Current Utilized Capacity (In mld)	Functioning/Performance
1	2	3	4	5	6	7	8
1	A	80 MLD Naini-I	Activated Sludge Process	1998	80	95-115	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
2	B	50 MLD Numayadahi	Bio Tower + Activated Sludge Process	2013	50	57-63	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
3	C	29 MLD Salori 1	Fluidized Aerobic Bed Reactor	2007	29	32-41	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
4		14 MLD Salori 2	Sequential Batch Reactor	2016	14	13-14	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
5	D	60 MLD Rajapur	Upflow Anaerobic Sludge Blanket Reactor	2013	60	73-80	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
6	E	25 MLD Kodra	Bio Tower + Activated Sludge Process	2013	25	28-31	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
7		10 MLD Ponghat	Bio Tower + Activated Sludge Process	2013	10	12-14	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
8	F	14 MLD Phaphamau	Food Chain Reactor	2023	14	13-18	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
9	G	42 MLD Naini-II	Food Chain Reactor	2023	42	35-40	Compliance w.r.t. MoEF & CC Norms dated 13th October, 2017
10	Jhunsi	16 MLD Jhunsi	Food Chain Reactor	2023	16	14*	*Due to widening of road under Mahakumbh-2025 Program. 8 nos. I&Ds was dismantled and flow from 5 I&D is being received at STP for primary treatment only (as silt content is very high). After completion of river front road works and subsequently construction of I&Ds, the STP will be stabilize by 31.12.2024.
		Total			**340**	**360-390**	

5. Monitoring of STP's and Onsite Treatment Plant

i. The report submitted by the Uttar Pradesh Pollution Control Board in the month October-2024 clearly indicates that all 9 STPs at Prayagraj are complaint at all parameters however one STP (16 MLD Jhunsi) is non-operational due to flood. This non-operational STP is under stabilization and can be made fully operational after the completion of river front works being under taken by Irrigation Department.

For all STPs installed in Uttar Pradesh, the compliance status is being monitored by Accountability Assessment Committee (formed as per the direction of Hon'ble NGT) chaired by Principal Secretary, Namami Gange & Rural Water Supply, GoUP has issued the directions to the all non-complaint and non-operational STPs in UP. The last meeting was held on 11.09.2024 **(Annexure-2)**. On the basis of report by UPPCB, directions have been issued to the respective departments for taking corrective measures for non-complaint STPs on 06.11.2024 by State Mission for Clean Ganga.

ii. In present to ensure the quality of treated effluent of STPs, monitoring is being done in following manner: -
   a. Testing in In-house lab on daily basis **(Annexure-3)**.
   b. Testing by UPPCB on weekly basis **(Annexure-4)**.
   c. Testing through NABL Lab on Monthly basis **(Annexure-5)**.
   d. Supervision by Third Party Agency of NMCG, New Delhi.
   e. Reports Through OCEMS.

iii. In view of Mahakumbh-2025 to ensure the quality of treated effluent of STPs and through onsite method, monitoring shall be done in following manner: -
   a. Testing in In-house lab on daily basis.
   b. Testing by UPPCB on weekly basis.
   c. Testing through NABL Lab on Monthly basis.
   d. Through OCEMS.
   e. Supervision by Third Party Agency of NMCG, New Delhi.
   f. Supervision by Third Party Agency of Mela Authority, Prayagraj.
   g. Collection and testing of outlet sample of STP's by Third Party Agency for which work order **(Annexure-6)** to MNNIT, Prayagraj has been issued.
   h. Collection and testing of river quality at upstream of Ganga and Yamuna river shall be done during entire Mahakumbh-2025 period by Third Party Agency for which work order **(Annexure-7)** to MNNIT, Prayagraj has been issued.

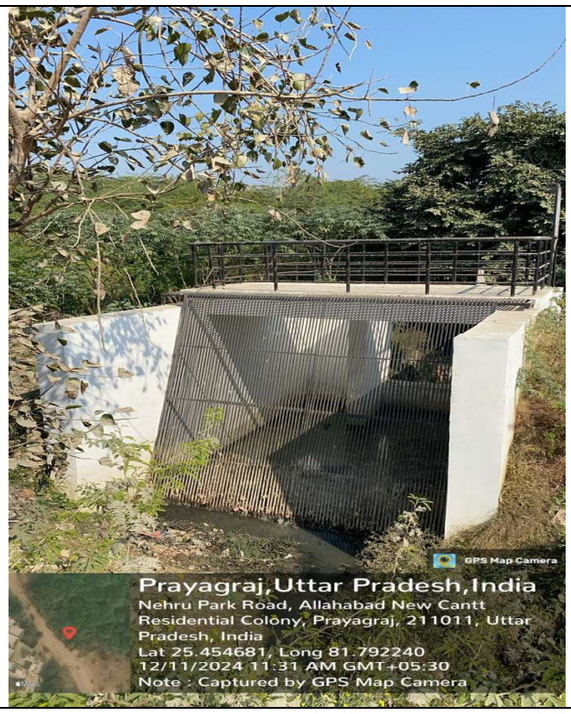
iv. In view of Mahakumbh-2025 this has been ensured that sufficient stock of chemical i.e., Chlorine, $FeCl_3$, Poly, Lime, Defoamer etc., shall be available at all the STP's as well as additional man power also have been deployed by considering additional population during Mahakumbh-2025.

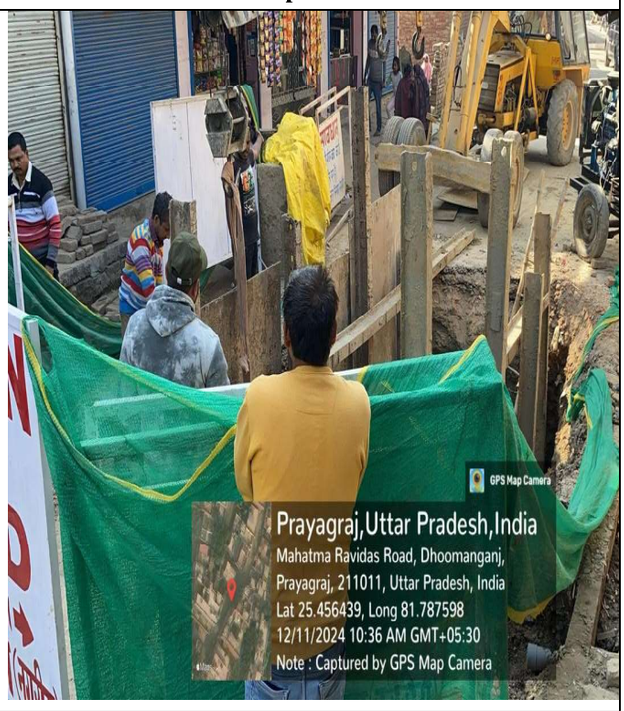
Project Manager
Ganga Pollution Control Unit
U.P. Jal Nigam (Rural)
Prayagraj

Annexure-1

Photographs of Ongoing Works

1. Interception and Diversion of Nehru Park and Yadavpur Drain



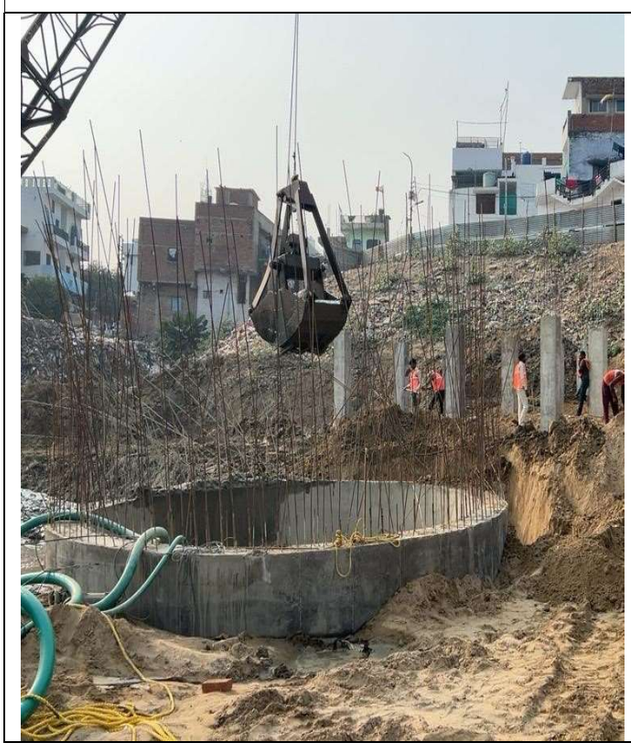


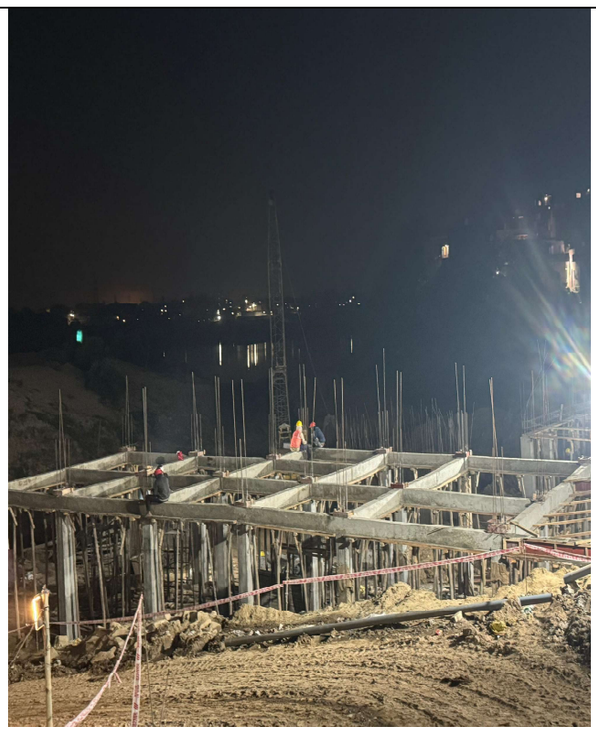
2. Interception and Diversion of Jai Guru Dev drain

3. Interception and Diversion of 6 no. drains of Mahewa, 4.14 MLD & 1.83 MLD SPS	
	
4. Interception and Diversion of Madauka drain & 4.71 MLD SPS	
	

5. Interception and Diversion of Kashipur drain & 1.52 MLD SPS

6. Interception and Diversion of 6 no. drains of Baluaghat area & 1.75 MLD SPS





अध्यक्ष, उत्तरदायित्व निर्धारण समिति/प्रमुख सचिव, नमामि गंगे तथा ग्रामीण जलापूर्ति की अध्यक्षता में दिनांक 11.09.2024 को सम्पन्न चतुर्थ बैठक का कार्यवृत्त

बैठक में उपस्थित अधिकारीगण का उपस्थिति पत्र संलग्न है। मुख्यालय से बाहर के अधिकारीगण द्वारा वर्चुअल प्रतिभाग किया गया।

प्रबन्ध निदेशक, उ0प्र0 जल निगम (ग्रामीण), लखनऊ द्वारा समिति की तृतीय बैठक दिनांक 12.04.2024 को सम्पन्न बैठक में दिये गये निर्देशों के क्रम में अद्यतन प्रगति से निम्नानुसार अवगत कराया गया:-

1. उ0प्र0 जल निगम (नगरीय) द्वारा संचालित 345 एम.एल.डी. भरवारा, लखनऊ तथा 32.5 एम.एल.डी. किदवईनगर, मुजफ्फरनगर एस.टी.पी. को कम्प्लाएन्ट कराये जाने के संबंध में अवगत कराया गया कि वर्तमान में 32.5 एम.एल.डी. किदवईनगर, मुजफ्फरनगर एस.टी.पी. को कम्प्लाएन्ट किया जा चुका है। मुख्य अभियन्ता (नागर) द्वारा अवगत कराया गया कि 345 एम.एल.डी. भरवारा, लखनऊ पर सी.सी.टी. अधिष्ठापन का कार्य पूर्ण किया जा चुका है तथा यह एस.टी.पी. 30 सितम्बर 2024 तक कम्प्लाएन्ट कर लिया जायेगा।

निर्देशित किया गया कि 345 एम.एल.डी. भरवारा, लखनऊ को हर हाल में निश्चित समयसीमा के अन्तर्गत कम्प्लाएन्ट किया जाये तथा इसके लिए उ0प्र0 प्रदूषण नियंत्रण बोर्ड द्वारा सघन निगरानी व पर्यावरणीय क्षतिपूर्ति अधिरोपित की जाये।

(कार्यवाही- उ0प्र0 जल निगम (नगरीय)/उ0प्र0 प्रदूषण नियंत्रण बोर्ड)

2. उ0प्र0 जल निगम (नगरीय) द्वारा निर्माणाधीन 120 एम.एल.डी. जी.एच. कैनाल एस.टी.पी. योजना जो काफी विलम्ब से चल रही थी, को दिनांक 15.08.2024 को पूर्ण कर लिया गया है तथा गोरखपुर में निर्माणाधीन 03 एस.टी.पी. में से 02 एस.टी.पी. का कार्य निर्धारित समयसीमा में पूर्ण कर लिया जायेगा। गोरखपुर में ही निर्माणाधीन 10 एम.एल.डी. की अधोसंरचना हेतु भूमि की अनुपलब्धता के कारण उक्त का निर्माण कार्य विलम्ब से चल रहा है।

निर्देशित किया गया कि गोरखपुर में एस.टी.पी. निर्माण हेतु आवश्यक भूमि की उपलब्धता शीघ्र सुनिश्चित कराये जाने हेतु प्रभावी कार्यवाही की जाये।

(कार्यवाही-उ0प्र0 जल निगम (नगरीय))

3. कानपुर में मेसर्स के.आर.एम.पी.एल. द्वारा संचालित 03 एस.टी.पी. यथा 43 व 130 एम.एल.डी. जाजमऊ व 210 एम.एल.डी. बिनगवां एस.टी.पी. अभी भी नॉन कम्प्लाएन्ट हैं, जिसके संबंध में उ0प्र0 जल निगम द्वारा फर्म पर अब तक रु0 12.39 करोड़ तथा उ0प्र0 प्रदूषण नियंत्रण बोर्ड द्वारा रु0 3.78 करोड़ की पर्यावरणीय क्षतिपूर्ति अधिरोपित की जा चुकी है। राज्य स्वच्छ गंगा मिशन द्वारा भी उत्तरदायी फर्म के विरुद्ध कार्यवाही किये जाने हेतु राष्ट्रीय स्वच्छ गंगा मिशन, भारत सरकार, नई दिल्ली से अनुरोध किया जा चुका है।

निर्देशित किया गया कि कानपुर में संचालित नॉन कम्प्लाएन्ट एस.टी.पी. के संबंध में उत्तरदायी फर्म पर कठोर कार्यवाही की जाये तथा यह सुनिश्चित किया जाये कि गंगा नदी में किसी भी

तरह का अशोधित सीवेज न प्रवाहित हो। कानपुर के डाउन स्ट्रीम में गंगा नदी की जल गुणवता की साप्ताहिक परीक्षण रिपोर्ट राष्ट्रीय स्वच्छ गंगा मिशन, भारत सरकार, नई दिल्ली को प्रेषित की जाये।

(कार्यवाही- उ0प्र0 जल निगम (ग्रामीण)/उ0प्र0 प्रदूषण नियंत्रण बोर्ड)

4. मेरठ विकास प्राधिकरण द्वारा संचालित 13 एस.टी.पी. में से 11 एस.टी.पी. को कम्प्लाएन्ट कर लिया गया है तथा 02 एस.टी.पी. को दिसम्बर, 2024 तक कम्प्लाएन्ट कर लिया जायेगा।

निर्देशित किया गया कि शेष एस.टी.पी. को समयान्तर्गत कम्प्लाएन्ट कराया जाये

(कार्यवाही- मेरठ विकास प्राधिकरण)

5. गोवर्द्धन नगर पंचायत द्वारा संचालित 2.76 एम.एल.डी. एस.टी.पी. को कम्प्लाएन्ट किये जाने संबंधी आख्या प्राप्त करने हेतु राष्ट्रीय स्वच्छ गंगा मिशन, भारत सरकार, नई दिल्ली द्वारा दिनांक 05.08.2024 को निदेशक, स्थानीय निकाय से अनुरोध किया गया था, जिस पर आख्या अप्राप्त है। अधिशासी अधिकारी, नगर पंचायत, गोवर्द्धन द्वारा अवगत कराया गया कि उक्त एस.टी.पी. फीकल कॉलीफाम पर नॉन कम्प्लाएन्ट था, जिसे वर्तमान में कम्प्लाएन्ट करा लिया गया है।

निर्देशित किया गया कि उ0प्र0 प्रदूषण नियंत्रण बोर्ड द्वारा गोर्वद्धन नगर पंचायत के साथ संयुक्त परीक्षण कर उक्त एस.टी.पी. के संबंध में आख्या प्रस्तुत की जाये।

(कार्यवाही- उ0प्र0 प्रदूषण नियंत्रण बोर्ड/गोर्वद्धन नगर पंचायत)

6. नमामि गंगे कार्यक्रम के अन्तर्गत उन्नाव में स्वीकृत 2.15 एम.एल.डी. सी.ई.टी.पी. में अनुबन्ध हस्ताक्षरित नही किया जा सका है, जिसके संबंध में अपर परियोजना निदेशक व राष्ट्रीय स्वच्छ गंगा मिशन, भारत सरकार, नई दिल्ली स्तर से भी निर्देश जारी किये गये हैं, परन्तु अभी भी अनुबन्ध हस्ताक्षरित किया जाना अपेक्षित है।

निर्देशित किया गया कि जिलाधिकारी, उन्नाव/अध्यक्ष, यू.टी.पी.सी.सी. से उक्त के संबंध में प्रस्ताव प्राप्त कर महानिदेशक, राष्ट्रीय स्वच्छ गंगा मिशन, भारत सरकार, नई दिल्ली की अध्यक्षता में बैठक आहूत कराकर इस संबंध में अग्रिम निर्देश प्राप्त किये जायें।

(कार्यवाही-जिलाधिकारी, उन्नाव/अध्यक्ष, यू.टी.पी.सी.सी./ राज्य स्वच्छ गंगा मिशन)

7. नमामि गंगे कार्यक्रम के अन्तर्गत बन्थर-उन्नाव में निर्माणाधीन 4.5 एम.एल.डी. सी.ई.टी.पी. की कार्य प्रगति अत्यन्त धीमी है। बी.आई.पी.सी.सी. के सदस्य श्री आशुतोष टंडन द्वारा अवगत कराया गया कि फर्म द्वारा प्रोक्योरमेन्ट का कार्य 06 माह विलम्ब से पूर्ण किया गया है तथा इस संबंध में निर्माण कार्य पूर्ण होने की संशोधित तिथि व प्रगति बढ़ाये जाने की कार्ययोजना के संबंध में श्री टंडन द्वारा संतोषजनक उत्तर नहीं दिया गया।

निर्देशित किया गया कि कार्य की प्रगति बढ़ाये जाने हेतु जिलाधिकारी, उन्नाव/अध्यक्ष, बी.आई.पी.सी.सी. द्वारा बैठक की जाये तथा श्री टंडन द्वारा अपूर्ण सूचना प्रस्तुत करने के संबंध में कार्यवाही की जाये।

(कार्यवाही-जिलाधिकारी, उन्नाव/अध्यक्ष, बी.आई.पी.सी.सी./राज्य स्वच्छ गंगा मिशन)

8. भदोही औद्योगिक विकास प्राधिकरण में नये सी.ई.टी.पी. के निर्माण की डी.पी.आर. विरचन हेतु उ0प्र0 जल निगम (ग्रामीण) द्वारा रु0 25.00 लाख व कतिपय सूचनाओं की वांछना सी.ई.ओ. बीडा से की गयी है।

निर्देशित किया गया कि सी.ई.ओ. बीडा से समन्वय कर इस संबंध में कार्यवाही शीघ्र पूर्ण कराये जाने हेतु आख्या प्राप्त की जाये।

(कार्यवाही-सी.ई.ओ. बीडा./राज्य स्वच्छ गंगा मिशन)

9. गोरखपुर में उत्तर प्रदेश जल निगम (नगरीय) द्वारा तैयार गीडा अन्तर्गत 7.5 एम.एल.डी. सी.ई.टी.पी. की डी.पी.आर. को पुनः संशोधित करते हुए 04 एम.एल.डी. क्षमता किये जाने के निर्देश राष्ट्रीय स्वच्छ गंगा मिशन, भारत सरकार, नई दिल्ली द्वारा दिये गये हैं। सी.ई.ओ. गीडा ने अपने पत्र दिनांक 05.09.2024 द्वारा राष्ट्रीय स्वच्छ गंगा मिशन, भारत सरकार, नई दिल्ली को अवगत कराया है कि जल निगम (नगरीय) ने तकनीकी अनुभव न होने का कारण देते हुए डी.पी.आर. पुनः संशोधित करने में असमर्थता व्यक्त की है।

निर्देशित किया गया कि इस संबंध में गीडा व उ0प्र0 प्रदूषण नियंत्रण बोर्ड संयुक्त रूप से परीक्षण कर आख्या प्रस्तुत करें, जिसे अवस्थापना एवं औद्योगिक विकास विभाग को प्रेषित कर डी.पी.आर. विरचन के संबंध में अग्रिम कार्यवाही हेतु निर्णय प्राप्त किया जाये।

(कार्यवाही-सी.ई.ओ. गीडा./उ0प्र0 प्रदूषण नियंत्रण बोर्ड)

10. उत्तर प्रदेश में वर्तमान में 144 एस.टी.पी. स्थापित है, जिनमें से 114 मानकों के अनुरूप संचालित है, 18 नॉन कम्प्लाएन्ट है तथा 12 अक्रियाशील है। उ0प्र0 जल निगम (नगरीय) द्वारा संचालित 53 एस.टी.पी. में से 07 नॉन कम्प्लाएन्ट व 04 अक्रियाशील अवस्था में हैं। मुख्य अभियन्ता (नागर) द्वारा अवगत कराया गया कि विभाग द्वारा संचालित नॉन कम्प्लाएन्ट सभी एस.टी.पी. फीकल के पैरामीटर को प्राप्त नहीं कर पा रहे हैं।

निर्देशित किया गया कि सभी नॉन कम्प्लाएन्ट एस.टी.पी. को यथा शीघ्र कम्प्लाएन्ट किया जाये तथा अक्रियाशील एस.टी.पी. के संबंध में आख्या प्राप्त कर उत्तरदायी के विरूद्ध कार्यवाही की जाये।

(कार्यवाही-उ0प्र0 जल निगम (नगरीय)/उ0प्र0 प्रदूषण नियंत्रण बोर्ड)

11. मुख्य अभियन्ता (नागर), उ0प्र0 जल निगम (नगरीय) द्वारा अवगत कराया गया कि विभाग द्वारा 02 निर्माणाधीन परियोजनायें भूमि उपलब्धता देर से होने के कारण विलम्ब से चल रही हैं, जिनको अक्टूबर, 2024 तक पूर्ण किया जाना लक्षित किया गया है। अनुरोध किया गया कि 15 एम.एल.डी. बनियापुर एस.टी.पी. कानपुर को अक्रियाशील एस.टी.पी. की सूची से हटाकर निर्माणाधीन एस.टी.पी. की सूची में कर दिया जाये।

निर्देशित किया गया कि सभी निर्माणाधीन एस.टी.पी. को समय से पूर्ण किया जाये व बनियापुर एस.टी.पी. कानपुर को निर्माणाधीन एस.टी.पी. की सूची में सम्मिलित किया जाये।

(कार्यवाही- उ0प्र0 जल निगम (नगरीय)/उ0प्र0 प्रदूषण नियंत्रण बोर्ड)

12. अवगत कराया गया कि उ0प्र0 जल निगम (ग्रामीण) द्वारा प्रदेश में 47 एस.टी.पी. संचालित किये जा रहे है, जिनमें से 06 नॉन कम्प्लाएन्ट व 06 अक्रियाशील अवस्था में हैं। मुख्य अभियन्ता (गंगा) द्वारा अवगत कराया गया कि कानपुर स्थित 03 एस.टी.पी. फर्म द्वारा खराब संचालन के चलते लम्बे समय से नॉन कम्प्लाएन्ट हैं। अनूपशहर स्थित 02 एस.टी.पी. क्रमशः 1.0 व 1.5 एम.एल.डी. एस.टी.पी. को नगर पालिका परिषद-अनूपशहर को हस्तान्तरित किये जा चुके हैं तथा इनका संचालन

नगर पालिका परिषद-अनूपशहर द्वारा दिनांक 01.07.2024 से किया जा रहा है। शेष 06 अक्रियाशील एस.टी.पी. बाढ़ में डूब जाने के कारण अक्रियाशील अवस्था में हैं, जिन्हें अधिकतम 15 दिन में क्रियाशील कर लिया जायेगा।

निर्देशित किया गया कि सभी अक्रियाशील एस.टी.पी. को शीघ्र ही क्रियाशील अवस्था में लाया जाये तथा नगर पालिका परिषद-अनूपशहर द्वारा संचालित एस.टी.पी. के संबंध में आख्या प्राप्त की जाये।

(कार्यवाही-उ0प्र0 जल निगम (ग्रामीण)/ नगर पालिका परिषद-अनूपशहर)

13. मुख्य अभियन्ता (गंगा), उ0प्र0 जल निगम (ग्रामीण) द्वारा अवगत कराया गया कि नमामि गंगे कार्यक्रम के अन्तर्गत निर्माणाधीन 12 परियोजनाओं में 03 परियोजनायें विलम्ब से चल रही हैं। विलम्ब से चल रही मुजफ्फरनगर परियोजना को नवम्बर, 2024 तक पूर्ण किया जाना लक्षित किया गया है तथा शेष 02 शुक्लागंज व उन्नाव की परियोजनाओं हेतु फर्म द्वारा क्रमशः जनवरी, 2025 व दिसम्बर, 2024 तक पूर्ण किया जाने का आश्वासन दिया गया है।

निर्देशित किया गया कि सभी निर्माणाधीन एस.टी.पी. को समय से पूर्ण किया जाये व मेसर्स के.आर.एम.पी.एस. द्वारा निर्माणाधीन शुक्लागंज व उन्नाव परियोजनाओं का माइक्रो लेवल अनुश्रवण कर युद्ध स्तर पर कार्य करा कर योजना को पूर्ण किया जाये।

(कार्यवाही- उ0प्र0 जल निगम (ग्रामीण))

14. मुख्य अभियन्ता (गंगा), उ0प्र0 जल निगम (ग्रामीण) द्वारा अवगत कराया गया कि नगर पंचायत-बिठूर में 06 नालों पर वेटलैण्ड के माध्यम से किये जा रहे ऑन-साइट शोधन कार्य किया जा रहा है जिनका डिस्चार्ज 1 एम.एल.डी. से कम है अतः इन वेटलैण्ड को एस.टी.पी. की सूची से निकाल दिया जाये।

निर्देशित किया गया कि नगर पंचायत-बिठूर में 06 नालों पर बने वेटलैण्ड को एस.टी.पी. की सूची से निकाल दिया जाये।

(कार्यवाही- उ0प्र0 प्रदूषण नियंत्रण बोर्ड)

15. विशेष सचिव, आवास एवं शहरी नियोजन विभाग द्वारा अवगत कराया गया कि विभाग द्वारा प्रदेश में 21 एस.टी.पी. संचालित हैं, जिनमें से मेरठ स्थित 13 एस.टी.पी. में शेष 02 नॉन कम्प्लाएन्ट एस.टी.पी. में से 01 एस.टी.पी. को कम्प्लाएन्ट किया जा चुका है तथा 01 एस.टी.पी. को दिसम्बर, 2024 तक कम्प्लाएन्ट कराया जाना प्रस्तावित है। मुरादाबाद प्राधिकरण द्वारा संचालित 20 एम.एल.डी. व लखनऊ प्राधिकरण द्वारा संचालित 19 एम.एल.डी. एस.टी.पी. बसावट न होने की वजह से अक्रियाशील अवस्था में है। लखनऊ प्राधिकरण द्वारा संचालित 1.5 एम.एल.डी. एस.टी.पी. नॉन कम्प्लाएन्ट है।

निर्देशित किया गया कि लखनऊ प्राधिकरण द्वारा संचालित 1.5 एम.एल.डी. एस.टी.पी. के संबंध में उपाध्यक्ष, लखनऊ विकास प्राधिकरण से आख्या प्राप्त की जाये।

(कार्यवाही-राज्य स्वच्छ गंगा मिशन, उ0प्र0, लखनऊ)

16. उ0प्र0 में नगर विकास विभाग द्वारा 05 एस.टी.पी. संचालित किये जा रहे है, जिनमें से 02 एस.टी.पी. क्रमशः चित्रकूट व गोवर्द्धन नॉन कम्प्लाएन्ट अवस्था में हैं। सी.ई.ओ., उ0प्र0 प्रदूषण नियंत्रण बोर्ड द्वारा अवगत कराया गया कि उक्त एस.टी.पी. मात्र पी.एच. पर नॉन कम्प्लाएन्ट है।

निर्देशित किया गया कि उक्त के संबंध में अधिशासी अधिकारी, नगर पालिका परिषद, चित्रकूट व नगर पंचायत, गोवर्द्धन से आख्या प्राप्त की जाये।

(कार्यवाही-राज्य स्वच्छ गंगा मिशन, उ0प्र0, लखनऊ)

उक्त के अतिरिक्त बैठक में निम्न निर्देश दिये गये:-

1. जाजमऊ स्थित 36 एम.एल.डी. में से शेष 27 एम.एल.डी. के यथावत एस.टी.पी. में शोधन किये जाने के संबंध में उ0प्र0 जल निगम (नगरीय) से आख्या प्राप्त की जाये।
2. सभी विभागों द्वारा प्रदेश में संचालित समस्त एस.टी.पी. की सूची राज्य स्वच्छ गंगा मिशन को उपलब्ध करायी जाये।
3. सभी विभागों द्वारा संचालित एस.टी.पी. पर ओ.सी.ई.एम.एस. अधिष्ठापित किया जाये तथा उसको गंगा तरंग पोर्टल पर भी इन्टीग्रेट किया जाये।
4. उ0प्र0 प्रदूषण नियंत्रण बोर्ड द्वारा मासिक अनुश्रवण करते समय एस.टी.पी. का संचालन कर रही कार्यदायी संस्था का पुनर्सत्यापन करते हुए ही रिपोर्ट प्रेषित की जाये।

उपरोक्त लिये गये निर्णयानुसार बैठक सधन्यवाद समाप्त हुई।

Signed by
(अनुराग श्रीवास्तव)
Anurag Srivastava
प्रमुख सचिव।
Date: 26-09-2024 16:42:51

पत्र संख्या-742/76-2-2024-ई-1747760, तद्दिनांक

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

1. निजी सचिव, कृषि उत्पादन आयुक्त, उ0प्र0 शासन।
2. अपर मुख्य सचिव, अवस्थापना एवं औद्योगिक विकास विभाग, उ0प्र0 शासन।
3. प्रमुख सचिव, नगर विकास विभाग, उ0प्र0 शासन।
3. प्रमुख सचिव, आवास एवं शहरी नियोजन विभाग, उ0प्र0 शासन।
4. सचिव, वन पर्यावरण एवं जलवायु परिवर्तन विभाग, उ0प्र0 शासन।
5. प्रबन्ध निदेशक, उ0प्र0 जल निगम (नगरीय /ग्रामीण), लखनऊ।
6. जिलाधिकारी, कानपुर/उन्नाव।
7. मुख्य कार्यपालक अधिकारी, यू.पी.सी.डा./नोएडा/भदोही औद्योगिक विकास प्राधिकरण/गोरखपुर औद्योगिक विकास प्राधिकरण।
8. उपाध्यक्ष, मुरादाबाद विकास प्राधिकरण/मेरठ विकास प्राधिकरण।
9. सदस्य सचिव, उ0प्र0 प्रदूषण नियंत्रण बोर्ड, लखनऊ।

आज्ञा से,

Signed by
(ओम प्रकाश चौहान)
Om Prakash Chauhan
अपर सचिव।
Date: 26-09-2024 17:59:19

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,
MONTHLY PERFORMANCE REPORT OF SEWAGE SAMPLE

Month- November 2024

Sr. No.	Month	City/ STP Name	Performance of sewage treatment plants under the current month in the year 2023- 2024													
						Influent Parameters				Effluent Parameters						
			Types of STP Technology	Capacity MLD	Utilized Capacity in MLD	pH	Monthly Avg. TSS in (mg/l)	Monthly Avg. COD in (mg/l)	Monthly Avg. BOD in (mg/l)	pH	Monthly Avg. TSS in (mg/l)	Monthly Avg. COD in (mg/l)	Monthly Avg. BOD in (mg/l)	Residual Chlorine in ppm	Monthly Avg. Fecal Coliform MPN/ 100 ml
1	Date from 01.11.2024 To 30.11.2024	Prayagraj (Naini)	ASP	80	109.31	7.26	278.83	300.28	131.90	7.41	30.55	41.93	20.34	0.30	403.70
2	Date from 01.11.2024 To 30.11.2024	Prayagraj (Salori)	FAB	29	39.19	7.30	335.33	340.93	156.83	7.61	32.90	37.60	22.40	0.30	580.00
3	Date from 01.11.2024 To 30.11.2024	Prayagraj (Kodra)	Biotower	25	32.28	7.25	293.53	322.40	135.83	7.63	16.57	35.27	11.87	0.29	553.33
4	Date from 01.11.2024 To 30.11.2024	Prayagraj (Ponghat)	Biotower	10	14.17	7.63	217.53	286.40	140.33	7.68	22.60	37.20	15.97	0.33	563.33
5	Date from 01.11.2024 To 30.11.2024	Prayagraj (Numayadahi)	Biotower	50	55.04	7.23	273.30	315.33	139.33	7.72	25.67	42.00	17.23	0.30	543.33
6	Date from 01.11.2024 To 30.11.2024	Prayagraj (Rajapur)	UASB	60	69.56	7.16	265.53	280.53	134.33	7.55	26.47	43.87	17.00	0.33	540.00
7	Date from 01.11.2024 To 30.11.2024	Prayagraj (Naini-II)	FCR	42	44.42	7.28	275.47	328.53	161.83	7.78	24.50	42.13	20.63	0.24	570.00
8	Date from 01.11.2024 To 30.11.2024	Prayagraj (Jhunsi)	FCR	16	**No flow from drains is received at STP (All I&Ds submerged into river due to rise in water level of River Ganga)**										
9	Date from 01.11.2024 To 30.11.2024	Prayagraj (Phaphamau)	FCR	14	15.91	7.32	297.93	313.20	162.67	7.72	23.23	37.47	18.50	0.25	513.33
	Total			**326**	**379.88**										

Note :- As per MoEF Guideline effluent discharge standards	6.5 - 9.0	< 100 mg/l	< 250 mg/l	< 30 mg/l	-	< 1000

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,

DAILY PERFORMANCE REPORT OF SEWAGE SAMPLE

Name of the Site :- -80 MLD Naini STPPrayagraj | **For the Period of -** | **Month- November 2024**

Date	Sewage Received in STP on sampling Date in	Influent Parameters				Efluent Parameters					
		pH	TSS in mg/l	COD in mg/l	BOD in mg/l	pH	TSS in mg/l	COD in mg/l	BOD in mg/l	Residual Chlorine in ppm	Fecal Coliform 10^5 MPN/100 ml
1-Nov-24	106.81	7.39	284	296	130	7.41	33	44	22	0.3	700
2-Nov-24	104.45	7.36	280	288	135	7.42	31	40	17	0.3	500
3-Nov-24	98.75	7.35	277	280	125	7.39	30	36	16	0.3	400
4-Nov-24	101.59	7.34	272	288	130	7.40	31	40	19	0.3	700
5-Nov-24	112.23	7.36	278	304	135	7.47	33	44	22	0.3	500
6-Nov-24	116.96	7.37	285	300	130	7.41	30	40	18	0.3	600
7-Nov-24	118.11	7.35	273	296	125	7.42	34	44	21	0.3	400
8-Nov-24	120.37	7.33	278	308	135	7.39	31	40	19	0.3	700
9-Nov-24	113.09	7.31	284	304	140	7.44	30	44	20	0.3	500
10-Nov-24	102.51	7.28	270	300	130	7.39	32	40	18	0.3	400
11-Nov-24	109.43	7.19	280	296	140	7.35	31	44	20	0.3	600
12-Nov-24	108.24	7.28	273	304	130	7.43	30	40	19	0.3	200
13-Nov-24	106.71	7.45	282	292	135	7.38	29	44	22	0.3	400
14-Nov-24	114.48	7.39	276	308	140	7.35	33	40	21	0.3	500
15-Nov-24	116.31	7.41	278	304	125	7.31	30	44	18	0.3	200
16-Nov-24	112.53	7.31	280	300	130	7.38	29	44	20	0.3	400
17-Nov-24	106.35	7.25	275	296	120	7.41	31	48	23	0.3	200
18-Nov-24	112.12	7.29	286	304	125	7.42	30	44	23	0.3	500
19-Nov-24	99.45	7.27	279	308	135	7.43	28	40	19	0.4	400
20-Nov-24	97.20	7.25	283	312	140	7.51	31	44	22	0.3	200
21-Nov-24	98.92	7.21	277	308	135	7.45	29	40	18	0.3	500
22-Nov-24	101.97	7.19	278	300	125	7.41	32	44	20	0.3	400
23-Nov-24	102.04	7.14	286	304	135	7.31	29	48	24	0.3	200
24-Nov-24	105.46	7.11	279	296	130	7.29	31	40	22	0.3	500
25-Nov-24	113.43	7.16	287	300	140	7.31	30	44	24	0.4	200
26-Nov-24	113.80	7.25	276	296	125	7.29	33	40	20	0.2	400
27-Nov-24	115.13	7.23	270	308	125	7.48	29	44	23	0.3	200
28-Nov-24	116.70	7.08	280	292	135	7.52	31	36	19	0.4	500
29-Nov-24	117.35	7.06	275	304	140	7.53	28	40	25	0.2	200
30-Nov-24	114.28	7.04	289	308	130	7.59	30	40	18	0.3	400
Total	**3276.77**	**218.00**	**8370.00**	**9004.00**	**3955.00**	**222.29**	**919.00**	**1260.00**	**612.00**	**9.10**	**12500**
Average	**109.31**	**7.26**	**278.83**	**300.28**	**131.90**	**7.41**	**30.55**	**41.93**	**20.34**	**0.30**	**403.70**

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,

DAILY PERFORMANCE REPORT OF SEWAGE SAMPLE

Name of the Site :- -29 MLD Salori STPPrayagraj | **For the Period of -** | **Month- November 2024**

Date	Sewage Received in STP on sampling Date in MLD	Influent Parameters				Efluent Parameters					
		pH	TSS in mg/l	COD in mg/l	BOD in mg/l	pH	TSS in mg/l	COD in mg/l	BOD in mg/l	Residual Chlorine in ppm	Fecal Coliform 10^5 MPN/100 ml
1-Nov-24	39.58	6.99	326	332	155	7.26	33	36	21	0.3	700
2-Nov-24	37.82	7.05	333	340	160	7.39	35	44	23	0.3	500
3-Nov-24	39.91	6.94	341	348	145	7.35	34	40	19	0.3	700
4-Nov-24	35.25	6.98	352	356	150	7.45	33	36	20	0.3	400
5-Nov-24	39.89	6.90	333	340	155	7.35	32	32	23	0.3	600
6-Nov-24	37.52	6.93	330	336	160	7.40	31	36	21	0.3	700
7-Nov-24	40.12	6.99	344	348	165	7.47	35	40	23	0.3	400
8-Nov-24	40.08	7.08	337	340	160	7.40	33	36	21	0.3	600
9-Nov-24	36.99	7.19	359	348	165	7.49	36	40	23	0.3	700
10-Nov-24	42.26	7.29	335	332	160	7.43	39	44	24	0.3	400
11-Nov-24	41.55	7.66	331	340	155	7.50	33	36	20	0.3	600
12-Nov-24	38.94	7.80	323	344	150	7.53	32	32	21	0.3	500
13-Nov-24	39.55	7.81	372	376	155	7.91	29	36	22	0.3	500
14-Nov-24	38.73	7.97	334	356	140	7.93	32	40	24	0.3	600
15-Nov-24	40.56	7.44	331	348	150	7.69	31	36	25	0.3	700
16-Nov-24	37.12	7.35	323	336	155	7.64	30	32	23	0.3	600
17-Nov-24	39.12	7.40	330	356	160	7.79	31	36	21	0.3	500
18-Nov-24	40.22	7.34	344	348	155	7.71	32	40	23	0.3	700
19-Nov-24	37.95	7.47	326	340	160	7.68	33	36	22	0.3	400
20-Nov-24	35.93	7.40	344	356	165	7.74	34	40	24	0.3	500
21-Nov-24	38.99	7.41	325	336	150	7.64	32	36	21	0.3	700
22-Nov-24	38.32	7.32	340	340	155	7.68	34	40	22	0.3	600
23-Nov-24	39.29	7.29	345	332	160	7.74	35	36	21	0.3	700
24-Nov-24	38.27	7.34	320	328	165	7.80	33	40	23	0.3	500
25-Nov-24	36.93	7.19	328	324	160	7.69	36	44	25	0.3	600
26-Nov-24	39.13	7.35	343	336	155	7.78	31	32	22	0.3	700
27-Nov-24	42.55	7.30	338	332	160	7.73	30	36	23	0.4	400
28-Nov-24	40.74	7.19	315	320	165	7.75	33	40	25	0.2	800
29-Nov-24	41.25	7.24	325	328	155	7.70	32	36	23	0.3	700
30-Nov-24	41.03	7.32	333	332	160	7.73	33	40	24	0.3	400
Total	**1175.59**	**218.93**	**10060**	**10228**	**4705**	**228.35**	**987**	**1128**	**672**	**9.00**	**17400**
Average	**39.19**	**7.30**	**335.33**	**340.93**	**156.83**	**7.61**	**32.90**	**37.60**	**22.40**	**0.30**	**580.00**

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,

DAILY PERFORMANCE REPORT OF SEWAGE SAMPLE

Name of the Site :- -25 MLD Kodra STP Prayagraj | **For the Period of -** | **Month- November 2024**

Date	Sewage Received in STP on sampling Date in MLD	Influent Parameters				Effluent Parameters					
		pH	TSS in mg/l	COD in mg/l	BOD in mg/l	pH	TSS in mg/l	COD in mg/l	BOD in mg/l	Residual Chlorine in ppm	Fecal Coliform 10^5 MPN/100 ml
1-Nov-24	33.66	7.73	280	312	130	7.09	18	40	13	0.2	700
2-Nov-24	32.46	7.27	298	320	125	7.41	16	36	12	0.2	400
3-Nov-24	32.24	7.35	287	316	135	7.69	17	32	11	0.2	500
4-Nov-24	32.67	7.41	292	328	140	7.72	16	36	11	0.2	400
5-Nov-24	30.02	7.38	302	336	130	7.65	18	32	12	0.2	600
6-Nov-24	31.50	7.30	283	316	135	7.70	17	32	11	0.3	500
7-Nov-24	31.27	7.18	276	312	125	7.67	16	36	13	0.2	700
8-Nov-24	33.31	7.09	291	324	140	7.73	15	30	12	0.3	800
9-Nov-24	32.03	6.95	297	332	125	7.68	17	40	13	0.3	400
10-Nov-24	32.46	6.90	289	328	145	7.75	18	36	11	0.3	500
11-Nov-24	30.29	7.16	275	316	130	7.79	15	32	12	0.2	600
12-Nov-24	32.72	7.14	282	320	125	7.76	17	36	11	0.2	700
13-Nov-24	32.03	7.07	304	328	135	7.80	18	32	10	0.2	500
14-Nov-24	32.25	7.12	295	312	140	7.63	16	36	12	0.2	400
15-Nov-24	32.02	6.82	288	316	135	7.55	17	32	11	0.2	600
16-Nov-24	30.79	6.97	292	324	130	7.78	16	32	12	0.3	400
17-Nov-24	32.96	7.41	279	312	135	7.64	17	36	11	0.2	700
18-Nov-24	30.63	7.38	287	320	140	7.65	18	40	13	0.3	500
19-Nov-24	31.58	7.27	309	332	135	7.60	15	32	12	0.2	400
20-Nov-24	32.18	7.31	291	328	145	7.59	16	36	13	0.4	600
21-Nov-24	30.19	7.47	297	324	140	7.71	15	32	11	0.3	700
22-Nov-24	30.31	7.12	314	328	145	7.52	17	36	12	0.4	500
23-Nov-24	32.98	7.39	305	316	135	7.66	16	32	11	0.4	400
24-Nov-24	34.60	7.35	290	312	140	7.49	18	40	13	0.3	600
25-Nov-24	33.98	7.28	298	320	135	7.75	16	36	12	0.4	800
26-Nov-24	33.15	7.30	301	332	145	7.51	19	40	13	0.4	500
27-Nov-24	33.05	7.44	288	336	140	7.68	17	36	11	0.4	700
28-Nov-24	33.94	7.31	316	328	150	7.57	15	40	12	0.4	500
29-Nov-24	33.56	7.27	307	324	130	7.49	16	36	13	0.4	400
30-Nov-24	33.44	7.40	293	320	135	7.60	15	36	12	0.4	600
Total	**968.27**	**217.54**	**8806**	**9672**	**4075**	**228.86**	**497**	**1058**	**356**	**8.60**	**16600**
Average	**32.28**	**7.25**	**293.53**	**322.40**	**135.83**	**7.63**	**16.57**	**35.27**	**11.87**	**0.29**	**553.33**

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,

DAILY PERFORMANCE REPORT OF SEWAGE SAMPLE

Name of the Site :- -10 MLD Ponghat STP Prayagraj | **For the Period of -** | **Month- November 2024**

Date	Sewage Received in STP on sampling Date in MLD	Influent Parameters				Effluent Parameters					
		pH	TSS in mg/l	COD in mg/l	BOD in mg/l	pH	TSS in mg/l	COD in mg/l	BOD in mg/l	Residual Chlorine in ppm	Fecal Coliform 10^5 MPN/100 ml
1-Nov-24	12.70	7.58	222	284	150	7.79	24	40	19	0.3	700
2-Nov-24	12.20	7.63	215	300	145	7.68	21	44	18	0.3	400
3-Nov-24	10.82	7.68	224	296	140	7.64	23	48	19	0.3	500
4-Nov-24	12.62	7.71	205	304	150	7.69	21	44	18	0.2	600
5-Nov-24	12.53	7.62	218	288	155	7.67	23	36	15	0.3	400
6-Nov-24	12.54	7.56	226	292	140	7.71	24	32	16	0.3	700
7-Nov-24	12.66	7.73	213	284	130	7.70	21	36	14	0.2	800
8-Nov-24	12.71	7.76	205	280	125	7.67	20	32	15	0.3	500
9-Nov-24	12.16	7.64	209	272	145	7.72	23	36	17	0.3	600
10-Nov-24	12.72	7.53	211	288	145	7.65	24	32	13	0.2	500
11-Nov-24	13.24	7.58	224	300	150	7.69	26	36	14	0.3	700
12-Nov-24	12.73	7.62	213	308	155	7.70	25	32	15	0.3	400
13-Nov-24	14.04	7.58	237	296	140	7.69	28	40	17	0.3	700
14-Nov-24	12.62	7.65	225	288	150	7.76	26	36	16	0.3	600
15-Nov-24	13.21	7.60	220	280	135	7.67	21	32	14	0.2	500
16-Nov-24	13.28	7.58	214	276	130	7.71	24	40	17	0.3	700
17-Nov-24	14.78	7.63	237	304	165	7.66	23	44	19	0.3	600
18-Nov-24	15.25	7.69	219	292	150	7.64	20	48	19	0.3	400
19-Nov-24	15.47	7.52	207	284	145	7.61	19	36	16	0.4	600
20-Nov-24	15.57	7.58	213	276	130	7.63	21	32	14	0.3	700
21-Nov-24	`14.59	7.59	217	288	125	7.65	23	40	18	0.4	500
22-Nov-24	15.91	7.6	218	284	130	7.68	24	40	17	0.3	400
23-Nov-24	15.89	7.62	209	272	140	7.67	22	36	16	0.5	500
24-Nov-24	15.21	7.71	212	276	135	7.64	21	40	15	0.4	700
25-Nov-24	16.50	7.58	223	284	130	7.69	22	36	16	0.3	600
26-Nov-24	16.44	7.6	214	280	145	7.68	21	32	14	0.5	400
27-Nov-24	16.79	7.63	217	268	135	7.66	23	36	15	0.4	500
28-Nov-24	16.57	7.68	225	292	130	7.64	22	32	14	0.4	600
29-Nov-24	17.66	7.60	228	288	140	7.71	21	36	15	0.5	700
30-Nov-24	16.15	7.73	206	268	125	7.68	22	32	14	0.4	400
Total	**410.97**	**228.81**	**6526**	**8592**	**4210**	**230.38**	**678**	**1116**	**479**	**9.80**	**16900**
Average	**14.17**	**7.63**	**217.53**	**286.40**	**140.33**	**7.68**	**22.60**	**37.20**	**15.97**	**0.33**	**563.33**

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,

DAILY PERFORMANCE REPORT OF SEWAGE SAMPLE

Name of the Site :- - 50 MLD Numayadahi STP Prayagraj | **For the Period of -** | **Month- November 2024**

Date	Sewage Received in STP on sampling Date in MLD	Influent Parameters				Efluent Parameters					
		pH	TSS in mg/l	COD in mg/l	BOD in mg/l	pH	TSS in mg/l	COD in mg/l	BOD in mg/l	Residual Chlorine in ppm	Fecal Coliform 10^5 MPN/100 ml
1-Nov-24	57.20	7.30	276	324	135	7.66	26	44	16	0.3	500
2-Nov-24	56.48	7.12	258	296	130	7.72	24	40	17	0.3	500
3-Nov-24	57.57	7.22	270	312	135	7.69	25	44	17	0.2	400
4-Nov-24	57.15	7.16	256	304	140	7.55	27	40	18	0.3	500
5-Nov-24	56.52	7.24	264	296	135	7.71	29	44	16	0.3	500
6-Nov-24	57.97	7.19	258	284	145	7.76	27	40	19	0.3	400
7-Nov-24	57.11	7.14	280	320	130	7.85	24	40	16	0.3	700
8-Nov-24	57.90	7.19	275	304	145	7.47	24	44	18	0.2	400
9-Nov-24	53.77	7.22	269	312	140	7.78	28	40	17	0.3	600
10-Nov-24	45.51	7.26	259	300	135	7.62	24	40	16	0.3	500
11-Nov-24	49.07	7.23	273	332	140	7.74	27	44	18	0.3	700
12-Nov-24	46.34	7.18	264	304	145	7.68	25	40	17	0.2	800
13-Nov-24	53.18	7.30	280	316	140	7.76	24	40	16	0.3	500
14-Nov-24	53.63	7.23	273	340	135	7.73	26	44	15	0.3	400
15-Nov-24	53.77	7.16	283	304	140	7.79	25	44	16	0.2	700
16-Nov-24	52.86	7.22	278	320	145	7.67	27	40	17	0.3	500
17-Nov-24	28.19	7.27	282	336	140	7.73	26	44	18	0.3	600
18-Nov-24	53.26	7.23	298	344	135	7.7	24	40	17	0.3	700
19-Nov-24	56.60	7.19	277	312	140	7.83	25	48	20	0.2	400
20-Nov-24	55.27	7.31	267	296	145	7.76	26	44	17	0.4	500
21-Nov-24	59.69	7.25	273	320	140	7.74	28	40	19	0.3	600
22-Nov-24	58.8	7.2	264	300	135	7.67	27	40	20	0.5	500
23-Nov-24	61.32	7.26	282	312	145	7.71	25	44	18	0.3	400
24-Nov-24	58.10	7.23	281	328	140	7.5	27	40	19	0.2	600
25-Nov-24	57.54	7.28	268	320	150	7.78	24	40	16	0.4	700
26-Nov-24	61.26	7.19	275	340	140	7.86	26	44	17	0.3	500
27-Nov-24	58.90	7.27	278	328	135	7.90	25	40	18	0.5	700
28-Nov-24	59.35	7.21	270	304	140	7.64	24	44	16	0.3	400
29-Nov-24	59.80	7.28	278	332	145	7.84	27	44	17	0.2	600
30-Nov-24	57.10	7.23	290	320	135	7.88	24	40	16	0.3	500
Total	**1651.21**	**216.76**	**8199**	**9460**	**4180**	**231.72**	**770**	**1260**	**517**	**8.90**	**16300**
Average	**55.04**	**7.23**	**273.30**	**315.33**	**139.33**	**7.72**	**25.67**	**42.00**	**17.23**	**0.30**	**543.33**

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,

DAILY PERFORMANCE REPORT OF SEWAGE SAMPLE

Name of the Site :- - 60 MLD Rajapur STP Prayagraj | **For the Period of -** | **Month- November 2024**

Date	Sewage Received in STP on sampling Date in MLD	Influent Parameters				Efluent Parameters					
		pH	TSS in mg/l	COD in mg/l	BOD in mg/l	pH	TSS in mg/l	COD in mg/l	BOD in mg/l	Residual Chlorine in ppm	Fecal Coliform 10^5 MPN/100 ml
1-Nov-24	61.22	7.12	275	296	135	7.41	30	44	17	0.3	400
2-Nov-24	61.73	7.06	257	276	125	7.45	28	40	16	0.3	500
3-Nov-24	63.28	7.16	267	284	130	7.49	25	44	17	0.3	700
4-Nov-24	77.00	7.13	263	288	135	7.47	27	48	18	0.3	600
5-Nov-24	79.81	7.14	268	276	130	7.49	26	44	17	0.3	400
6-Nov-24	67.15	7.18	257	284	125	7.59	27	44	18	0.3	700
7-Nov-24	65.12	7.15	265	280	130	7.62	26	48	16	0.3	500
8-Nov-24	65.53	7.10	271	288	140	7.64	29	48	19	0.3	600
9-Nov-24	64.81	7.08	269	276	130	7.61	25	40	17	0.3	400
10-Nov-24	61.82	7.06	267	284	125	7.57	24	44	16	0.3	500
11-Nov-24	61.82	7.13	265	280	135	7.60	27	40	17	0.3	700
12-Nov-24	75.82	7.17	264	276	130	7.56	26	40	16	0.3	500
13-Nov-24	81.62	7.13	270	288	135	7.54	28	44	18	0.3	600
14-Nov-24	68.54	7.18	263	284	135	7.53	26	44	16	0.3	400
15-Nov-24	60.52	7.21	259	272	140	7.56	27	40	17	0.3	700
16-Nov-24	60.72	7.20	261	276	130	7.53	25	44	16	0.3	500
17-Nov-24	59.75	7.17	267	280	125	7.59	26	40	15	0.4	600
18-Nov-24	57.42	7.21	264	288	130	7.56	27	44	17	0.5	500
19-Nov-24	68.82	7.23	275	264	140	7.62	26	48	18	0.4	700
20-Nov-24	76.52	7.20	273	284	145	7.57	25	44	19	0.3	500
21-Nov-24	80.18	7.21	263	276	135	7.6	26	44	17	0.4	600
22-Nov-24	75.81	7.24	268	280	130	7.56	27	48	18	0.2	400
23-Nov-24	79.51	7.21	259	276	140	7.59	28	44	16	0.3	500
24-Nov-24	65.05	7.19	265	284	125	7.61	26	48	17	0.4	700
25-Nov-24	71.42	7.18	267	280	145	7.63	25	44	18	0.3	600
26-Nov-24	74.32	7.12	262	284	145	7.51	26	40	16	0.4	400
27-Nov-24	75.82	7.17	269	272	140	7.53	27	44	17	0.5	500
28-Nov-24	74.72	7.14	258	276	145	7.54	25	48	18	0.3	600
29-Nov-24	75.25	7.15	264	288	140	7.52	26	40	17	0.4	400
30-Nov-24	75.82	7.19	271	276	135	7.50	28	44	16	0.3	500
Total	**2086.92**	**214.81**	**7966**	**8416**	**4030**	**226.59**	**794**	**1316**	**510**	**9.90**	**16200**
Average	**69.56**	**7.16**	**265.53**	**280.53**	**134.33**	**7.55**	**26.47**	**43.87**	**17.00**	**0.33**	**540.00**

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,

DAILY PERFORMANCE REPORT OF SEWAGE SAMPLE

Name of the Site :- -42 MLD STP NAINI-2 PRAYAGRAJ | **For the Period of -** | **Month- November 2024**

Date	Sewage Received in STP on sampling Date in	Influent Parameters				Efluent Parameters					
		pH	TSS in mg/l	COD in mg/l	BOD in mg/l	pH	TSS in mg/l	COD in mg/l	BOD in mg/l	Residual Chlorine in ppm	Fecal Coliform 10^5 MPN/100 ml
1-Nov-24	43.22	7.29	300	340	160	7.88	27	44	20	0.3	500
2-Nov-24	42.41	7.31	308	352	155	7.90	26	40	21	0.3	600
3-Nov-24	43.75	7.27	305	336	160	7.91	25	40	20	0.3	800
4-Nov-24	43.17	7.29	301	356	155	7.88	26	44	21	0.3	400
5-Nov-24	43.60	7.30	324	352	160	7.91	25	40	22	0.3	700
6-Nov-24	43.89	7.29	295	340	165	7.9	23	44	22	0.2	600
7-Nov-24	45.79	7.26	267	336	170	7.87	24	40	19	0.2	500
8-Nov-24	42.92	7.24	270	348	175	7.90	28	40	21	0.2	600
9-Nov-24	43.49	7.32	262	332	170	8.00	22	44	20	0.2	400
10-Nov-24	47.23	7.3	281	340	165	7.95	25	40	21	0.3	600
11-Nov-24	50.48	7.28	272	328	160	7.97	24	40	20	0.2	500
12-Nov-24	44.21	7.25	260	336	170	7.86	21	44	19	0.3	400
13-Nov-24	43.38	7.20	265	324	165	7.80	26	44	22	0.2	600
14-Nov-24	44.59	7.23	261	332	160	7.74	24	48	21	0.3	700
15-Nov-24	43.57	7.25	273	340	165	7.71	22	40	20	0.2	500
16-Nov-24	43.48	7.22	260	320	160	7.73	20	40	19	0.2	400
17-Nov-24	45.07	7.2	266	328	155	7.68	22	44	20	0.2	600
18-Nov-24	43.48	7.22	270	320	165	7.65	27	40	22	0.2	800
19-Nov-24	43.98	7.30	264	308	155	7.73	26	44	21	0.3	500
20-Nov-24	46.34	7.31	278	316	160	7.70	24	48	22	0.3	700
21-Nov-24	44.44	7.28	265	328	155	7.68	21	40	20	0.3	600
22-Nov-24	45.76	7.26	271	320	165	7.7	20	36	18	0.2	500
23-Nov-24	44.08	7.25	262	312	160	7.67	22	40	19	0.2	700
24-Nov-24	45.58	7.28	265	320	165	7.65	25	40	20	0.2	400
25-Nov-24	44.44	7.38	270	308	155	7.70	26	44	21	0.2	600
26-Nov-24	45.12	7.34	266	316	160	7.67	28	44	22	0.2	500
27-Nov-24	43.87	7.30	272	320	165	7.65	25	40	20	0.2	400
28-Nov-24	43.85	7.32	276	324	160	7.66	27	40	21	0.2	700
29-Nov-24	43.82	7.38	260	316	165	7.64	24	44	22	0.2	600
30-Nov-24	43.50	7.41	275	308	155	7.67	30	48	23	0.3	700
Total	**1332.51**	**218.53**	**8264.00**	**9856.00**	**4855.00**	**233.36**	**735.00**	**1264.00**	**18.00**	**7.20**	**17100**
Average	**44.42**	**7.28**	**275.47**	**328.53**	**161.83**	**7.78**	**24.50**	**42.13**	**20.63**	**0.24**	**570.00**

OFFICE OF THE PROJECT MANAGER, GPCU, U.P. JAL NIGAM (RURAL), PRAYAGRAJ,

DAILY PERFORMANCE REPORT OF SEWAGE SAMPLE

Name of the Site :- -14 MLD STP PHAPHAMAU PRAYAGRAJ | **For the Period of -** | **Month- November 2024**

Date	Sewage Received in STP on sampling Date in	Influent Parameters				Efluent Parameters					
		pH	TSS in mg/l	COD in mg/l	BOD in mg/l	pH	TSS in mg/l	COD in mg/l	BOD in mg/l	Residual Chlorine in ppm	Fecal Coliform 10^5 MPN/100 ml
1-Nov-24	15.58	8.56	265	288	160	7.83	26	32	16	0.2	500
2-Nov-24	14.86	7.72	280	288	155	7.88	22	36	20	0.2	600
3-Nov-24	15.60	7.30	285	296	160	7.84	15	40	19	0.2	400
4-Nov-24	15.77	7.35	300	304	165	7.60	27	40	18	0.2	600
5-Nov-24	16.28	7.30	305	316	160	7.70	28	36	18	0.2	500
6-Nov-24	16.67	7.35	301	312	165	7.64	26	36	17	0.2	500
7-Nov-24	16.64	7.17	273	312	160	7.68	27	32	17	0.3	600
8-Nov-24	15.04	7.28	300	332	165	7.80	22	44	21	0.3	500
9-Nov-24	16.32	7.32	310	304	160	7.75	30	36	18	0.2	600
10-Nov-24	16.84	7.34	320	316	160	7.72	33	32	16	0.3	400
11-Nov-24	16.88	7.30	305	304	155	7.75	26	36	18	0.3	500
12-Nov-24	16.18	7.20	290	292	155	7.72	20	40	18	0.3	600
13-Nov-24	16.19	7.25	300	308	165	7.69	20	40	19	0.2	500
14-Nov-24	15.83	7.20	290	304	160	7.70	22	36	18	0.2	600
15-Nov-24	16.71	7.25	300	324	165	7.72	25	40	20	0.2	400
16-Nov-24	15.11	7.25	290	324	160	7.75	23	40	19	0.3	500
17-Nov-24	15.58	7.28	302	336	165	7.76	26	36	20	0.2	600
18-Nov-24	15.05	7.2	300	316	160	7.68	28	36	19	0.2	500
19-Nov-24	15.15	7.18	310	328	165	7.65	22	40	20	0.3	400
20-Nov-24	15.61	7.15	330	316	170	7.70	23	36	17	0.2	600
21-Nov-24	15.25	7.08	305	336	160	7.77	20	40	19	0.3	400
22-Nov-24	16.26	7.34	298	304	165	7.66	16	36	18	0.4	500
23-Nov-24	15.87	7.45	300	308	165	7.72	19	40	19	0.2	600
24-Nov-24	16.88	7.32	290	324	170	7.77	24	36	18	0.3	400
25-Nov-24	15.84	7.35	285	328	165	7.60	22	40	17	0.4	600
26-Nov-24	15.98	7.40	280	288	160	7.71	20	36	19	0.3	500
27-Nov-24	15.73	7.25	288	296	170	7.70	22	40	18	0.2	400
28-Nov-24	15.02	7.20	308	336	165	7.74	18	36	20	0.2	500
29-Nov-24	16.60	7.08	312	340	170	7.76	22	40	21	0.2	600
30-Nov-24	16.06	7.15	316	316	160	7.66	23	36	18	0.3	500
Total	**477.38**	**219.57**	**8938.00**	**9396.00**	**4880.00**	**231.65**	**697.00**	**1124.00**	**555.00**	**7.50**	**15400.00**
Average	**15.91**	**7.32**	**297.93**	**313.20**	**162.67**	**7.72**	**23.23**	**37.47**	**18.50**	**0.25**	**513.33**

उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
UTTAR PRADESH POLLUTION CONTROL BOARD

LiFE Lifestyle for Environment

संदर्भ सं0 G 4454 22/UPPCB/CL/250/विविध/2024 दिनाँक– 12/12/2024

सेवा में,
परियोजना निदेशक,
नमामि गंगे तथा ग्रामीण जलापूर्ति विभाग,
कार्यालय, राज्य स्वच्छ गंगा मिशन, उ0प्र0।

विषय–मा0 एन0जी0टी0 में आच्छादित ओ0ए0 संख्या–310/2022 कमलेश सिंह बनाम उ0प्र0 राज्य व अन्य में दाखिल किये जाने वाले शपथ पत्र हेतु सूचना उपलब्ध कराने के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक आपके पत्र संख्या–1246/768(16)एस0एम0सी0जी0/ दिनांक 12.12.2024 के संदर्भ मे प्रयागराज जनपद मे स्थित समस्त एस0टी0पी0 की विगत 06 माह की अनुपालन स्थिति तथा गंगा में 04 बिन्दुओं व यमुना नदी में 04 बिन्दुओं की माहवार जल गुणवत्ता आख्या संकलित कर अग्रिम आवश्यक कार्यवाही हेतु प्रेषित की जा रही है।

संलग्नक–यथोपरि

भवदीय

(संजीव कुमार सिंह)
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U.P. Pollution Control Board

STPs in Prayagraj

June -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	25.06.2024	7.32	24.0	56.0	32.0	17000	680
2	10 MLD STP Ponghat	10	25.06.2024	7.20	20.0	48.0	38.0	7900	400
3	25 MLD STP Kodra	25	25.06.2024	7.16	25.0	58.0	20.0	12000	450
4	60 MLD STP Rajapur	60	25.06.2024	7.29	28.0	60.0	38.0	24000	680
5	29 MLD STP Salori-1	29	25.06.2024	7.08	26.0	60.0	39.0	43000	920
6	14 MLD STP Salori-2 Expansion	14	25.06.2024	6.90	12.0	28.0	14.0	9400	400
7	20 MLD STP Naini	80 (60+20)	25.06.2024	7.17	27.0	62.0	36.0	22000	680
8	60 MLD STP Naini		25.06.2024	7.17	27.0	62.0	36.0	22000	680
9	42 MLD STP Naini	42	25.06.2024	7.12	22.0	42.0	30.0	21000	680
10	14 MLD STP Phaphamau	14	25.06.2024	7.22	18.0	40.0	19.0	8400	400
11	16 MLD Jhunsi	16	25.06.2024	7.15	22.0	44.0	34.0	9400	400

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U.P. Pollution Control Board

STPs in Prayagraj

July -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	30.07.2024	7.32	23.4	52.0	80.0	940	490
2	10 MLD STP Ponghat	10	30.07.2024	7.42	24.4	102.0	84.0	630	330
3	25 MLD STP Kodra	25	30.07.2024	7.58	26.6	106.0	92.0	840	580
4	60 MLD STP Rajapur	60	30.07.2024	7.44	28.4	108.0	94.0	940	430
5	29 MLD STP Salori-1	29	30.07.2024	7.38	27.4	114.0	92.0	1300	790
6	14 MLD STP Salori-2 Expansion	14	30.07.2024	7.46	26.2	110.0	88.0	840	460
7	20 MLD STP Naini	80 (60+20)	30.07.2024	7.41	24.2	98.0	86.0	1400	940
8	60 MLD STP Naini		30.07.2024	7.41	24.2	98.0	86.0	1400	940
9	42 MLD STP Naini	42	30.07.2024	7.26	25.6	104.0	90.0	1200	630
10	14 MLD STP Phaphamau	14	30.07.2024	7.40	25.4	104.0	86.0	790	490
11	16 MLD Jhunsi	16	30.07.2024	* Non-Operational					

* Jhunsi STP will remain closed throughout the flood season due to Non-operational of shastri-bridge SPS & Jhunsi MPS.

JRF
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U.P. Pollution Control Board

STPs in Prayagraj

Aug-2024

S.No.	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	27.08.2024	7.31	24.0	72.0	64.0	1500	630
2	10 MLD STP Ponghat	10	27.08.2024	7.28	21.0	64.0	54.0	1200	460
3	25 MLD STP Kodra	25	27.08.2024	7.30	22.0	68.0	60.0	1400	700
4	60 MLD STP Rajapur	60	27.08.2024	7.38	27.4	88.0	74.0	2400	790
5	29 MLD STP Salori-1	29	27.08.2024	7.37	26.8	80.0	72.0	2100	940
6	14 MLD STP Salori-2 Expansion	14	27.08.2024	7.25	20.0	60.0	52.0	940	490
7	20 MLD STP Naini	80 (60+20)	27.08.2024	7.39	27.0	84.0	70.0	1700	790
8	60 MLD STP Naini		27.08.2024	7.31	24.0	72.0	64.0	1500	630
9	42 MLD STP Naini	42	27.08.2024	7.28	22.0	68.0	58.0	1300	490
10	14 MLD STP Phaphamau	14	27.08.2024	7.25	21.0	64.0	56.0	840	460
11	16 MLD Jhunsi	16		Not Operational*					

*Jhunsi STP will remain closed throughout the flood season due to Non-operational of shastri-bridge SPS & Jhunsi MPS.

JRF
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U.P. Pollution Control Board

STPs in Prayagraj

Sep -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	24.09.2024	7.30	22.0	68.0	66.0	1400	700
2	10 MLD STP Ponghat	10	24.09.2024	7.28	20.0	60.0	61.0	1300	490
3	25 MLD STP Kodra	25	24.09.2024	7.29	24.0	68.0	60.0	1300	790
4	60 MLD STP Rajapur	60	24.09.2024	7.39	26.0	80.0	75.0	2100	940
5	29 MLD STP Salori-1	29	24.09.2024	7.32	24.0	68.0	71.0	1700	940
6	14 MLD STP Salori-2 Expansion	14	24.09.2024	7.21	18.0	60.0	55.0	940	490
7	20 MLD STP Naini	80 (60+20)	24.09.2024	7.38	26.0	84.0	77.0	1500	840
8	60 MLD STP Naini		24.09.2024	7.38	26.0	84.0	77.0	1500	840
9	42 MLD STP Naini	42	24.09.2024	7.33	24.0	72.0	64.0	1200	630
10	14 MLD STP Phaphamau	14	24.09.2024	7.27	20.0	64.0	59.0	940	460
11	16 MLD Jhunsi	16	24.09.2024	Not Operational*					

*Jhunsi STP will remain closed throughout the flood season due to Non-operational of shastri-bridge SPS & Jhunsi MPS.

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U.P. Pollution Control Board

STPs in Prayagraj

Oct -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	29.10.2024	7.32	23.0	72.0	73.0	1400	490
2	10 MLD STP Ponghat	10	29.10.2024	7.25	19.0	56.0	58.0	1200	630
3	25 MLD STP Kodra	25	29.10.2024	7.23	21.0	68.0	71.0	1300	490
4	60 MLD STP Rajapur	60	29.10.2024	7.36	26.0	88.0	80.0	2400	790
5	29 MLD STP Salori-1	29	29.10.2024	7.39	25.0	84.0	78.0	2100	630
6	14 MLD STP Salori-2 Expansion	14	29.10.2024	7.21	19.0	52.0	56.0	940	490
7	20 MLD STP Naini	80 (60+20)	29.10.2024	7.35	24.0	84.0	74.0	1500	630
8	60 MLD STP Naini		29.10.2024	7.35	24.0	84.0	74.0	1500	630
9	42 MLD STP Naini	42	29.10.2024	7.24	21.0	64.0	71.0	1100	460
10	14 MLD STP Phaphamau	14	29.10.2024	7.26	21.0	60.0	63.0	840	460
11	16 MLD Jhunsi	16	29.10.2024	Not Operational*					

*Jhunsi STP will remain closed throughout the flood season due to Non-operational of shastri-bridge SPS & Jhunsi MPS.

JRF
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U.P. Pollution Control Board

STPs in Prayagraj

Nov -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	26.11.2024	7.36	27.2	88.0	82.0	2200	780
2	10 MLD STP Ponghat	10	26.11.2024	7.21	25.4	76.0	78.0	1500	610
3	25 MLD STP Kodra	25	26.11.2024	7.26	25.8	80.0	79.0	1700	680
4	60 MLD STP Rajapur	60	26.11.2024	7.34	27.0	92.0	88.0	2500	910
5	29 MLD STP Salori-1	29	26.11.2024	7.33	27.4	100.0	86.0	2700	930
6	14 MLD STP Salori-2 Expansion	14	26.11.2024	7.28	25.2	80.0	72.0	1300	610
7	20 MLD STP Naini	80 (60+20)	26.11.2024	7.37	27.6	108.0	90.0	2400	930
8	60 MLD STP Naini		26.11.2024	7.37	27.6	108.0	90.0	2400	930
9	42 MLD STP Naini	42	26.11.2024	7.24	26.0	84.0	85.0	2100	680
10	14 MLD STP Phaphamau	14	26.11.2024	7.27	25.6	79.0	79.0	1400	610
11	16 MLD Jhunsi	16	26.11.2024	Not Operational*					

*Jhusi STP will Remain closed due to the main trunk sewer line has been settled down at some places because of joints opening in between Haweliya and Lakkad Nala I& D which needs immediate repairing for smooth operation of I&D

12/12/2024

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12.12.24

12/12/24

Water Quality Of River Ganga in Prayagraj
Year- 2024

Month	U/s Prayagraj (Rasoolabad Ghat)						D/s Prayagraj						B/c Tamsa river, at Prachin Shivalaya Dumduma ghat						a/c Tamsa river, Sirsa, Son Barsa					
	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)
Jun-24	8.23	8.5	2.8	12.0	2200	680	8.16	8.6	2.8	14.0	2400	920	8.32	8.2	2.7	12.0	1700	450	8.33	8.2	2.7	14.0	1400	450
Jul-24	8.22	7.9	2.8	10.0	2100	680	8.28	8.2	2.6	10.0	2400	920	7.85	8.5	2.7	8.0	2000	680	8.03	8.5	2.5	10.0	2100	680
Aug-24	7.90	8.4	2.6	8.0	1700	610	7.89	8.0	2.5	8.0	2000	680	7.72	8.1	2.5	8.0	1700	680	7.75	8.2	2.5	8.0	1700	680
Sep-24	7.76	8.3	2.4	8.0	2000	680	7.96	8.1	2.5	10.0	2200	780	7.76	8.2	2.4	6.0	1400	450	7.70	8.3	2.4	6.0	2100	780
Oct-24	7.85	8.1	2.7	10.0	2100	600	8.11	8.0	2.8	8.0	2300	780	7.80	8.4	2.6	8.0	2100	600	7.88	8.5	2.6	6.0	2000	680
Nov-24	7.67	7.9	3.0	12.0	2700	1400	7.92	8.0	3.1	12.0	3300	2200	7.80	8.1	2.9	10.0	2500	1100	7.91	8.1	3.0	10.0	2500	1300
Average	**7.94**	**8.19**	**2.72**	**10.00**	**2133**	**775**	**8.05**	**8.15**	**2.72**	**10.33**	**2433**	**1047**	**7.88**	**8.25**	**2.63**	**8.67**	**1900**	**660**	**7.93**	**8.30**	**2.62**	**9.00**	**1967**	**762**
Category	C						C						C						C					

Class of water		A	B	C	D	E
1	Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	–
2	Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	–	–
3	Total Coliform (MPN/100ml), max	50	500	5000	–	–

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

Below - E = Not meeting A,B,C,D & E criteria

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(I/c Lab)

Water Quality of River Yamuna In Praygraj UP
Year 2024

S.N.	Month	1 U/s Water Intake, Praygraj						2 D/s Balua Ghat Praygraj						3 D/s Chhachhar nala, Prayagraj						4 D/s Emergency Outfall, Prayagraj					
		pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)
1	June	8.15	8.4	2.4	8.0	1200	400	8.20	8.3	2.6	10.0	1400	450	8.24	8.2	2.6	10.0	1500	610	8.23	8.2	2.5	10.0	1300	450
2	July	8.11	8.5	2.1	6.0	1200	400	8.24	8.0	2.5	8.0	1400	450	8.25	8.1	2.4	8.0	1400	450	8.28	8.0	2.5	6.0	1300	450
3	August	7.80	8.3	2.3	6.0	1300	450	7.75	8.1	2.5	8.0	1500	610	7.60	8.0	2.5	8.0	1700	610	7.65	7.8	2.5	8.0	1400	450
4	September	7.73	8.1	2.1	6.0	1200	400	7.81	7.8	2.4	6.0	1500	610	7.72	7.9	2.4	8.0	1500	610	7.80	7.9	2.3	6.0	1300	450
5	October	7.85	8.2	2.2	6.0	1300	450	7.87	7.7	2.3	6.0	1700	600	7.83	8.1	2.5	8.0	1700	680	7.82	7.7	2.5	8.0	1700	610
6	November	7.78	8.0	2.6	8.0	2700	1400	7.76	7.6	3.2	12.0	2700	1700	7.75	7.8	3.0	10.0	2800	1700	7.77	7.5	3.0	10.0	2600	1400
Average		**7.90**	**8.3**	**2.3**	**6.7**	**1483**	**583**	**7.94**	**7.9**	**2.6**	**8.3**	**1700**	**737**	**7.90**	**8.0**	**2.6**	**8.7**	**1767**	**777**	**7.93**	**7.9**	**2.6**	**8.0**	**1600**	**635**
Category		C						C						C						C					

Class of water		A	B	C	D	E	Below E
1	Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	_	_
2	Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	_	_	_
3	Total Coliform (MPN/100ml), max	50	500	5000	_	_	_

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

Below - E = Not meeting A,B,C,D & E criteria

Source: http://www.cpcb.nic.in/Water_Quality_Criteria.php

Prayag
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(ASO)
12/12/24

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sewage Treatment Plant

ULR- TC824124000002701

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8. Date of Sampling	15/11/2024
3. Weather Condition	Clear Sky	9. Sample Receipt in Lab	16/11/2024
4. Sampling Location	**80 MLD STP Plant Naini (Raw Sewage Influent)**	10. Date of Testing	16/11/2024-21/11/2024
5. Lab Code	PCS24/254/2377	11. Analyzed by	Ms Alka Singh
6. Method of Sampling	As per Standard Method		
7. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result
1.	pH	-	APHA 4500H^+- B	7.36
2.	TSS	mg/l	APHA 2540 D	283
3.	COD	mg/l	APHA 5220-C	300
4.	Ammonical Nitrogen	mg/l	APHA 4500-C	2.2
5.	Total Nitrogen	mg/l	APHA 4500-B	21.5
6.	BOD (5 Days)	mg/l	APHA 5210-B	130.0
7.	Total Phosphorous	mg/l	APHA 4500 P-D	2.4

*** As per APHA/AWWA; 23rd Ed. (2017)**

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Authorized Signatory

(Dr. Divya Misra)
Managing Director

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Test Report of Sewage Treatment Plant

ULR- TC824124000002702

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8. Date of Sampling	15/11/2024
3. Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4. Sampling Location	**80 MLD STP Plant Naini (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
5. Lab Code:	PCS24/254/2385	11. Analyzed by	Ms Alka Singh
6. Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	pH	-	APHA 4500H^+- B	7.40	5.5-9.0
2.	TSS	mg/l	APHA 2540 D	31.0	30
3.	COD	mg/l	APHA 5220-C	40.0	100.0
4.	Ammonical Nitrogen	mg/l	APHA 4500-C	2.3	-
5.	Total Nitrogen	mg/l	APHA 4500-B	4.5	-
6.	BOD (5 Days)	mg/l	APHA 5210-B	20.0	30.0
7.	Total Phosphorous	mg/l	APHA 4500 P-D	0.5	-

*Standard as per sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), Notified vide G.S.R. 1265 (E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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Test Report of Sewage Treatment Plant

Report No.	**Reference No.**	**Issue Date**
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8..Date of Sampling	15/11/2024
3. Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4. Sampling Location	**80 MLD STP Plant Naini (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
5. Lab Code	PCS24/254/2385	11. Analyzed by	Ms Alka Singh
6. Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	**Parameters**	**Unit**	**Reference Method**	**Result**	**Standard***
1.	Faecal coliform	MPN/100 ml	APHA 9221	430	<1000

*Standard as per sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), Notified vide G.S.R. 1265 (E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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Managing Director

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Test Report of Sludge

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8 Date of Sampling	15/11/2024
3. Weather Condition	Clear Sky	9. Sample Receipt in Lab	16/11/2024
4. Sampling Location	**80 MLD STP Plant Naini**	10. Date of Testing	16/11/2024-21/11/2024
5. Lab Code	PCS24/254/2393.	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7..Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Result
1.	Faecal coliform	MPN/gTs	1300000
2.	Sludge Concentration	%	23.40

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Managing Director

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sewage Treatment Plant

ULR- TC824124000002707

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**14 MLD STP Plant Phaphamau (Raw Sewage Influent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2384	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result
1.	pH	-	APHA4500H^+-B	7.30
2.	TSS	mg/l	APHA2540 D	303
3.	COD	mg/l	APHA5220-C	328
4.	Ammonical Nitrogen	mg/l	APHA4500-C	12.2
5.	Total Nitrogen	mg/l	APHA4500-B	21.0
6.	BOD (5Days)	mg/l	APHA5210-B	160.0
7.	Total Phosphorous	mg/l	APHA4500P-D	2.6

*** As per APHA/AWWA; 23rd Ed.(2017)**

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sewage Treatment Plant

ULR- TC824124000002708

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**14 MLD STP Plant Phaphamau (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
		11. Analyzed by	Ms Alka Singh
5.Lab Code	PCS24/254/2392		
8.Method of Sampling	As per Standard Method		
9. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	pH	-	APHA4500H^+-B	7.70	5.5-9.0
2.	TSS	mg/l	APHA2540 D	24.0	30
3.	COD	mg/l	APHA5220-C	40.0	100.0
4.	Ammonical Nitrogen	mg/l	APHA4500-C	2.4	-
5.	Total Nitrogen	mg/l	APHA4500-B	4.5	-
6.	BOD (5Days)	mg/l	APHA5210-B	20.0	30.0
7.	Total Phosphorous	mg/l	APHA4500P-D	0.4	-

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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Test Report of Sewage Treatment Plant

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**14 MLD STP Plant Phaphamau (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
		11. Analyzed by	Ms Alka Singh
5.Lab Code	PCS24/254/2392		
6. Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	Faecal coliform	MPN/100ml	APHA9221	540	<1000

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sludge

Report No.	**Reference No.**	**Issue Date**
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**14 MLD STP Plant Phaphamau**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2400	11.Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7..Sampling Done by	Mr. Vipin		

Sl. No.	**Parameters**	**Unit**	**Result**
1.	Faecal coliform	MPN/gTs	1300000
2.	Sludge Concentration	%	23.20

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Managing Director

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Test Report of Sewage Treatment Plant

ULR- TC824124000002703

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**42 MLD STP Plant Naini-II (Raw Sewage Influent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2378	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result
1.	pH	-	APHA4500H^+-B	7.31
2.	TSS	mg/l	APHA2540 D	286
3.	COD	mg/l	APHA5220-C	336
4.	Ammonical Nitrogen	mg/l	APHA4500-C	11.5
5.	Total Nitrogen	mg/l	APHA4500-B	20.5
6.	BOD(5Days))	mg/l	APHA5210-B	160.0
7.	Total Phosphorous	mg/l	APHA4500P-D	2.3

*** As per APHA/AWWA; 23rd Ed.(2017)**

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Authorized Signatory

(Dr. Divya Misra)
Managing Director

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sewage Treatment Plant

ULR- TC824124000002704

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**42 MLD STP Plant Naini-II (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2386	11. Analyzed by	Ms Alka Singh
8.Method of Sampling	As per Standard Method		
9. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	pH	-	APHA4500H^+-B	7.68	5.5-9.0
2.	TSS	mg/l	APHA2540 D	23.0	30
3.	COD	mg/l	APHA5220-C	36.0	100.0
4.	Ammonical Nitrogen	mg/l	APHA4500-C	2.5	-
5.	Total Nitrogen	mg/l	APHA4500-B	4.4	-
6.	BOD(5Days)	mg/l	APHA5210-B	21.0	30.0
7.	Total Phosphorous	mg/l	APHA4500P-D	0.4	-

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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Test Report of Sewage Treatment Plant

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8..Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**42 MLD STP Plant Naini-II (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2386	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	Faecal coliform	MPN/100ml	APHA9221	700	<1000

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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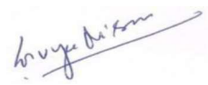

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sludge

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**42 MLD STP Plant Naini-II**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2394	11.Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7..Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Result
1.	Faecal coliform	MPN/gTs	1400000
2.	Sludge Concentration	%	24.40

Authorized Signatory

(Dr. Divya Misra)
Managing Director

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Test Report of Sewage Treatment Plant

ULR- TC824124000002709

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.TypeofIndustry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.WeatherCondition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.SamplingLocation	**10 MLD STP Plant Ponghat (Raw Sewage Influent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2381	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result
1.	pH	-	APHA4500H^+-B	7.61
2.	TSS	mg/l	APHA2540 D	227
3.	COD	mg/l	APHA5220-C	288
4.	Ammonical Nitrogen	mg/l	APHA4500-C	12.2
5.	Total Nitrogen	mg/l	APHA4500-B	21.5
6.	BOD 5Days))	mg/l	APHA5210-B	140.0
7.	Total Phosphorous	mg/l	APHA4500P-D	2.4

*** As per APHA/AWWA; 23rd Ed.(2017)**

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Test Report of Sewage Treatment Plant

ULR- TC824124000002710

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.TypeofIndustry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.WeatherCondition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.SamplingLocation	**10 MLD STP Plant Ponghat (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
		11. Analyzed by	Ms Alka Singh
5.Lab Code	PCS24/254/2389		
8.Method of Sampling	As per Standard Method		
9. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	pH	-	APHA4500H$^+$-B	7.62	5.5-9.0
2.	TSS	mg/l	APHA2540 D	23.0	30
3.	COD	mg/l	APHA5220-C	40.0	100.0
4.	Ammonical Nitrogen	mg/l	APHA4500-C	2.5	-
5.	Total Nitrogen	mg/l	APHA4500-B	4.5	-
6.	BOD (5Days))	mg/l	APHA5210-B	15.0	30.0
7.	Total Phosphorous	mg/l	APHA4500P-D	0.5	-

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986 (29of1986), Notified vide G.S.R. 1265(E) dated13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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Test Report of Sewage Treatment Plant

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8..Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**10 MLD STP Plant Ponghat (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2389	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	Faecal coliform	MPN/100ml	APHA9221	630	<1000

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986 (29of1986), Notified vide G.S.R. 1265(E) dated13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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Test Report of Sludge

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**10 MLD STP Plant Ponghat**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2397	11.Analyzed by	Ms Alka Singh
8.Method of Sampling	As per Standard Method		
9. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Result
1.	Faecal coliform	MPN/gTs	1400000
2.	Sludge Concentration	%	23.20

Authorized Signatory

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Managing Director

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Test Report of Sewage Treatment Plant

ULR- TC824124000002713

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**29 MLD STP Plant Salori (Raw Sewage Influent)**	10.Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2380	11.Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result
1.	pH	-	APHA4500H^+-B	7.41
2.	TSS	mg/l	APHA2540D	322
3.	COD	mg/l	APHA5220-C	336
4.	Ammonical Nitrogen	mg/l	APHA4500-C	11.5
5.	Total Nitrogen	mg/l	APHA4500-B	21.2
6.	BOD (5Days))	mg/l	APHA5210-B	155.0
7.	Total Phosphorous	mg/l	APHA4500P-D	2.4

*** As per APHA/AWWA;23rd Ed. (2017)**

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Test Report of Sewage Treatment Plant

ULR- TC824124000002714

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**29 MLD STP Plant Salori (Treated Sewage Effluent)**	10.Date of Testing	16/11/2024-21/11/2024
		11.Analyzed by	Ms Alka Singh
5.Lab Code	PCS24/254/2388		
8.Method of Sampling	As per Standard Method		
9. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	pH	-	APHA4500H$^+$-B	7.66	5.5-9.0
2.	TSS	mg/l	APHA2540D	32.0	30
3.	COD	mg/l	APHA5220-C	40.0	100.0
4.	Ammonical Nitrogen	mg/l	APHA4500-C	3.0	-
5.	Total Nitrogen	mg/l	APHA4500-B	4.2	-
6.	BOD (5Days)	mg/l	APHA5210-B	25.0	30.0
7.	Total Phosphorous	mg/l	APHA4500P-D	0.5	-

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Test Report of Sewage Treatment Plant

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8..Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**29 MLD STP Plant Salori (Treated Sewage Effluent)**	10.Date of Testing	16/11/2024-21/11/2024
		11.Analyzed by	Ms Alka Singh
5.Lab Code	PCS24/254/2388		
6.Method of Sampling	As per Standard Method		
7.Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	Faecal coliform	MPN/100ml	APHA9221	630	<1000

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986 (29of1986), Notified vide G.S.R.1265 (E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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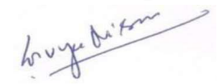

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Test Report of Sludge

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.NameofIndustry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**29 MLD STP Plant Salori**	10.Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2396	11.Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7.Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Result
1.	Faecal coliform	MPN/gTs	1400000
2.	Sludge Concentration	%	23.20

Authorized Signatory

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Managing Director

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Test Report of Sewage Treatment Plant

ULR- TC824124000002711

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**60 MLD STP Plant Rajapur (Raw Sewage Influent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2383	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result
1.	pH	-	APHA4500H^+-B	7.26
2.	TSS	mg/l	APHA2540 D	267
3.	COD	mg/l	APHA5220-C	284
4.	Ammonical Nitrogen	mg/l	APHA4500-C	11.5
5.	Total Nitrogen	mg/l	APHA4500-B	22.4
6.	BOD (5Days)	mg/l	APHA5210-B	140.0
7.	Total Phosphorous	mg/l	APHA4500P-D	2.2

*** As per APHA/AWWA; 23rd Ed.(2017)**

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Authorized Signatory

(Dr. Divya Misra)
Managing Director

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sewage Treatment Plant

ULR- TC824124000002712

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**60 MLD STP Plant Rajapur (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2391	11. Analyzed by	Ms Alka Singh
8.Method of Sampling	As per Standard Method		
9. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	pH	-	APHA4500H^+-B	7.48	5.5-9.0
2.	TSS	mg/l	APHA2540 D	27.0	30
3.	COD	mg/l	APHA5220-C	40.0	100.0
4.	Ammonical Nitrogen	mg/l	APHA4500-C	2.4	-
5.	Total Nitrogen	mg/l	APHA4500-B	4.4	-
6.	BOD (5Days)	mg/l	APHA5210-B	18.0	30.0
7.	Total Phosphorous	mg/l	APHA4500P-D	0.5	-

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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Test Report of Sewage Treatment Plant

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8. Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9. Sample Receipt in Lab	16/11/2024
4.Sampling Location	**60 MLD STP Plant Rajapur (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
		11. Analyzed by	Ms Alka Singh
5.Lab Code	PCS24/254/2391		
6.Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	Faecal coliform	MPN/100ml	APHA9221	630	<1000

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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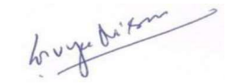

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Test Report of Sludge

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**60 MLD STP Plant Rajapur**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2399	11.Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7..Sampling Done by	Party		

Sl. No.	Parameters	Unit	Result
1.	Faecal coliform	MPN/gTs	1400000
2.	Sludge Concentration	%	23.30

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Managing Director

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Tel: 0522- 4002545, Mobile: 09415518818,
GSTIN :- 09AAJFP5925G1ZY

Test Report of Sewage Treatment Plant

ULR-TC824124000002699

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**25 MLD STP Plant Kodra (Raw Sewage Influent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS/24/254/2382	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result
1.	pH	-	APHA4500H^+-B	7.01
2.	TSS	mg/l	APHA2540 D	291
3.	COD	mg/l	APHA5220-C	308
4.	Ammonical Nitrogen	mg/l	APHA4500-C	12.3
5.	Total Nitrogen	mg/l	APHA4500-B	21.5
6.	BOD(5Days))	mg/l	APHA5210-B	135.0
7.	Total Phosphorous	mg/l	APHA4500P-D	2.4

*** As per APHA/AWWA; 23rd Ed.(2017)**

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sewage Treatment Plant

ULR- TC824124000002700

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9. Sample received in Lab	16/11/2024
4.Sampling Location	**25 MLD STP Plant Kodra (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
		11. Analyzed by	Ms. Alka Singh
5.Lab Code:	PCS24/254/2390		
6. Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	pH	-	APHA4500H^+-B	7.53	5.5-9.0
2.	TSS	mg/l	APHA2540 D	16.0	30
3.	COD	mg/l	APHA5220-C	32.0	100.0
4.	Ammonical Nitrogen	mg/l	APHA4500-C	2.2	-
5.	Total Nitrogen	mg/l	APHA4500-B	4.5	-
6.	BOD(5Days))	mg/l	APHA5210-B	12.0	30.0
7.	Total Phosphorous	mg/l	APHA4500P-D	0.4	-

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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Test Report of Sewage Treatment Plant

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8..Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample received in Lab	16/11/2024
4.Sampling Location	**25 MLD STP Plant Kodra (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2390	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	Faecal coliform	MPN/100ml	APHA9221	630	<1000

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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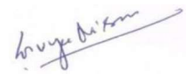

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Test Report of Sludge

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**25MLD STP Plant Kodra**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2398	11.Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7..Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Result
1.	Faecal coliform	MPN/gTs	1200000
2.	Sludge Concentration	%	23.40

Authorized Signatory

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sewage Treatment Plant

ULR- TC824124000002705

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**50 MLD STP Plant Numayadahi (Raw Sewage Influent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2379	11. Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result
1.	pH	-	APHA4500H^+-B	7.21
2.	TSS	mg/l	APHA2540 D	289
3.	COD	mg/l	APHA5220-C	308
4.	Ammonical Nitrogen	mg/l	APHA4500-C	11.4
5.	Total Nitrogen	mg/l	APHA4500-B	21.5
6.	BOD (5Days))	mg/l	APHA5210-B	145.0
7.	Total Phosphorous	mg/l	APHA4500P-D	2.4

*** As per APHA/AWWA; 23rd Ed.(2017)**

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Test Report of Sewage Treatment Plant

ULR- TC824124000002706

TC-8241

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8.Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**50 MLD STP Plant Numayadahi (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2387	11. Analyzed by	Ms Alka Singh
8.Method of Sampling	As per Standard Method		
9. Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	pH	-	APHA4500H^+-B	7.68	5.5-9.0
2.	TSS	mg/l	APHA2540 D	23.0	30
3.	COD	mg/l	APHA5220-C	40.0	100.0
4.	Ammonical Nitrogen	mg/l	APHA4500-C	2.4	-
5.	Total Nitrogen	mg/l	APHA4500-B	4.5	-
6.	BOD (5Days)	mg/l	APHA5210-B	16.0	30.0
7.	Total Phosphorous	mg/l	APHA4500P-D	0.5	-

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Test Report of Sewage Treatment Plant

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8..Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**50 MLD STP Plant Numayadahi (Treated Sewage Effluent)**	10. Date of Testing	16/11/2024-21/11/2024
		11. Analyzed by	Ms Alka Singh
5.Lab Code	PCS24/254/2387		
6.Method of Sampling	As per Standard Method		
7. Sampling done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Reference Method	Result	Standard*
1.	Faecal coliform	MPN/100ml	APHA9221	630	<1000

*Standard as per sections 6and25 of the Environment (Protection) Act, 1986(29of1986), Notified vide G.S.R.1265(E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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GSTIN :- 09AAJFP5925G1ZY

Test Report of Sludge

Report No.	Reference No.	Issue Date
PCS/STP/01/2024	PCS/AWL/08/2024	03/12/2024

1.Name of Industry	**M/s Adani Water Limited Prayagraj**		
2.Type of Industry	Sewage Treatment Plants	8Date of Sampling	15/11/2024
3.Weather Condition	Clear Sky	9.Sample Receipt in Lab	16/11/2024
4.Sampling Location	**50 MLD STP Plant Numayadahi**	10. Date of Testing	16/11/2024-21/11/2024
5.Lab Code	PCS24/254/2395	11.Analyzed by	Ms Alka Singh
6.Method of Sampling	As per Standard Method		
7..Sampling Done by	Mr. Vipin		

Sl. No.	Parameters	Unit	Result
1.	Faecal coliform	MPN/gTs	1300000
2.	Sludge Concentration	%	22.80

Authorized Signatory

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Managing Director

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Email –pm1ganga.allahabad@gmail.com

पत्रांक : 1794 / प्राक्कलन / 60 दिनांक : 11 / 12 /2024

सेवा में,

निदेशक,
एम.एन.एन.आई.टी,
इलाहाबाद (प्रयागराज)।

विषयः– महाकुम्भ–2025 के दृष्टिगत प्रयागराज नगर में अधिष्ठापित 10 नग एसटीपी के शोधित श्राव की गुणवत्ता का परीक्षण कराये जाने के सम्बन्ध में।

सन्दर्भः–

1. इस कार्यालय का पत्रांक 1753/प्राक्कलन/47 दिनांक 03.12.2024
2. आपका पत्रांक 1543/CED/R&C/2024–25 दिनांक 06.12.2024

महोदय,

उपरोक्त विषयक अवगत कराना है कि सन्दर्भ सं0 1 के क्रम में सन्दर्भ सं0 2 के माध्यम से आपके संस्थान द्वारा प्रयागराज नगर में अधिष्ठापित निम्नानुसार 10 नग एसटीपी के शोधित श्राव के BOD, COD, TSS, pH एवं Fecal Coliform की मात्रा का साप्ताहिक परीक्षण अनिवार्य रूप से से किये जाने हेतु प्राक्कलन प्रेषित किया गया है।

क्र0सं0	एसटीपी का नाम	लोकेशन
1	80 एमएलडी नैनी–1 एसटीपी	महेवा पट्टी रोड, नैनी
2	42 एमएलडी नैनी–2 एसटीपी	अरैल रोड, नैनी
3	50 एमएलडी नुमायाडाही एसटीपी	डाही गांव के सन्निकट
4	29 एमएलडी सलोरी–1 एसटीपी	बक्शी बांध के सन्निकट
5	14 एमएलडी सलोरी–2 एसटीपी	बक्शी बांध के सन्निकट
6	60 एमएलडी राजापुर एसटीपी	रसूलाबाद घाट के सन्निकट
7	25 एमएलडी कोडरा एसटीपी	धूमनगंज क्षेत्र के सन्निकट, कानपुर रोड
8	10 एमएलडी पोंगहट एसटीपी	धूमनगंज क्षेत्र के सन्निकट, कानपुर रोड
9	14 एमएलडी फाफामऊ एसटीपी	शांतिपुरम, फाफामऊ
10	14 एमएलडी झूंसी एसटीपी	छतनाग घाट के सन्निकट, झूंसी

अवगत कराना है कि उपरोक्तानुसार साप्ताहिक परीक्षण किये जाने हेतु प्रबन्ध निदेशक महोदय, उ0प्र0 जल निगम (ग्रामीण), लखनऊ द्वारा दिये गये निर्देशों के क्रम में आपको कार्यादेश निम्नलिखित शर्तों के साथ प्रेषित किया जा रहा है।

1. एसटीपी के शोधित श्राव के Sample Collection का उत्तरदायित्व MNNIT, Prayagraj का होगा। इस हेतु अलग से कोई भी भुगतान देय नहीं होगा।
2. साप्ताहिक परीक्षण रिपोर्ट प्रत्येक गुरूवार (अवकाश की दशा में अगले दिन) को MNNIT, Prayagraj द्वारा उपलब्ध करायी जायेगी।

भवदीय

(एस. एस. परमार)
परियोजना प्रबन्धक

पृ०सं० एवं दिनांक– उपरोक्तानुसार।

प्रतिलिपि– निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1- कुम्भ मेलाधिकारी, मेला प्राधिकरण, प्रयागराज।
2- नगर आयुक्त, नगर निगम, प्रयागराज।
3- निजी सचिव, प्रबन्ध निदेशक, उ0प्र0 जल निगम (ग्रामीण), लखनऊ।
4- मुख्य अभियन्ता (गंगा), उ0प्र0 जल निगम (ग्रामीण), लखनऊ।
5- मुख्य अभियन्ता (का0क्षे0), उ0प्र0 जल निगम (ग्रामीण), कानपुर।
6- मुख्य अभियन्ता, नगर निगम, प्रयागराज।
7- अधीक्षण अभियन्ता, मण्डल कार्यालय, उ0प्र0 जल निगम (ग्रामीण), प्रयागराज।
8- अधीक्षण अभियन्ता, निर्माण मण्डल, उ0प्र0 जल निगम (नगरीय), प्रयागराज।
9- क्षेत्रीय अधिकारी, उ0प्र0 प्रदूषण नियंत्रण बोर्ड, प्रयागराज।
10- समस्त परियोजना अभियन्ता।

परियोजना प्रबन्धक

कार्यालय परियोजना प्रबन्धक,
गंगा प्रदूषण नियंत्रण इकाई,
उ० प्र० जल निगम (ग्रामीण), प्रयागराज

Email –pm1ganga.allahabad@gmail.com

दिनांक : 11 / 12 /2024

पत्रांक : 1793 / प्राक्कलन / 59

सेवा में,

निदेशक,
एम.एन.एन.आई.टी,
इलाहाबाद (प्रयागराज)।

विषयः– महाकुम्भ–2025 के दृष्टिगत गंगा व यमुना नदी के जल गुणवत्ता का परीक्षण कराये जाने के सम्बन्ध में।

सन्दर्भः–

1. इस कार्यालय का पत्रांक 1573 / प्राक्कलन / 159 दिनांक 21.10.2024
2. आपका पत्रांक 1525 / CED / R&C / 2024–25 दिनांक 05.12.2024

महोदय,

उपरोक्त विषयक सन्दर्भ सं0 1 के क्रम में सन्दर्भ सं0 2 के माध्यम से आपके संस्थान द्वारा प्रयागराज में गंगा व यमुना के अपस्ट्रीम में डी0ओ0, बी0ओ0डी0 एवं फीकल कॉलीफार्म की मात्रा का साप्ताहिक परीक्षण अनिवार्य रूप से किये जाने हेतु प्राक्कलन प्रेषित किया गया है।

अवगत कराना है कि उपरोक्तानुसार साप्ताहिक परीक्षण किये जाने हेतु प्रबन्ध निदेशक महोदय, उ0प्र0 जल निगम (ग्रामीण), लखनऊ द्वारा दिये गये निर्देशों के क्रम में आपको कार्यादेश निम्नलिखित शर्तों के साथ प्रेषित किया जा रहा है।

1. गंगा एवं यमुना नदी के अपस्ट्रीम से Sample Collection का उत्तरदायित्व MNNIT, Prayagraj का होगा। इस हेतु अलग से कोई भी भुगतान देय नहीं होगा।
2. साप्ताहिक परीक्षण रिपोर्ट प्रत्येक गुरूवार (अवकाश की दशा में अगले दिन) को MNNIT, Prayagraj द्वारा उपलब्ध करायी जायेगी।

भवदीय

(एस. एस. परमार)
परियोजना प्रबन्धक

पृ०सं० एवं दिनांक– उपरोक्तानुसार।

प्रतिलिपि– निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. कुम्भ मेलाधिकारी, मेला प्राधिकरण, प्रयागराज।
2. नगर आयुक्त, नगर निगम, प्रयागराज।
3. निजी सचिव, प्रबन्ध निदेशक, उ0प्र0 जल निगम (ग्रामीण), लखनऊ।
4. मुख्य अभियन्ता (गंगा), उ0प्र0 जल निगम (ग्रामीण), लखनऊ।
5. मुख्य अभियन्ता (का0क्षे0), उ0प्र0 जल निगम (ग्रामीण), कानपुर।
6. मुख्य अभियन्ता, नगर निगम, प्रयागराज।
7. अधीक्षण अभियन्ता, मण्डल कार्यालय, उ0प्र0 जल निगम (ग्रामीण), प्रयागराज।
8. अधीक्षण अभियन्ता, निर्माण मण्डल, उ0प्र0 जल निगम (नगरीय), प्रयागराज।
9. क्षेत्रीय अधिकारी, उ0प्र0 प्रदूषण नियंत्रण बोर्ड, प्रयागराज।
10. समस्त परियोजना अभियन्ता।

परियोजना प्रबन्धक

Annexure- R-2

उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
UTTAR PRADESH POLLUTION CONTROL BOARD

LiFE Lifestyle for Environment

संदर्भ सं0 G/ 4445 22/UPPCB/CL 250/AAW/ 2024 दिनाँक– 12/12/2024

सेवा में,

परियोजना निदेशक,
नमामि गंगे तथा ग्रामीण जलापूर्ति विभाग,
कार्यालय, राज्य स्वच्छ गंगा मिशन, उ0प्र0।

विषय–मा0 एन0जी0टी0 में आच्छादित ओ0ए0 संख्या–310/2022 कमलेश सिंह बनाम उ0प्र0 राज्य व अन्य में दाखिल किये जाने वाले शपथ पत्र हेतु सूचना उपलब्ध कराने के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक आपके पत्र संख्या–1246/768(16)एस0एम0सी0जी0/ दिनांक 12.12.2024 के संदर्भ मे प्रयागराज जनपद मे स्थित समस्त एस0टी0पी0 की विगत 06 माह की अनुपालन स्थिति तथा गंगा में 04 बिन्दुओं व यमुना नदी में 04 बिन्दुओं की माहवार जल गुणवत्ता आख्या संकलित कर अग्रिम आवश्यक कार्यवाही हेतु प्रेषित की जा रही है।

<u>संलग्नक</u>–यथोपरि

भवदीय

Sk

(संजीव कुमार सिंह)
सदस्य सचिव

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Email : info@uppcb.com
WebSite : www.uppcb.com

U.P. Pollution Control Board

STPs in Prayagraj

June -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	25.06.2024	7.32	24.0	56.0	32.0	17000	680
2	10 MLD STP Ponghat	10	25.06.2024	7.20	20.0	48.0	38.0	7900	400
3	25 MLD STP Kodra	25	25.06.2024	7.16	25.0	58.0	20.0	12000	450
4	60 MLD STP Rajapur	60	25.06.2024	7.29	28.0	60.0	38.0	24000	680
5	29 MLD STP Salori-1	29	25.06.2024	7.08	26.0	60.0	39.0	43000	920
6	14 MLD STP Salori-2 Expansion	14	25.06.2024	6.90	12.0	28.0	14.0	9400	400
7	20 MLD STP Naini	80 (60+20)	25.06.2024	7.17	27.0	62.0	36.0	22000	680
8	60 MLD STP Naini		25.06.2024	7.17	27.0	62.0	36.0	22000	680
9	42 MLD STP Naini	42	25.06.2024	7.12	22.0	42.0	30.0	21000	680
10	14 MLD STP Phaphamau	14	25.06.2024	7.22	18.0	40.0	19.0	8400	400
11	16 MLD Jhunsi	16	25.06.2024	7.15	22.0	44.0	34.0	9400	400

JRF
12/12/2024

SA
12.12.24

(A.S.O)
12/12/24

U.P. Pollution Control Board

STPs in Prayagraj

July -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	30.07.2024	7.32	23.4	52.0	80.0	940	490
2	10 MLD STP Ponghat	10	30.07.2024	7.42	24.4	102.0	84.0	630	330
3	25 MLD STP Kodra	25	30.07.2024	7.58	26.6	106.0	92.0	840	580
4	60 MLD STP Rajapur	60	30.07.2024	7.44	28.4	108.0	94.0	940	430
5	29 MLD STP Salori-1	29	30.07.2024	7.38	27.4	114.0	92.0	1300	790
6	14 MLD STP Salori-2 Expansion	14	30.07.2024	7.46	26.2	110.0	88.0	840	460
7	20 MLD STP Naini	80 (60+20)	30.07.2024	7.41	24.2	98.0	86.0	1400	940
8	60 MLD STP Naini		30.07.2024	7.41	24.2	98.0	86.0	1400	940
9	42 MLD STP Naini	42	30.07.2024	7.26	25.6	104.0	90.0	1200	630
10	14 MLD STP Phaphamau	14	30.07.2024	7.40	25.4	104.0	86.0	790	490
11	16 MLD Jhunsi	16	30.07.2024	* Non-Operational					

* Jhunsi STP will remain closed throughout the flood season due to Non-operational of shastri-bridge SPS & Jhunsi MPS.

JRF
12/12/2024

SA
12.12.24

12/12/24

U.P. Pollution Control Board

STPs in Prayagraj

Aug-2024

S.No.	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	27.08.2024	7.31	24.0	72.0	64.0	1500	630
2	10 MLD STP Ponghat	10	27.08.2024	7.28	21.0	64.0	54.0	1200	460
3	25 MLD STP Kodra	25	27.08.2024	7.30	22.0	68.0	60.0	1400	700
4	60 MLD STP Rajapur	60	27.08.2024	7.38	27.4	88.0	74.0	2400	790
5	29 MLD STP Salori-1	29	27.08.2024	7.37	26.8	80.0	72.0	2100	940
6	14 MLD STP Salori-2 Expansion	14	27.08.2024	7.25	20.0	60.0	52.0	940	490
7	20 MLD STP Naini	80 (60+20)	27.08.2024	7.39	27.0	84.0	70.0	1700	790
8	60 MLD STP Naini		27.08.2024	7.31	24.0	72.0	64.0	1500	630
9	42 MLD STP Naini	42	27.08.2024	7.28	22.0	68.0	58.0	1300	490
10	14 MLD STP Phaphamau	14	27.08.2024	7.25	21.0	64.0	56.0	840	460
11	16 MLD Jhunsi	16		Not Operational*					

*Jhunsi STP will remain closed throughout the flood season due to Non-operational of shastri-bridge SPS & Jhunsi MPS.

JRA 12/12/2024

SA 12.12.24

12/12/24

U.P. Pollution Control Board

STPs in Prayagraj

Sep -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	24.09.2024	7.30	22.0	68.0	66.0	1400	700
2	10 MLD STP Ponghat	10	24.09.2024	7.28	20.0	60.0	61.0	1300	490
3	25 MLD STP Kodra	25	24.09.2024	7.29	24.0	68.0	60.0	1300	790
4	60 MLD STP Rajapur	60	24.09.2024	7.39	26.0	80.0	75.0	2100	940
5	29 MLD STP Salori-1	29	24.09.2024	7.32	24.0	68.0	71.0	1700	940
6	14 MLD STP Salori-2 Expansion	14	24.09.2024	7.21	18.0	60.0	55.0	940	490
7	20 MLD STP Naini	80 (60+20)	24.09.2024	7.38	26.0	84.0	77.0	1500	840
8	60 MLD STP Naini		24.09.2024	7.38	26.0	84.0	77.0	1500	840
9	42 MLD STP Naini	42	24.09.2024	7.33	24.0	72.0	64.0	1200	630
10	14 MLD STP Phaphamau	14	24.09.2024	7.27	20.0	64.0	59.0	940	460
11	16 MLD Jhunsi	16	24.09.2024	Not Operational*					

*Jhunsi STP will remain closed throughout the flood season due to Non-operational of shastri-bridge SPS & Jhunsi MPS.

JRF 12/12/2024

SA 12.12.24

12/12/24

U.P. Pollution Control Board

STPs in Prayagraj

Oct -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	29.10.2024	7.32	23.0	72.0	73.0	1400	490
2	10 MLD STP Ponghat	10	29.10.2024	7.25	19.0	56.0	58.0	1200	630
3	25 MLD STP Kodra	25	29.10.2024	7.23	21.0	68.0	71.0	1300	490
4	60 MLD STP Rajapur	60	29.10.2024	7.36	26.0	88.0	80.0	2400	790
5	29 MLD STP Salori-1	29	29.10.2024	7.39	25.0	84.0	78.0	2100	630
6	14 MLD STP Salori-2 Expansion	14	29.10.2024	7.21	19.0	52.0	56.0	940	490
7	20 MLD STP Naini	80 (60+20)	29.10.2024	7.35	24.0	84.0	74.0	1500	630
8	60 MLD STP Naini		29.10.2024	7.35	24.0	84.0	74.0	1500	630
9	42 MLD STP Naini	42	29.10.2024	7.24	21.0	64.0	71.0	1100	460
10	14 MLD STP Phaphamau	14	29.10.2024	7.26	21.0	60.0	63.0	840	460
11	16 MLD Jhunsi	16	29.10.2024	Not Operational*					

*Jhunsi STP will remain closed throughout the flood season due to Non-operational of shastri-bridge SPS & Jhunsi MPS.

JRF
12/12/2024

SA
12.12.24

12/12/24

U.P. Pollution Control Board

STPs in Prayagraj

Nov -2024

S.No	Name of STP, Location	Installed Capacity (MLD)	Date	pH	BOD mg/l	COD mg/l	TSS mg/l	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)
1	50 MLD STP Numayadahi	50	26.11.2024	7.36	27.2	88.0	82.0	2200	780
2	10 MLD STP Ponghat	10	26.11.2024	7.21	25.4	76.0	78.0	1500	610
3	25 MLD STP Kodra	25	26.11.2024	7.26	25.8	80.0	79.0	1700	680
4	60 MLD STP Rajapur	60	26.11.2024	7.34	27.0	92.0	88.0	2500	910
5	29 MLD STP Salori-1	29	26.11.2024	7.33	27.4	100.0	86.0	2700	930
6	14 MLD STP Salori-2 Expansion	14	26.11.2024	7.28	25.2	80.0	72.0	1300	610
7	20 MLD STP Naini	80 (60+20)	26.11.2024	7.37	27.6	108.0	90.0	2400	930
8	60 MLD STP Naini		26.11.2024	7.37	27.6	108.0	90.0	2400	930
9	42 MLD STP Naini	42	26.11.2024	7.24	26.0	84.0	85.0	2100	680
10	14 MLD STP Phaphamau	14	26.11.2024	7.27	25.6	79.0	79.0	1400	610
11	16 MLD Jhunsi	16	26.11.2024	Not Operational*					

*Jhusi STP will Remain closed due to the main trunk sewer line has been settled down at some places because of joints opening in between Haweliya and Lakkad Nala I& D which needs immediate repairing for smooth operation of I&D

SRE 12/12/2024

SA 12.12.24

12/12/24

Water Quality Of River Ganga in Prayagraj
Year- 2024

Month	U/s Prayagraj (Rasoolabad Ghat)						D/s Prayagraj						B/c Tamsa river, at Prachin Shivalaya Dumduma ghat						a/c Tamsa river, Sirsa, Son Barsa					
	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	FaecalColiform (MPN/100ml)
Jun-24	8.23	8.5	2.8	12.0	2200	680	8.16	8.6	2.8	14.0	2400	920	8.32	8.2	2.7	12.0	1700	450	8.33	8.2	2.7	14.0	1400	450
Jul-24	8.22	7.9	2.8	10.0	2100	680	8.28	8.2	2.6	10.0	2400	920	7.85	8.5	2.7	8.0	2000	680	8.03	8.5	2.5	10.0	2100	680
Aug-24	7.90	8.4	2.6	8.0	1700	610	7.89	8.0	2.5	8.0	2000	680	7.72	8.1	2.5	8.0	1700	680	7.75	8.2	2.5	8.0	1700	680
Sep-24	7.76	8.3	2.4	8.0	2000	680	7.96	8.1	2.5	10.0	2200	780	7.76	8.2	2.4	6.0	1400	450	7.70	8.3	2.4	6.0	2100	780
Oct-24	7.85	8.1	2.7	10.0	2100	600	8.11	8.0	2.8	8.0	2300	780	7.80	8.4	2.6	8.0	2100	600	7.88	8.5	2.6	6.0	2000	680
Nov-24	7.67	7.9	3.0	12.0	2700	1400	7.92	8.0	3.1	12.0	3300	2200	7.80	8.1	2.9	10.0	2500	1100	7.91	8.1	3.0	10.0	2500	1300
Average	7.94	**8.19**	**2.72**	**10.00**	**2133**	**775**	**8.05**	**8.15**	**2.72**	**10.33**	**2433**	**1047**	**7.88**	**8.25**	**2.63**	**8.67**	**1900**	**660**	**7.93**	**8.30**	**2.62**	**9.00**	**1967**	**762**
Category	C						C						C						C					

Class of water		A	B	C	D	E
1	Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	–
2	Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	–	–
3	Total Coliform (MPN/100ml), max	50	500	5000	–	–

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

Below - E = Not meeting A,B,C,D & E criteria

(SA)

(A.S.D)

(I/c Lab)

Water Quality of River Yamuna In Praygraj UP
Year 2024

S.N.	Month	1 U/s Water Intake, Praygraj						2 D/s Balua Ghat Praygraj						3 D/s Chhachhar nala, Prayagraj						4 D/s Emergency Outfall, Prayagraj					
		pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	pH	DO (mg/l)	BOD(mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)
1	June	8.15	8.4	2.4	8.0	1200	400	8.20	8.3	2.6	10.0	1400	450	8.24	8.2	2.6	10.0	1500	610	8.23	8.2	2.5	10.0	1300	450
2	July	8.11	8.5	2.1	6.0	1200	400	8.24	8.0	2.5	8.0	1400	450	8.25	8.1	2.4	8.0	1400	450	8.28	8.0	2.5	6.0	1300	450
3	August	7.80	8.3	2.3	6.0	1300	450	7.75	8.1	2.5	8.0	1500	610	7.60	8.0	2.5	8.0	1700	610	7.65	7.8	2.5	8.0	1400	450
4	September	7.73	8.1	2.1	6.0	1200	400	7.81	7.8	2.4	6.0	1500	610	7.72	7.9	2.4	8.0	1500	610	7.80	7.9	2.3	6.0	1300	450
5	October	7.85	8.2	2.2	6.0	1300	450	7.87	7.7	2.3	6.0	1700	600	7.83	8.1	2.5	8.0	1700	680	7.82	7.7	2.5	8.0	1700	610
6	November	7.78	8.0	2.6	8.0	2700	1400	7.76	7.6	3.2	12.0	2700	1700	7.75	7.8	3.0	10.0	2800	1700	7.77	7.5	3.0	10.0	2600	1400
Average		**7.90**	**8.3**	**2.3**	**6.7**	**1483**	**583**	**7.94**	**7.9**	**2.6**	**8.3**	**1700**	**737**	**7.90**	**8.0**	**2.6**	**8.7**	**1767**	**777**	**7.93**	**7.9**	**2.6**	**8.0**	**1600**	**635**
Category		C						C						C						C					

Class of water		A	B	C	D	E	Below E
1	Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	_	_
2	Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	_	_	_
3	Total Coliform (MPN/100ml), max	50	500	5000	_	_	_

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

Below - E = Not meeting A,B,C,D & E criteria

Source: http://www.cpcb.nic.in/Water_Quality_Criteria.php

Priya
S-A
12/12/24

(ASO)
12/12/24

E-mail-zcejnvar@gmail.com

उत्तर प्रदेश जल निगम

कार्यालय मुख्य अभियन्ता (प्रयाग0क्षे0),
उ0प्र0 जल निगम (नगरीय), 6–दयानन्द मार्ग, प्रयागराज।

पत्रांक 2199 / N.U.T / 9 दिनांक 13/12/24

सेवा में,

प्रबन्ध निदेशक,
उ0प्र0 जल निगम(नगरीय),
लखनऊ।

विषयः–मा0 राष्ट्रीय हरित अधिकरण नई दिल्ली में योजित ओ0ए0 सं0–310/2022 कमलेश सिंह बनाम उ0प्र0 राज्य एवं अन्य में दिनांक 09.12.2024 को पारित आदेश के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक मा0 राष्ट्रीय हरित अधिकरण नई दिल्ली में योजित ओ0ए0 सं0–310/2022 कमलेश सिंह बनाम उ0प्र0 राज्य एवं अन्य में दिनांक 09.12.2024 को पारित आदेश के अनुपालन में नगर निगम प्रयागराज में आगामी महाकुम्भ के दृष्टिगत उ0प्र0 जल निगम(नगरीय) द्वारा सम्पादित कराये जा रहे सीवरेज कार्यो के सम्बन्ध में आख्या इस पत्र के साथ संलग्न कर अग्रिम आवश्यक कार्यवाही हेतु प्रेषित की जा रही है।

संलग्नकः–उपरोक्तानुसार।

भवदीय

13.12.2024

(संजय कुमार गौतम)
मुख्य अभियन्ता(प्रया0क्षेत्र)

पृ0सं0 एवं दिनांक उपरोक्तानुसार।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषितः–

1 कुम्भ मेलाधिकारी, प्रयागराज मेला प्राधिकरण , प्रयागराज।
2 संयुक्त प्रबन्ध निदेशक(नागर), उ0प्र0 जल निगम (नगरीय), लखनऊ।
3 मुख्य अभियन्ता(नागर), उ0प्र0 जल निगम(नगरीय), लखनऊ ।
4 अधीक्षण अभियन्ता, निर्माण मण्डल, उ0प्र0 जल निगम (नगरीय), प्रयागराज।
5 अधिशासी अभियन्ता, निर्माण खण्ड(प्रथम), उ0प्र0 जल निगम(नगरीय), प्रयागराज।

मुख्य अभियन्ता(प्रया0क्षेत्र)

Annexure- R-3

No. Pr - 12012/4/2024 - O/o Project Development (UP) NMCG
भारत सरकार, जल शक्ति मंत्रालय
जल संसाधन, नदी विकास एवं गंगा संरक्षण विभाग
राष्ट्रीय स्वच्छ गंगा मिशन

प्रथम तल, मेजर ध्यानचंद नेशनल स्टेडियम,
इंडिया गेट, नई दिल्ली
दिनांक: 24th July 2024

सेवा में,
The Principal Secretary (UDD) & Project Director (UP-SMCG),
Plot No. 18, Sector 7, Gomti Nagar Extension,
Lucknow, UP – 226002

Sub: Administrative Approval and Expenditure Sanction for "Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj, Uttar Pradesh" under Namami Gange Program, with 100% central sector support at an estimated cost of ₹55.57 Crore (Rupees Fifty Five Crore and Fifty Seven Lakh only) including GST.

महोदय,

I am directed to convey the grant of Administrative Approval and Expenditure Sanction (AA&ES) for the project "Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh" under National Ganga Plan (NGP) – Non EAP budget head of Namami Gange Mission – II, with 100% central sector support at an estimated cost of **₹55.57 Crore (Rupees Fifty Five Crore and Fifty Seven Lakh only) including GST** with the following major component:

i. Interception of 22 drains and treatment of 70 MLD waste water from these drains in 6 packages and pumping of about 3 MLD waste water from 2 drains into nearby STP/ SPS/ Wet Well

2. The summary of cost is given at **Annexure-I.**

3. Administrative Approval and Expenditure Sanction for the project is granted subject to General & Technical conditions as per **Annexure-II**, Specific conditions and directions of EC as per **Annexure-III** and FInancial conditions as per **Annexure IV.**

4. The deployment period will be 6 months from the date of issue of LOA or up to 30th June 2025, whichever is earlier, with proportionate financial implications.

5. EA may obtain necessary permissions / clearances, wherever required, for the project before awarding the contract.

6. Any procurement of goods, works, services and consultancy if required by the EA as part of implementing the project proposal shall be made strictly as per the applicable prevailing procurement guidelines.

7. Any cost escalation over and above the sanctioned cost due to delay in land acquisition, change in scope post approval of AA&ES etc., need to be borne by Government of Uttar Pradesh.

8. The sanctioned cost of the project will be borne from the 'National Ganga Plan – Non EAP' budget head. The NMCG/Government of India reserves the right to withdraw the sanction at any stage, if it is convinced that the fund has not been properly utilized or appropriate progress is not being made.

9. In case of violation of any of the conditions of the grant or in case of closure or dissolution of the grantee organization, the Government shall take possession of all the assets of the organization acquired out of the Government grants and use them in any manner deemed appropriate or to recover from the organization the value of such assets at its discretion.

10. This AA&ES is issued based on the appraisal and sanction of the Executive Committee vide its 55th meeting held on 5th July 2024 as well as the approval of Director General – National Mission for Clean Ganga vide eoffice Note#39 dated 24.07.2024 and concurrence of ED (Finance), NMCG vide eoffice Note#35 dated 24.07.2024.

(बिनोद कुमार)
निदेशक (परियोजनाएँ), एनएमसीजी

जानकारी एवं आवश्यक कार्यवाही हेतु प्रतिलिपि:

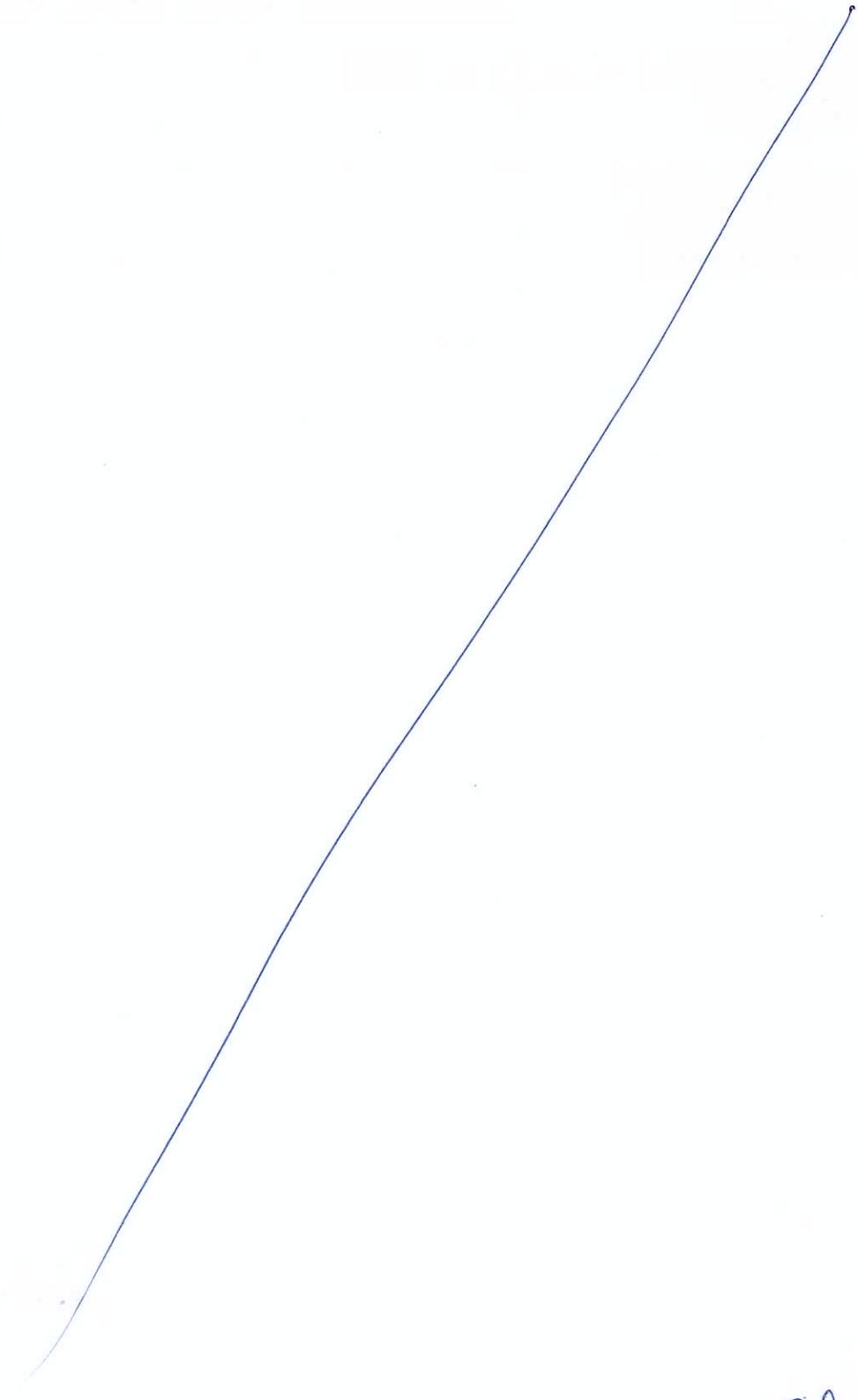
1) The Chief Secretary, Government of Uttar Pradesh, Lucknow-226001.
2) The Divisional Commissioner, Prayagraj Division, Prayagraj, Uttar Pradesh.
3) The District Magistrate, Prayagraj, Uttar Pradesh.
4) The Municipal Commissioner, Prayagraj Nagar Nigam, 1, Sarojini Naidu Marg, Allahabad, Uttar Pradesh – 211001.

जानकारी हेतु प्रतिलिपि:

1) PS to Hon'ble Minister (MoJS), Shram Shakti Bhawan, New Delhi
2) PPS to Secretary, MoJS, DoWR, RD & GR, Shram Shakti Bhawan, New Delhi
3) PS to DG/ DDG/ Executive Director (Projects) / Executive Director (Finance) / Executive Director (Technical) / Executive Director (Admin), NMCG, New Delhi.
4) Dr. Kapil Kumar, Assistant Professor, Dept. of Civil Engineering, NIT Delhi.
5) NMCG Officials/ Sanction Folder/ Guard File/ Computer Cell, MIS/ NMCG.

(बिनोद कुमार)

निदेशक (परियोजनाएँ), एनएमसीजी



Annexure - I

Summary of project cost for the project "Remediation of 22 untapped drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh"

(Amount in ₹ Crore)

Item	Recommended Proposal Cost for 180 days
Flow - 70 MLD	
Unit Cost of Treatment (Rs. Per MLD) - Rs. 35000	
Bare Treatment Cost	44.10
GST	7.94
DPR Preparation & Supervision Charges (@8% GOI Share)	3.53
Project Cost (GOI Share)	**55.57**

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Annexure - II

General & Technical conditions for the project on 'Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh'

1. The Uttar Pradesh State Mission for Clean Ganga (UPSMCG), which is a registered society, shall be responsible for overall planning, management and effective implementation of the project at state level.
2. Prayagraj Nagar Nigam or any other State Executing Agency, decided by Government of Uttar Pradesh, shall be the executing agency (EA) for the project, to be implemented under the guidance of Mela Authority Prayagraj and UPSMCG, as per provisions laid down in the NGRBA programme framework.
3. This is special financial assistance to the State for Mahakumbh 2025 at Prayagraj under Namami Gange Programme.
4. State Government need to regularly monitor the river (Ganga/ Yamuna) water quality through UPPCB during Mahakumbh 2025 at upstream, downstream and other suitable/ critical locations.
5. EA/ State Government need to ensure possession of suitable land parcels expeditiously for grounding the works in time.
6. EA shall ensure that the proposed remediation systems are commissioned at the earliest latest by 31.12.2024.
7. Proper investigation should be carried out before execution of work to achieve economy in the proposal as well as to avoid any shortfall in the design.
8. Towards implementation of the project, synergy shall be ensured with other Central/ State sponsored programme like AMRUT etc. and shall be aligned with the city sanitation plan.
9. All infrastructure projects need to conduct project specific IEC activities and detailed plan for such activities to be submitted to NMCG. The hiring of suitable agency need to be completed prior to start of work.
10. "Namami Gange" signage to be placed at all the project sites approved under Namami Gange programme.
11. Adequate provision shall be kept in the bid document to invite bid with GST inclusive cost.
12. SMCG need to take steps to prepare bid documents in line with the Model Bid Document (MBD) for projects funded under National Ganga Plan.
13. The activities proposed under the project shall conform to all Environmental Legislations and the NGRBA programme framework.
14. No untreated municipal/domestic wastewater should be allowed to fall in the river Ganga from the town during Mahakumbh Mela 2025 and project development period.
15. Standard procedure as indicated in the CPHEEO manual on Sewerage & Sewage Treatment, NGRBA Guidelines and codes of practice of BIS will be strictly followed during project implementation.
16. Progress of implementation of the project shall be closely monitored by the State Government of UP /SMCG, so as to ensure that the project is completed within the stipulated period of time. In addition, the progress (Physical & Financial, including funds utilization certificates) needs to be reported to NMCG on regular basis and as and when requested.
17. The actual project cost shall be the awarded cost. State government need to seek NOC from NMCG for the Technical & Financial bid evaluation.

18. It is the responsibility of the SMCG and Executing Agency to ensure adequate training to all personnel engaged during construction for quality of construction works.
19. SMCG and EA shall ensure regular monitoring of the project in accordance with the NGRBA framework.
20. Guidelines issued by Ministry of Finance, Ministry of Home Affairs and other governing organizations regarding disaster management as applicable be adhered to during project execution.
21. SMCG shall ensure appointment of agency for third party inspection (TPI)/ evaluation of the project.
22. All components of the project shall be completed within specified time limits and the resources and outputs and outcomes are to be ensured as envisaged in the approved project Completion Report shall be submitted to NMCG on completion of the project.
23. Any additional component relevant for project or any component requiring modification or deletion, may be added or modified or deleted as the case may be, only with the prior approval of the Competent Authority.
24. Staffs that may be employed for preparation, execution or operation of the project by the EA are not to be treated as employees of the SMCG/ NMCG. The deployment of such staff at the time of completion or termination of the project will not be the concern or liability of the SMCG/ NMCG.
25. Optimal utilization of the assets relating to the project and created under Ganga Action Plan or any other Central /State Plan shall also be ensured by the SMCG/EA/ULB.
26. All data, records, documents and material related to the project shall be stored properly and catalogued by the SMCG/ EA for reference and retrieval including regular uploading /disclosure/updating of such data on website.
27. The State/ SMCG/ EA shall ensure that all provisions of the RTI Act 2005 are adhered to as far as information pertaining to the project is concerned.
28. The State/ SMCG/ ULB shall ensure that public is informed in Prayagraj regarding implementation of the project and soliciting their cooperation and views as applicable.
29. For the provisions made under IEC activities, the SMCG shall make suitable arrangements with Prayagraj Nagar Nigam for executing the 'Communication and Public Outreach' programmed under its supervision towards sensitization of people for abatement of pollution.
30. NMCG shall not be responsible for any damage due to natural calamities or any other reasons. State Government is advised to insure the assets at their own cost after suitable risk assessment.
31. All the specific conditions and generic conditions mentioned in the AA&ES are to be complied by the SMCG through their Executing Agency. The SMCG will ensure fulfillment of such conditions before finalizing the bid(s) by the EA.
32. The Monthly Physical Progress Reports (MPPRs) shall be submitted by the 10th day of every month regularly by the EA to the SMCG and by the 20th day of every month regularly by the SMCG to the NMCG. The Quarterly Physical Progress Report (QPPRs) shall be submitted to the SMCG Bihar and NMCG within 30 days from the end of each quarter.
33. The signing officers will indicate her/his name and designation in full in capital letters and commencement of processing the case, ink-signed MPPR must follow by Post.

34. EA shall ensure close daily monitoring of the flow and KPIs to ensure compliance and transparent payment mechanism. UPSMCG and DGC shall monitor the project from time to time and also monitor implementation performance of the EA.

35. The SMCG shall ensure appointment of agency (ies) for third party inspection (TPI). The EA through the SMCG shall submit copies of the TPI Reports along with their responses/comments to the NMCG. Releases of fund will be subject to compliance of TPI reports.

36. Conditions/ commitments indicated in the Executive Committee (EC) memo/ minutes and other related documents shall be strictly adhered to in the project implementation and management. Copy of EC memo, minutes and other documents are already circulated. The SMCG will ensure fulfilment of such conditions before finalizing the bid(s) by the EA.

37. The NMCG may depute any person to visit the SMCG/ EA for the purpose of monitoring its work and accounts of the SMCG. Full cooperation shall be provided by the executing agency to the persons deputed for inspection.

38. Director General, NMCG may monitor overall progress of project periodically from time to time.

Annexure - III

Specific conditions and directions of EC on Administrative Approval and Expenditure Sanction for the project on 'Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh'

i. The tendering and overall implementation management of the proposal shall be done by the Prayagraj Nagar Nigam or any other State Executing Agency, as decided by the State Government.
ii. The project need to be tendered on "Open/ Neutral technology" with treated effluent KPIs under the project as, pH – 6.5 to 8.5; BOD - ≤ 30 mg/l; COD - ≤ 100 mg/l; TSS - ≤ 50 mg/l; FC - ≤230 MPN/ 100 ml and DO - ≤ 5 mg/l.
iii. The deployment period will be 6 months from the date of issue of LOA or up to 30th June 2025 with proportionate financial implications.
iv. The project should be implemented with proper coffering and suitable site management so as to generate public confidence about the project.

Annexure – IV

Financial Aspects:

The release of funds is subject to the following terms and conditions: -

1 Flow of Funds:

i. Assignment limits to SMCG – UP are allocated by the National Mission for Clean Ganga from time to time as per Treasury Single Account (TSA) system, based on projected fund requirements. Funds for the present project will be made available by SMCG – UP from the overall assignment limit. The objective of the TSA is to ensure "just in time release" and eliminate/ reduce parking of funds at all levels of project implementation.

ii. The TSA guidelines prohibit transfer of funds by Autonomous bodies (ABs)/ Sub-ABs to their own Bank Accounts as this is akin to acting like one's own vendor. SPMGs will, therefore, ensure that no assignments limit is transferred to their Bank Accounts, and all payments from Assignment Limits are made directly to executing agencies/ vendors/ contractors.

iii. SMCGs will ensure that no parking of fund happens while transferring fund from SMCG to the executing agency and from executing agency to contractors/ vendors. Such transfer must be effected "just in time", and should be as reimbursement of bills raised/ submitted.

iv. Since the fund flow is based on "just in time release", there should not be any accrual of interest on grants-in-aid received from NMCG. However, any interest earned on the grant received from NMCG/ GoI should mandatorily be remitted back to NMCG immediately after finalization of accounts for depositing the same to the Consolidated Fund of India.

v. The assignment limit allocated to SMCG – UP will lapse at the end of financial year.

vi. Allocation of assignment limit to SMCG is not counted as expenditure under TSA. Only final payment to executing agency/ contractor/ vendor is counted as expenditure. Hence, all bills raised by the EA should be settled immediately.

2 Audit:

i. The Comptroller & Auditor General of India at his discretion shall have the right of access to the project related books of accounts of the SMCG – UP/ Executing agency for the purpose of Audit.

ii. The books of accounts of the grantee, relating to this grant, shall be open to audit by the Internal Auditor and External Auditor of National Mission for Clean Ganga.

iii. SMCG to ensure that all financial documents related to the project are maintained by the EA for submission to NMCG/ Audit on demand.

3 Submission of Utilization Certificate (UC) by the SPMG:

i. The quarterly Utilization Certificates (UCs) in respect of grant-in-aid received during various quarters shall be furnished by the SMCG to the NMCG in prescribed format (GFR 12-A), duly signed and stamped by the Head of the Organization and Chief Finance Officer, within 30 days from the end of quarter.

ii. The subsequent allocation of Assignment limit will be made based on Utilization Certificate/ Expenditure Statement of the previously allocated assignment limit.
iii. The UCs, in addition to the financial progress, should also indicate physical progress/ outcomes achieved, in the format circulated vide DO No. FN-18011/1/2022/ ED (F)/ NMCG dated 10.10.2022 from Executive Director (Finance), NMCG.

4 Other Aspects:

i. A monthly 'Accounting and Financial Report (AFR)', to be developed by the EA in consultation with SPMG. EA will furnish the AFR to SMCG by the 10th day of every month as per the 'Financial Management Manual (FMM)' of the NGRBA framework. As part of the AFR, the EA shall submit the following documents:
   a. Invoices of the suppliers/ contractors against which online payment instructions issued by the EA in the previous month.
   b. A list of invoices received and not paid during the previous month.
   c. A list of contracts signed during the previous month.
ii. An Annual Plan shall be prepared by the month of November every year for the next financial year as per the provisions made in the NGRBA programme framework and submitted by the SMCG to the NMCG for necessary approval and budget allocations.
iii. The SMCG/ULB shall take all necessary legal and executive measures to ensure adequate resources available for operation & maintenance of the assets created under the Project to fulfill its mandate.
iv. The SMCG/EA are not permitted to seek or utilize funds for the same purpose from any other organization (Government, semi-Government, autonomous or private) without prior approval of the Competent Authority.
v. The sanctioned amount should be spent exclusively as per the scope of the project and within the stipulated time. The liability of NMCG will not exceed the amount sanctioned for the project. For carrying forward any work(s) /activities beyond the specified time limit prior approval of the NMCG should be obtained.
vi. It is the responsibility of the SMCG/EA/ULB to ensure that the assets are exclusively used for the purpose for which grant is sanctioned and to maintain the assets and their records properly.
vii. All the assets acquired/created out of the grants shall not be disposed of, encumbered, or utilized for any purpose other than that for which sanctioned without prior approval of the Government.
viii. O&M costs will be considered for release only after the project construction is complete and a realistic plan for use of O&M cost based upon actual sewerage load to be submitted.
ix. Any payments made on account of project preparation by NMCG relating to this project shall be adjusted accordingly from the project preparation head.

5 General Financial Rules, 2017:

All relevant provisions of General Financial Rules, 2017, as amended from time to time, will be applicable to grantee organization.

E-mail-zcejnvar@gmail.com

उत्तर प्रदेश जल निगम

कार्यालय मुख्य अभियन्ता (प्रयाग0क्षे0),
उ0प्र0 जल निगम (नगरीय), 6–दयानन्द मार्ग, प्रयागराज।

पत्रांक 2199 / MIT / 9 दिनांक 13/12/24

सेवा में,

प्रबन्ध निदेशक,
उ0प्र0 जल निगम(नगरीय),
लखनऊ।

विषयः–मा0 राष्ट्रीय हरित अधिकरण नई दिल्ली में योजित ओ0ए0 सं0–310/2022 कमलेश सिंह बनाम उ0प्र0 राज्य एवं अन्य में दिनांक 09.12.2024 को पारित आदेश के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक मा0 राष्ट्रीय हरित अधिकरण नई दिल्ली में योजित ओ0ए0 सं0–310/2022 कमलेश सिंह बनाम उ0प्र0 राज्य एवं अन्य में दिनांक 09.12.2024 को पारित आदेश के अनुपालन में नगर निगम प्रयागराज में आगामी महाकुम्भ के दृष्टिगत उ0प्र0 जल निगम(नगरीय) द्वारा सम्पादित कराये जा रहे सीवरेज कार्यो के सम्बन्ध में आख्या इस पत्र के साथ संलग्न कर अग्रिम आवश्यक कार्यवाही हेतु प्रेषित की जा रही है।

संलग्नकः–उपरोक्तानुसार।

भवदीय

(संजय कुमार गौतम)
मुख्य अभियन्ता(प्रया0क्षेत्र)

पृ0सं0 एवं दिनांक उपरोक्तानुसार।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषितः–

1 कुम्भ मेलाधिकारी, प्रयागराज मेला प्राधिकरण , प्रयागराज।
2 संयुक्त प्रबन्ध निदेशक(नागर), उ0प्र0 जल निगम (नगरीय), लखनऊ।
3 मुख्य अभियन्ता(नागर), उ0प्र0 जल निगम(नगरीय), लखनऊ ।
4 अधीक्षण अभियन्ता, निर्माण मण्डल, उ0प्र0 जल निगम (नगरीय), प्रयागराज।
5 अधिशासी अभियन्ता, निर्माण खण्ड(प्रथम), उ0प्र0 जल निगम(नगरीय), प्रयागराज।

13.12.24

मुख्य अभियन्ता(प्रया0क्षेत्र)

Information related to NGT OA -310/2022 Kamlesh Singh vs State of UP and Others

1- Report of STP:-

There are 10 STP's in Municipal Corporation Prayagraj out of which only one STP namely 14 MLD STP Salori is being maintained by U.P. Jal Nigam (Urban) and Remaining 09 Nos STP's are being maintained by U P Jal Nigam (Rural) . 14 MLD STP at Salori is Based on Sequential Batch Reactor (SBR Technology) and the treated effluent of this STP have been designed for meeting following treated effluent standards : -

(i) BOD –Less than 20 mg/ litre
(ii) TSS- Less than 20 mg/litre
(iii) COD- Less than 100 mg/litre
(iv) Feacal Coliform –Less than 1000 MPN Per 100 ml

The STP has been designed to meet the norms laid down by Ministry of Environment Forest and Climate Change on 13.10.2017. This STP is operating at its full capacity i.e. 14 MLD. The Test Report of treated effluent as per OCEMS installed at STP outlet for the month of April 2024 to Nov 2024 is attached as **Annexure-1.**

As per the attached Report , the STP is meeting the desired treated effluent parameters. No Untreated Sewage is being discharged from this STP.

2-Reports of Drains Proposed to be Permanently Intercepted and Diverted to STP For Treatent:-

Out of 81 Drains in Nagar Nigam Prayagraj following 05 Drains are Proposed to be Permanently Tapped by U.P. Jal Nigam (Urban) .

I. Karelabagh Drain.
II. Karelabagh Drain A-1
III. Karelabagh Drain A-2
IV. Nehru Park Drain
V. Yadavpur Drain

Drains at Serial no. 01 to 03 and 05 have been tapped with Sewerage Network and for Drains at Serial no. 04, the work of Interception and Diversion is in Progress under Maha kumbh-2025 Programme , which will be completed by 31.12.2024.

Photographs of Tapped Drains:-

3-Remediation of 29 Nos Untapped Drains in Municipal Corporation Prayagraj by Geosynthetic Dewatering tubes Filtration followed by Advanced Oxidation Process.

The Project for Remediation of Untapped Drains has been approved by National Mission for Clean Ganga(NMCG) Vide AAES No- Pr-12012/4/2024-O/o Project Development (UP) NMCG Dated 24.07.2024. **(Annexure-2).**

Remediation / Treatment of following 29 Nos Untapped drains will be carried out by U P Jal Nigam(Urban) as executing Agency during Maha Kumbh Mela Period .

Annexure – R – 4

1- Rajapur Drain- 27.166 MLD
2- ADA Colony Drain/ Jwala Devi Drain - 4.277 MLD
3- Jondhwal Drain- 6.753 MLD
4- Shankar Ghat Drain No. 01 - 0.444 MLD
5- Shankar Ghat Drain No. 02- 0.946 MLD
6- Shankar Ghat Colony Drain (Near Phaphamau Bridge)- 0.951 MLD
7- Sadar Bazar Drain -4.787 MLD
8- Salori Drain(Partially) – 8.783 MLD
9- Shivkuti Drain No. 05- 0.320 MLD
10- Shivkuti Drain No. 06- 0.275 MLD
11- Shivkuti Drain No. 07(East)- 0.767 MLD
12- Govindpur Colony Drain (Purani Basti)- 0.218 MLD
13- Govindpur Colony Drain No 1- 0.275 MLD
14- Govindpur Colony Drain No 2- 0.323 MLD
15- Govindpur Colony Drain No 3- 0.162 MLD
16- Govindpur Colony Drain No 4- 0.271 MLD
17- Shivkuti Drain No 1- 1.192 MLD
18- Shivkuti Drain No 2- 0.162 MLD
19- Shivkuti Drain No 3 (North)- 0.218 MLD
20- Shivkuti Drain No 4- 0.278 MLD
21- Dariyabad Kakaraghat Drain Mirapur- 2.113 MLD
22- Dariyabad Pipalghat Drain- 0.120 MLD

Sasur Khadari (Tapped but overflows) – 10.950 MLD

Out of Above, Drains at Serial No 1 to 20 and Overflow of Sasur Khaderi Drain are proposed to be treated by Geosynthetic Dewatering tubes followed by Advanced Oxidation Process and Remaining two drains at Serial No 21 and 22 will be Temporarily Intercepted & Diverted by blocking the drains through Geosynthetic Bags and Pumping it to 36 MLD Bargadghat Sewage Pumping Station through Pumps. Sewage from Bargadghat SPS goes to 80 MLD STP Naini for Treatment.

The Treated Effluent parameters of this proposed Treatment methodology as approved by National Mission for Clean Ganga in its 55th Executive Committee(EC) meeting dated 05.07.2024 **(Annexure-3)** are as follows:

I. pH- 6.5-8.5,
II. BOD <= 30 mg/L,
III. COD <= 100 mg/L,
IV. TSS <= 50 mg/L,

Annexure – R – 5

4

V. Fecal Coliform < = 230 MPN/100 mL,
VI. DO > = 5 mg/L

TREATMENT METHODOLOGY

- The treatment will employ a multi-stage advanced oxidation-based ozonisation process to improve water quality efficiently. The proposed methodology includes initial filtration, chemical dosing, and final ozonisation for comprehensive treatment. The treatment will employ a multi-stage advanced oxidation-based ozonisation process to improve water quality efficiently. The proposed methodology includes initial filtration, chemical dosing, and final ozonisation for comprehensive treatment. Treatment Methodology:

1. Primary Filtration Using Geo-Synthetic Tube-Based Water Remediation System.

Process: Drain waste water will be lifted through pumps and after mixing with Poly aluminium Chloride (30 ppm) & Poly Electrolyte (03 ppm) will pass through Geo-synthetic tube-based filtration system. The tubes, especially designed for effective primary filtration, suspended solids, and particulate matter, which helps in reducing the initial turbidity and TSS levels.

Purpose: This primary filtration stage prepares the wastewater for further chemical treatment by removing coarse solids and large impurities, enhancing the efficiency of downstream processes.

2. Chemical Dosing with Hydrogen Peroxide (H_2O_2) and Ferrate.

Process: After primary filtration, the water is dosed with Hydrogen Peroxide (H_2O_2) and ferrate. Both are potent oxidizing agents that break down organic pollutants, reduce colour, and partially reduce BOD and COD. H_2O_2: Hydrogen Peroxide acts as a powerful oxidizer, initiating the breakdown of complex organic compounds. Ferrate: Ferrate further aids in coagulating and precipitating dissolved solids, removing heavy metals, and providing additional disinfection. This helps in neutralizing pathogens and organic contaminants that contribute to poor water quality.

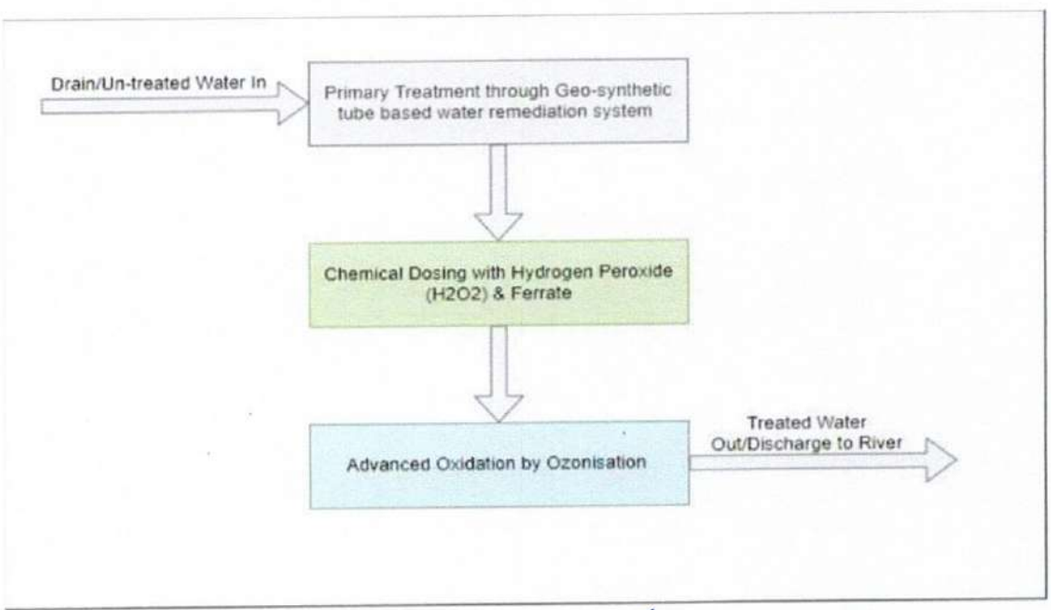
Purpose: This dosing step achieves significant preliminary oxidation, setting the stage for final ozonisation treatment.

3. Advanced Oxidation by Ozonisation.

Process: The pre-treated water is directed through an ozonisation chamber, where ozone gas is introduced to achieve advanced oxidation. Ozone, being a highly reactive molecule, rapidly degrades any remaining organic pollutants, reduces BOD and COD to meet desired standards, and ensures effective disinfection.

Purpose: Ozonisation completes the advanced oxidation process by fully breaking down residual pollutants, ensuring the treated water is significantly improved in quality before discharge.

The accumulated primary sludge from the Geo-synthetic tube will be removed and will be subjected to lime treatment at designated places and will be disposed off after testing.



The Drains situated in Close Vicinity are Proposed to be Treated by Interconnecting them for undergoing Treatment at a Single Point as per Table Given Below.

SR. NO	NAME OF DRAIN	FLOW IN MLD	SITE OF DRAIN	MAIN DRAIN AFTER MERGING OF SMALL DRAINS	CUMMULATIVE FLOW IN MLD
1	Rajapur Drain	27.166	1	Rajapur Drain	27.166
	Sub Total	**27.166**			
2	ADA Colony/Jwala Devi Drain	4.277	2	ADA Colony/Jwala Devi Drain	4.277
	Sub Total	**4.277**			
3	Jondhwal Drain	6.753	3	Jondhwal Drain	9.094
4	Shankar Ghat 01	0.444			
5	Shankar Ghat 02	0.946			
6	Shankar Ghat 03	0.951			
	Sub Total	**9.094**			
7	Sadar Bazar Drain	4.787	4	Sadar Bazar Drain	4.787
	Sub Total	**4.787**			
8	Shivkuti Drain 05	0.32	5	Shivkuti Drain 05	1.362
9	Shivkuti Drain 06	0.275			
10	Shivkuti Drain 07	0.767			
	Sub Total	**1.362**			
11	Salori Drain	8.783	6	Salori Drain	11.882
12	Govindpur Colony Purani Basti	0.218			
13	Govindpur Colony 1	0.275			
14	Govindpur Colony 2	0.323			
15	Govindpur Colony 3	0.162			
16	Govindpur Colony 4	0.271			
17	Shivkuti Drain 01	1.192			
18	Shivkuti Drain 02	0.162			
19	Shivkuti Drain 03	0.218			
20	Shivkuti Drain 04	0.278			
	Sub Total	**11.882**			
21	Sasur Khadari (Tapped but overflow)	10.95	7	Sasur Khaderi Drain	10.95
	Sub Total	**10.95**			
22	Dariyabad Kakaraghat Drain Mirapur	2.483	8	Pumping	2.483
23	Dariyabad Pipalghat Drain	0.120	9	Pumping (Bargad Ghat SPS)	0.120
Total Flow to be treated		**72.121**			**72.121**

Note:- 1) During Kumbh Mela 2019 following 05 Nos Untapped Drains were Treated through Geosynthetic Dewatering Tubes Filtration Methodology followed by Disinfection through Chlorination:-

(i)Rajapur Drain
(ii)Arail Bridge Drain
(iii) Salori Drain
(iv) Lotey haran Drain
(v) Mawaiya Drain

The Influent and Effluent Parameters of the Drains were regularly Tested by CSIR-Indian Institute of Toxicological Research ,Lucknow which was nominated as Third Party Agency by State Mission for Clean Ganga , Lucknow. The Test Reports are Enclosed as **Annexure-4.**

According to these Reports the treated effluents of above drains treated through Geosynthetic Dewatering Tubes Filtration Methodology followed by Disinfection through Chlorination Conformed to Standards of treated effluent for BOD,COD,TSS and pH but did not conform to treated effluent standards for Total Coliform and Feacal Coliform. Due to this reason Advanced Oxidation Process (Ozonization) has also been proposed for Treatment of Untapped Drains during Maha Kumbh 2025 so that Treated Effluent Meets Standard for Total Coliform and Feacal Coliform.

2) The Influent and Effluent Parameters of the Drain will be Monitored by a Third Party Agency nominated by State Mission for Clean Ganga ,Lucknow apart from Periodical Monitoring Done by UPPCB and CPCB.

3) Following Liquidated Damages/Penalty are proposed in Contract Agreement to be imposed on the Firm/Contractor executing the work in case of Non-Compliances.

Liquidataed Damages/Penalty shall be imposed for Non-Compliances and failure to deploy adequate staff or provide adequate service as per provisions given below:-

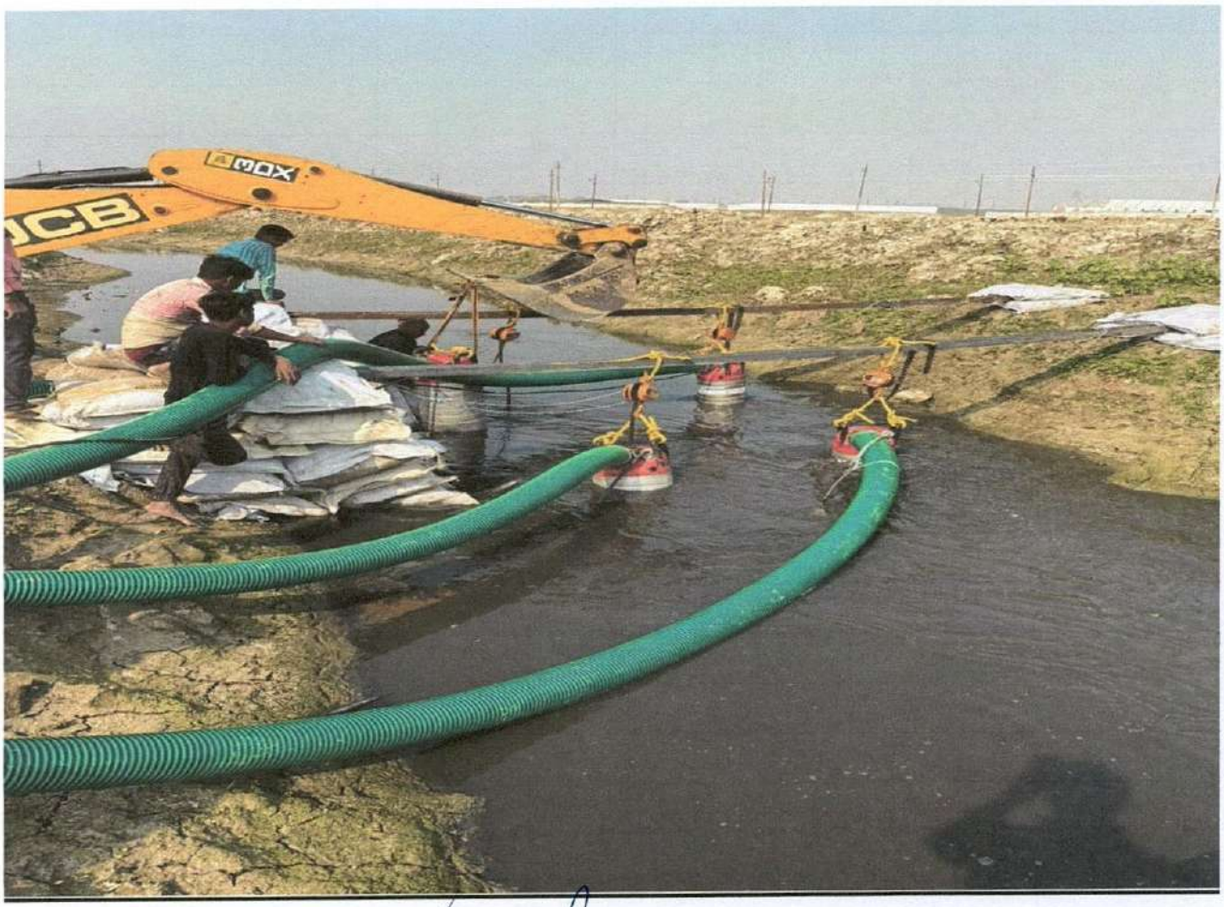
S. No.	Description	Nature of Deficiency	Penalty
3.1 Deficiency in Manpower			
A	Project in charge/Team Leader	Not present on duty	Rs. 1000 per day per Treatment System
B	Treatment System operator	Not present on duty	Rs. 650 per day per Treatment System
C	Helper/Electrician/Fitter/Mechanic	Not present on duty	Rs. 650 per day per Treatment System
D	Labour	Not present on duty	Rs. 650 per day per Treatment System
E	Sweeper	Not present on duty	Rs. 650 per day per Treatment System
3.2 Deficiency in Service			
A	Clearing of site	Not attended up to 1 day	Rs. 500 per day beyond 1 day per site
B	Non-compliance with safety measures (e.g. not wearing safety belt, helmets, etc.) and first aid facilities.	Any time on duty	Rs. 500 per occurrence per Treatment System
C	Non-observance of Preventive Maintenance Schedule	Any time on duty	Rs. 500 per occurrence per Treatment System
3.3 Non-Compliance of Env. Management Measures			
A	Disruption of utility lines during construction (water supply, telephone lines, etc.)	Unscheduled disruption without prior notice	Rs. 5000/- per day beyond 1 day per Treatment System
B	Traffic diversions, barricading and signage for public convenience	Deviation from approved plans by the engineer	Rs. 5000/- per day beyond 1 day per Treatment System
C	Conditions of Consent to Establish/Consent to operate	Non-Compliance Or any Occurrence during the contract period.	Rs. 1000/- per day beyond 5 working days per Treatment System
D	Sludge Disposal	Any litigation during construction and operation phase of the project	Remedial action with 1 day + Rs. 5000/- per day per Treatment System
E	Non-Compliance with any other measures	Case to case basis	Rs. 5000- 10000/- per day after 5 working days as per Engineer's Direction

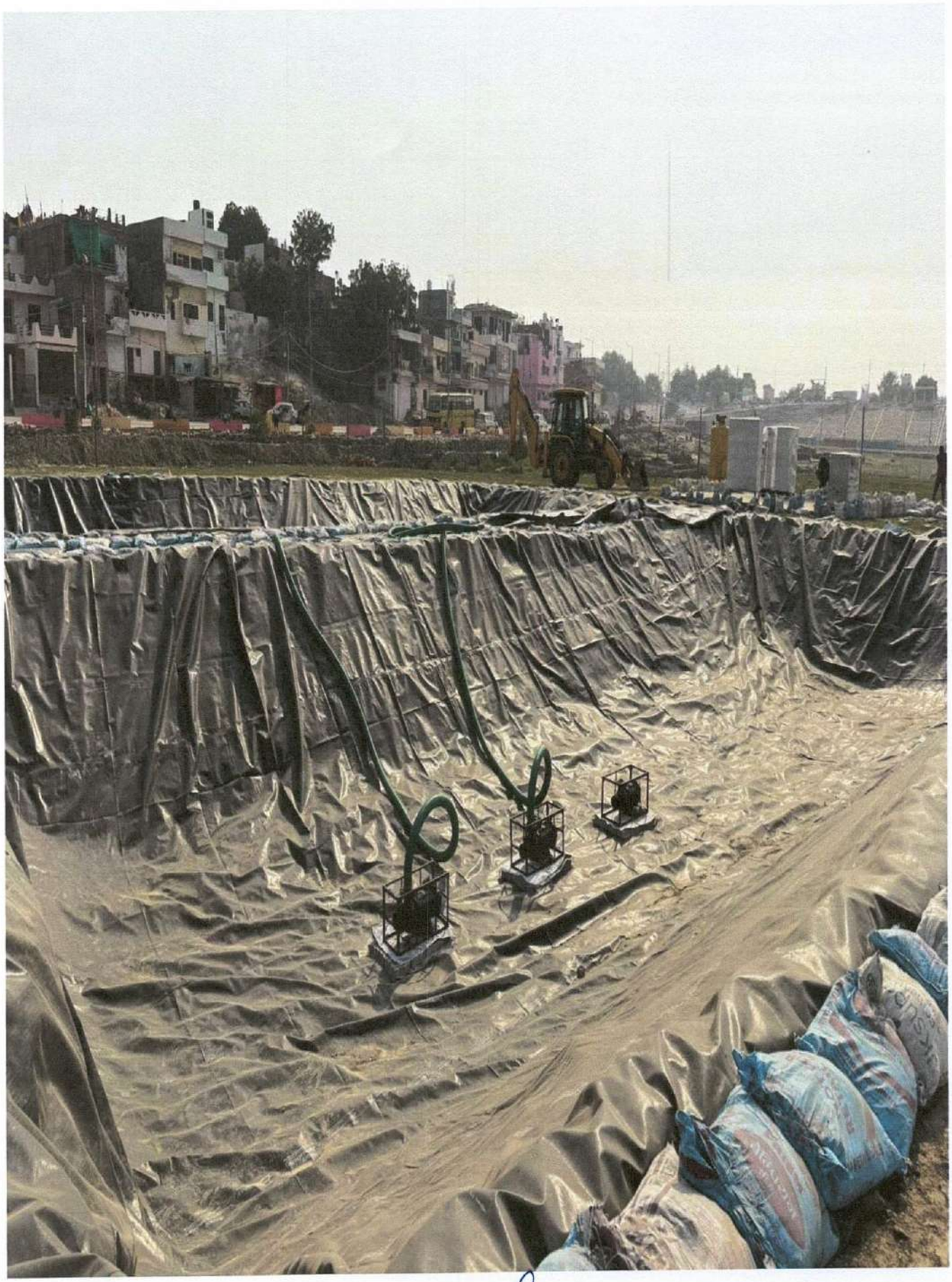
4. Liquidated damages for Non-Compliance of treated effluent standards.

Event triggering the recovery of Liquidated Damages	**During the O & M Period**	
	Liquidated Damages for Non-Compliance	**Frequency**
Non conformance with BOD Standards (shall be less than 30 mg/l)	25 % of the Treatement Cost per MLD per Treatment Site	Per day

Non conformance with COD Standards (shall be less than 100 mg/l)	25 % of the Treatement Cost per MLD per Treatment Site	Per day
Non conformance with TSS Standards (shall be less than 50 mg/l)	20 % of the Treatement Cost per MLD per Treatment Site	Per day
Non conformance with Feacal Coliform Standards (shall be less than 230 MPN per 100 ml)	20 % of the Treatement Cost per MLD per Treatment Site	Per day
Non conformance with Dissolved Oxygen Standards (shall be greater than or equal to 5mg/l)	10 % of the Treatement Cost per MLD per Treatment Site	Per day

PHOTOGRAPHS OF TREATMENT OF 23 UNTAPPED DRAINS BY GEOSYNTHETIC DE-WATERING TUBES FILTRATION FOLLWED BY ADVANCED OXIDATION PROCESS WORK BEING EXECUTED



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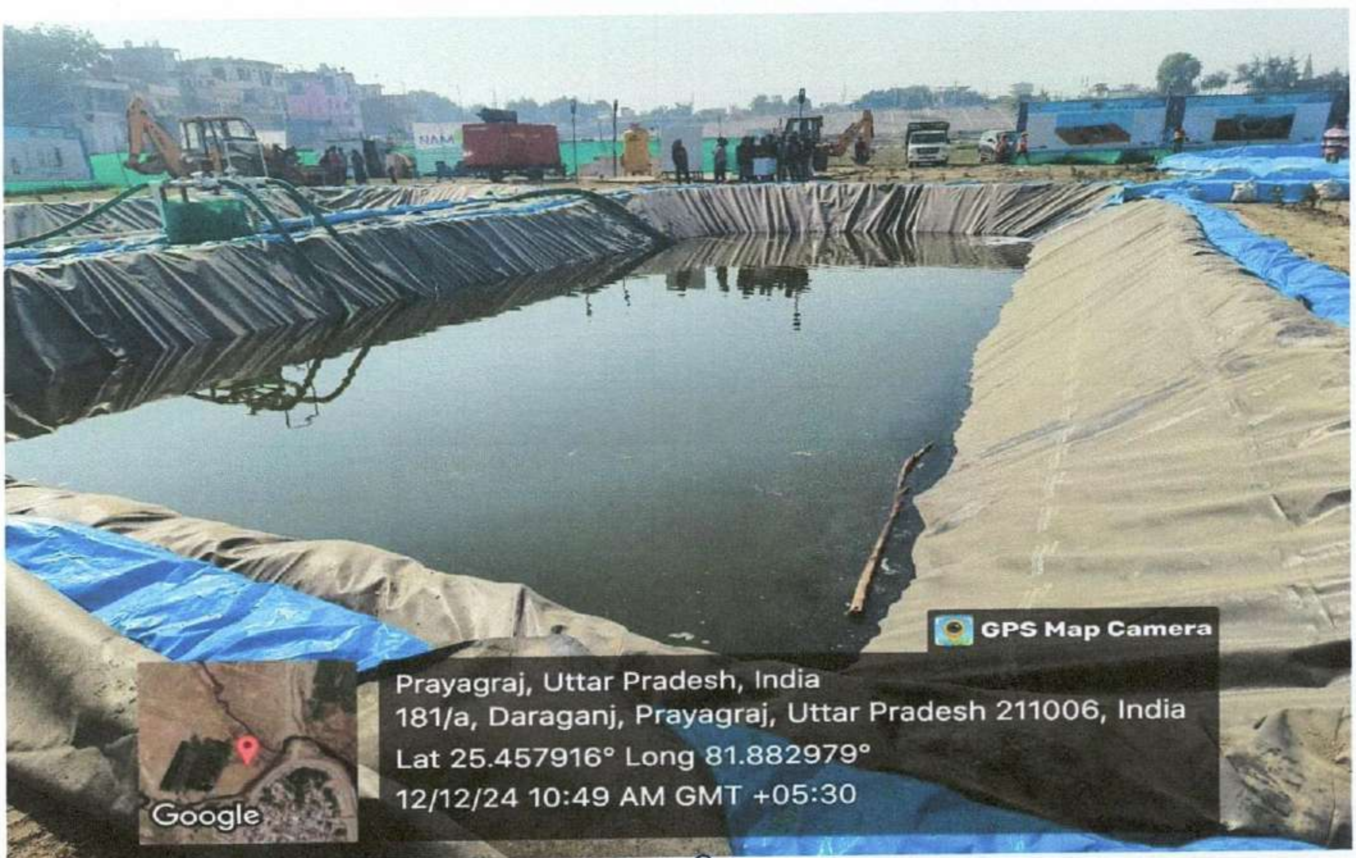
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Google


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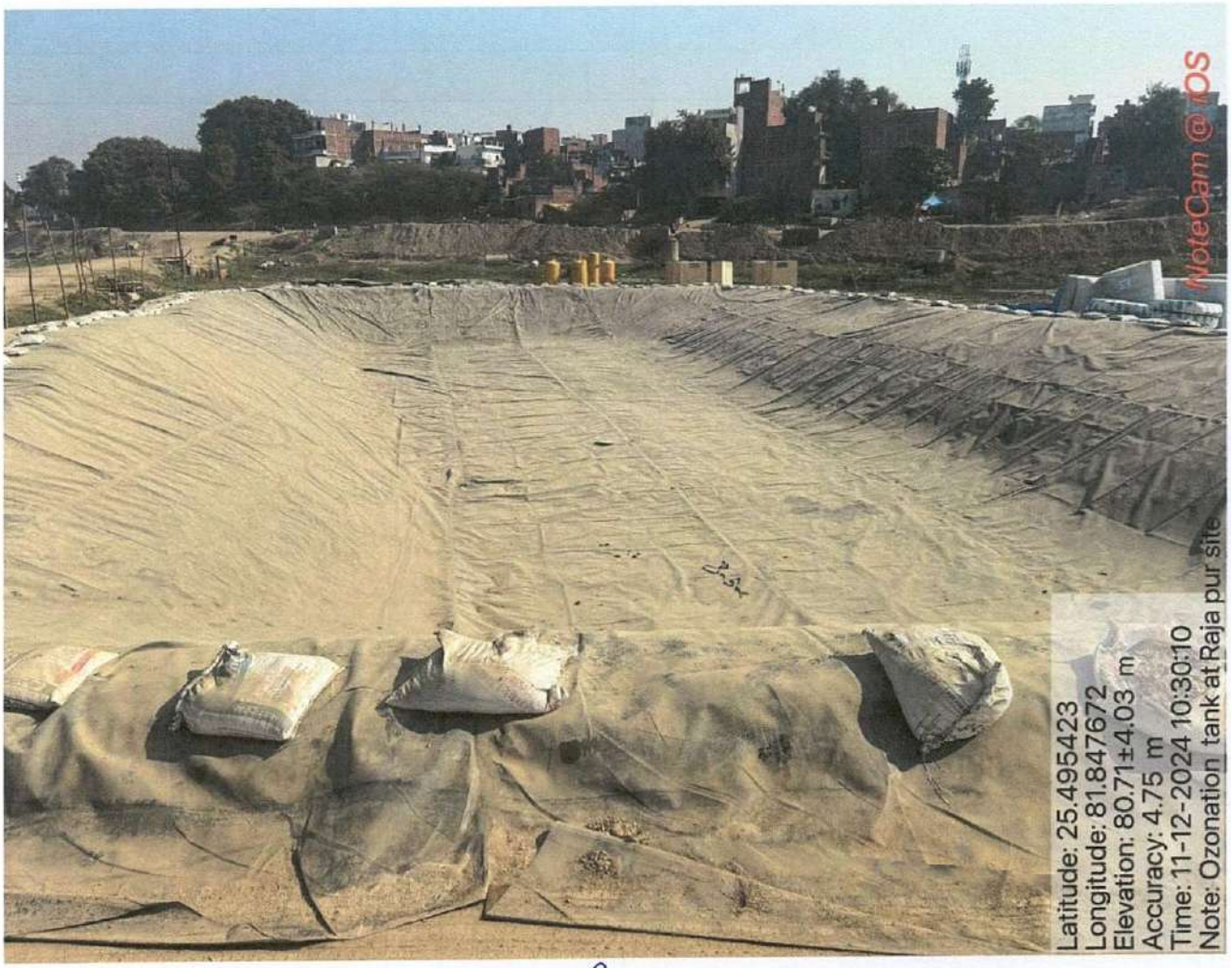
Note: Ozone setup at salori si
NoteCam @ iOS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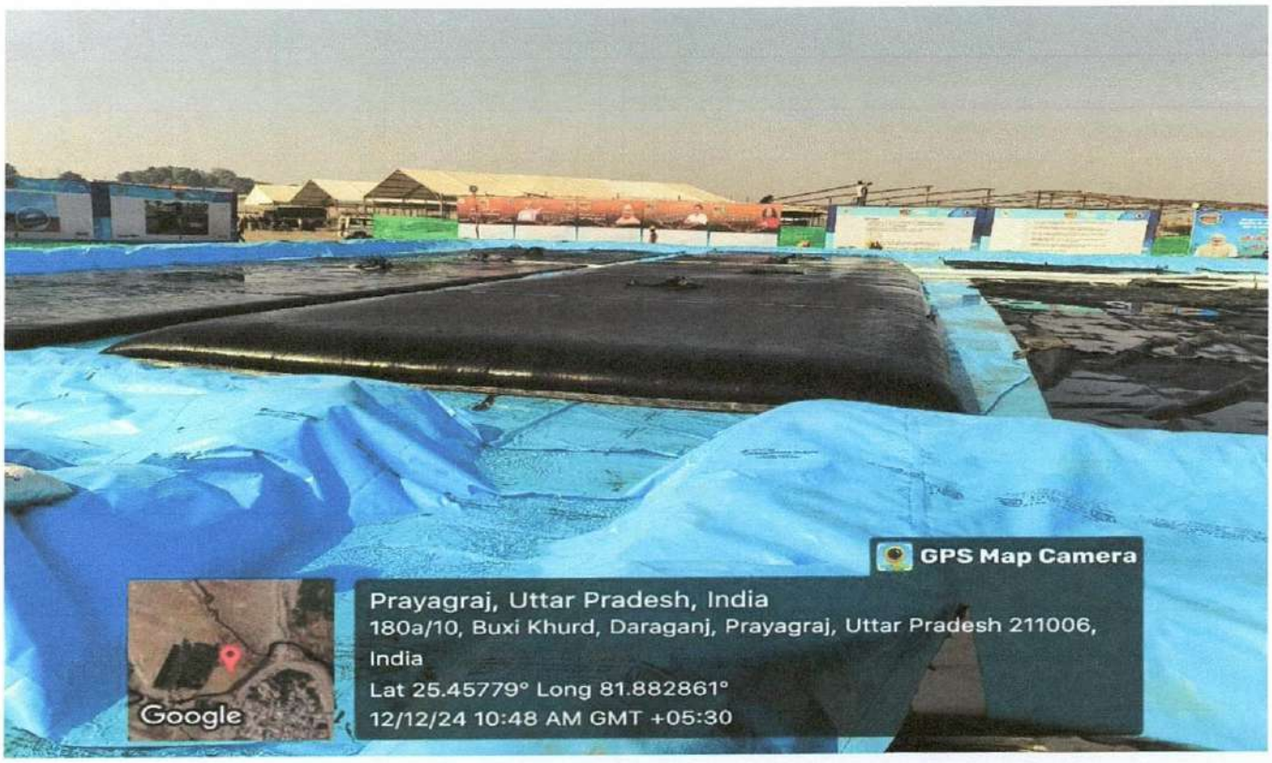
NoteCam @ iOS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Google


Latitude: 25.406227
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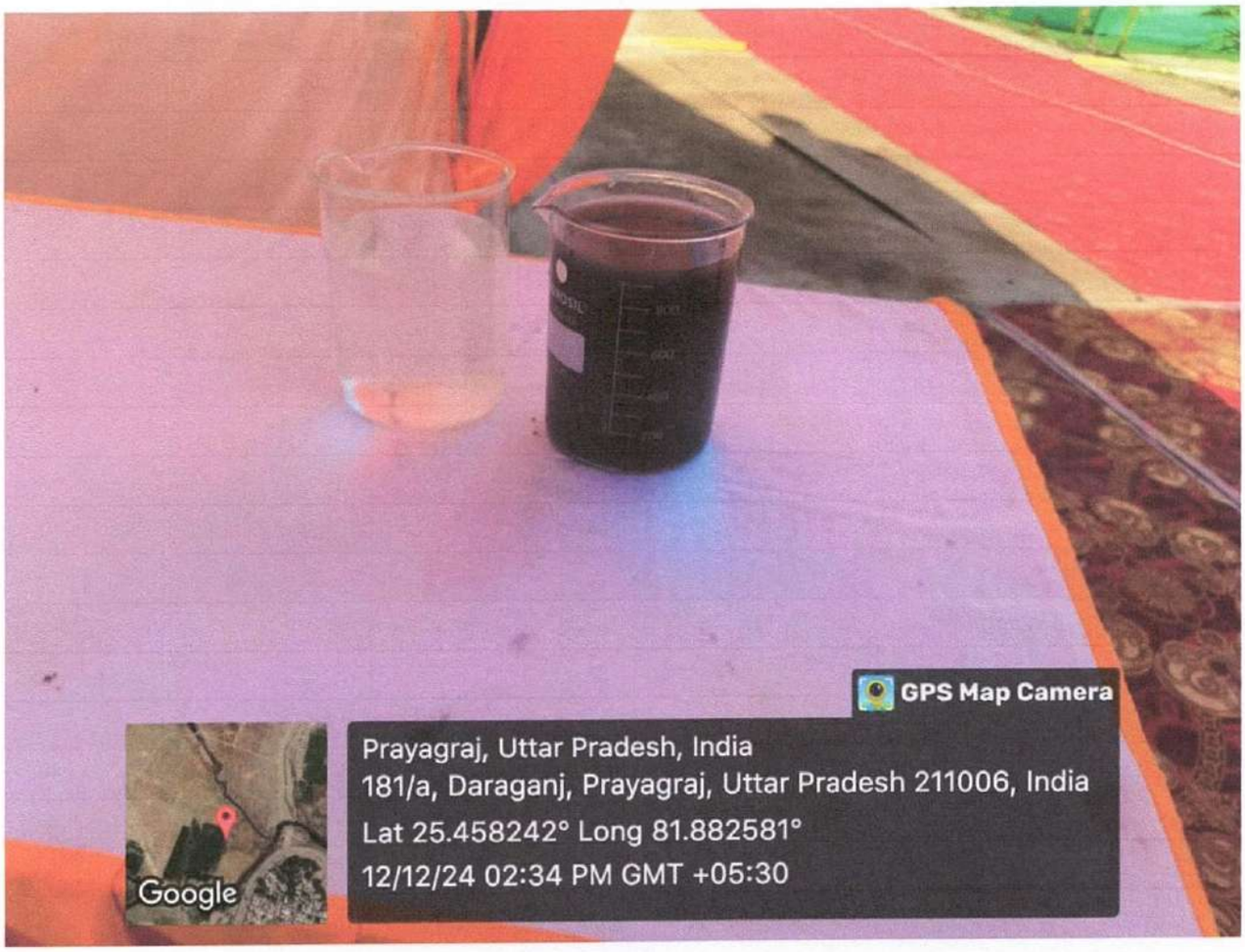
Note: Sasur khaderi drain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12/12/24 02:34 PM GMT +05:30
Google


BOROSIL
1000 ml

ACTION PLAN TO HANDLE EXCESS SEWAGE THAT WILL BE GENERATED DURING MAHA KUMBH MELA PERIOD

Sr No	Name of Drain	Site	Discharge of Drain in MLD	Treatment Capacity Installed for Peak Flow in MLD	Geo Tube 25mx6m each	Cavitation Pump	Geo Tube Pump
1	2	3	4	5	6	8	9
1	Rajapur Drain	Site 01	27.166	42 MLD	10 Nos (25mx6m) (08W+2S)	05 nos (04W+01S) 04-12.5 HP+01-10HP	10 nos (08W+02S) 25 HP
2	ADA Colony/ Jwala devi Drain	Site 02	4.277	8.5 MLD	02 Nos (1W+1S)	02 nos (01W+01S) 12.5 HP	02 nos (01W+01S) 25 HP
3	Jondhwal Drain	Site 03	9.094	13.60 MLD	3 Nos (2W+1S)	03 nos (2W+1S) 12.5 HP	03 nos (2W+1S) 25 HP
4	Shankar Ghat Drain 01						
5	Shankar Ghat Drain 02						
6	Shankar Ghat Drain 03						
7	Sadar Bazar Drain	Site 04	4.787	7.17 MLD	3 Nos (2W+1S)	03 nos (2W+1S) 12.5 HP	03 nos (2W+1S) 25 HP
8	Shivkuti Drain 05	Site 05	1.362	2.72 MLD	2 No (1W+1S)	2 nos (1W+1S) 12.5 HP	2 nos (1W+1S) 25 HP
9	Shivkuti Drain 06						
10	Shivkuti Drain east 07						
11	Salori Drain Partially	Site 06	11.882	24 MLD	5 Nos (3W+2S)	03 nos (2 W+1S) 12.5 HP	05 nos (04 W+1S) 25 HP
12	Govindpur Colony purani basti						
13	Govindpur Colony 01						
14	Govindpur Colony 02						
15	Govindpur Colony 03						
16	Govindpur Colony 04						
17	Shivkuti Drain 01						
18	Shivkuti Drain 02						

19	Shivkuti Drain 03						
20	Shivkuti Drain 04						
21	Sasur Khedari River	Site 07	10.95	20 MLD	4 Nos (03 W+1S)	03 nos (02W+1S) 25 HP	04 nos (03 W+1S) 12.5 HP
22	Dariyabad Kakaraghat Drain Mira Pur	Site 08	2.483	5 MLD	Not Required	Not Required	3 nos (2W+1S) 15 HP
23	Dariyabad Pipalghat Drain	Site 09	0.12	02 MLD	Not Required	Not Required	12 nos (1W+1S) 5 HP
	TOTAL		**72.121 MLD**	**124.99 MLD**			

From the above Table , it is evident that the Treatment Units being set up for Treatment of Drains will be able to Treat upto 125.00 MLD Sewage Flow Which is approximately 55 MLD more than the Present dry weather Discharge of the Drains. Hence , the Treatment Units being set up will be able to cater the additional sewage Diuscahrge during Maha Kumbh -2025.

4- Details of Sewerage Network and House Connection:-

- Census Population (2011) : 15.86 Lakhs
- Projected Population (2024) : 21.28 Lakhs
- Households : 3.54 Lakhs (Domestic) , 26017 (Commercial Institutions)
- Population in Core Area(2024) : 13.26 lacs
- House Holds in Core Area : 2.25 lacs
- Old Municipal Area Water Supply Coverage : 98.99 %
- Extended Municipal Area Water Supply Coverage : 36.91 %
- Water Supply Coverage Overall : 75.62%
- Old Municipal Area Sewer Coverage : 93.69%
- Extended Municipal Area Sewer Coverage (%) – 0%
- Sewer Coverage Overall : 58.84 %
- Municipal area : 365 sq.km.
- No of Wards : 100

Municipal Corporation has been divided into 08 Sewerage Districts from the Point of View of Providing Sewerage Facilities to the General public. Following Table Shows the Details of Sewerage

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Network and Domestic Sewer House Connections in Municipal Corporation Prayagraj

Sr No	Sewerage District	Population	No. of Households in Sewerage District	Existing Street Length	Existing Sewer Line Length	No of Houses on Existing Sewer Line	No. of Households with Sewer House Connections	No. of Households without Sewer House Connections	No. of Houses Where Sewer line does not Exist	No of Households in Sewered Areas Without Sewer Connections as per actual Survey done	Agency Maintaining Sewer	Sewer House Connection done in Last 02 Months
1	District A	328914	54819	310.38	305	53412	53263	1556	1407	149	UPJN(R) +Jalkal Vibhag	0
2	District B	291612	48602	221.91	213.71	45352	43661	4941	3250	1691	UPJN(R)+ Jalkal Vibhag	0
3	District C	174870	29145	222.47	220.04	28555	27097	2048	590	1458	UPJN(R)+ Jalkal Vibhag	0
4	District D	276036	48006	516.17	505	45934	44849	3157	2072	1085	UPJN(U)+ Jalkal Vibhagh	997
5	District E	204390	34188	183.5	181.1	34075	34075	113	113	0	UPJN(U) + Jalkal Vibhag	3606
6	District F	33708	7818	52	40	5618	5410	2408	2068	340	Jalkal Vibhag	0
7	District G	17334	2889	15	15	2889	2889	0	0	0	Jalkal Vibhag	0
Sub Total A		**1326864**	**225467**	**1521.43**	**1479.9**	**215657**	**211244**	**14223**	**9500**	**4723**		**4603**
1	District -F	116286	19381	234	0	0	0	0	19381	0	-	
2	District- G	270000	45000	728	0	0	0	0	45000	0	-	
3	District- J	207558	34593	684	0	0	0	0	34593	0	-	
4	District- B & E	207300	34550	413	0	0	0	0	34550	0	-	
Sub Total B		801144	133524	2059	0	0	0	0	133524	0	-	
Grand Total (A+B)		**2128008**	**358991**	**3580.43**	**1479.9**	**215657**	**211244**	**14223**	**143024**	**4723**	**-**	**4603**

Action Plan for Providing Sewer House Connections at Existing Sewer line

Sr No	Sewerage District	No of Households in Sewered Areas Without Sewer Connections	Agency Maintaining Sewer	Action Plan for Providing 100% Domestic Sewer House Connection in Sewered Area
1	District-A	149	UPJN(R) +Jalkal Vibhag	DPR to be Prepared Under State Sector Programme by

2	District-B	1691	UPJN(R)+ Jalkal Vibhag	UPJN(Rural)
3	District-C	1458	UPJN(R)+ Jalkal Vibhag	
4	District-D	1085	UPJN(U)+ Jalkal Vibhagh	House Connection Work is being executed under Mahakumbh-2025 which will be completed by 15.01.2025
5	District-E	0	UPJN(U) + Jalkal Vibhag	
6	District-F	340	Jalkal Vibhag	DPR to be Prepared Under State Sector
7	District-G	0	Jalkal Vibhag	

Gap Analysis in Sewerage Network & House Connection and Action Plan:-

At Present, there is requirement of Laying 2100.53 Km Sewerage Network and 143024 Nos. of Domestic Sewer House Connection in Nagar Nigam , Prayagraj.

For 100 wards of Nagar Nigam Prayagraj (including extended areas) which are densely populated the following proposals have been made in City Water Action plan of AMRUT 2.0:-

1) Sewerage Network and Sewer House Connection Scheme in Sewerage District A,B,C and D of Prayagraj City-Rs 350.00 Cr

2) Sewerage Network and Sewer House Connection Scheme in Sewerage District-G Naini and Naini Extended Area of Nagar Nigam Prayagraj –Rs 382.80

3) Sewerage Network and Sewer House Connection Scheme in Sewerage District-J Jhusi and Jhunsi Extended Area Nagar Nigam Prayagraj –Rs 364.00 Cr

4)Sewerage Network and Sewer House Connection Scheme in Sewerage District F - Phaphamau and Phaphamau Extended Area of Nagar Nigam Prayagraj –Rs 350.00 Cr

5) Sewerage Network and Sewer House Connection Scheme in Jhalwa, Bamhrauli and Pipalgaon Extended Area Nagar Nigam Prayagraj –Rs 425.00 Cr

All the above 05 projects are yet to be approved by State level technical committee (SLTC) and State High Power Steering Committee (SHPSC) for Preparation of Detail Project Report.

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

1. 100 KLD Faecal Sludge (Co-Treatment) Plant at Naini.(Under Construction)- Under Trial and Run

2. 50 KLD Faecal Sludge (Co-Treatment) Plant at Jhunsi. (Under Construction)- Under Trial and Run
3. 50 KLD Faecal Sludge (Co-Treatment) Plant at Salori.- Operational

U P Jal Nigam (Rural) is preparing action plan and undertaking projects under Namami Gange Programme for the augmentation of capacity of Sewage treatment plants in Nagar Nigam Prayagraj .

5- Mela Area Septage Management during Mahakumbh-2025:-

Maha kumbh Mela Area is usually divided into 25 Sectors as per Administrative Requirement as given Below:-

1) Sector 1 & 2 on west side of Beni Bandh in Parade Area.
2) Sector 3 & 4 on the eastern side of Beni bandh on the banks of River Ganga and Yamuna
3) Sector 5 and Sector 10 to 22 on eastern bank of River Ganga towards Jhunsi side
4) Sector 23 to 25 on Arail side

5) Sector 06 to 09 on western bank of River Ganga from Nagvasuki Temple towards Phaphamau side.

- Maximum Expected Population in Maha Kumbh Mela area on peak /bathing day = 50000000.00
- Total Feacal Sludge Generation(MLD)
- = (50000000 x 120) /(365 x1000000) = 16.44 MLD
- Permanent population (Kalpvasis / pilgrims) expected in Mela area = 50,00,000.00
- Quantity of Grey water (BOD Less than 100) Generated per day = (5000000.00 X 50)/1000000 = 250 MLD
- The Feacal 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 (BOD Less than 100) generated from washing hands , Kitchen etc. having very less BOD is collected in various ponds (Approx 75 Nos , Average 03 Nos in each sector) constructed in mela area and the treatment is done by Bioremediation method to make the mela vicinity odour free. Sectors in which Sewerage Network is available in nearby vicinity ,Grey water is discharged into Sewers.

- **<u>The prefabricated Sewage Treatment Plant of 0.5 MLD STP will have following Treated Effluent parameters:-</u>**

(i)BOD - Less than 10 mg/l

(ii)TSS- less than 10 mg/l

(iii)COD- Less than 30 mg/l

(iv) PH- 6.5 TO 8.5

(v) Faecal Coliform- less than 1000 MPN per 100 ml.

(vi) Oil and Grease - less than 10 mg

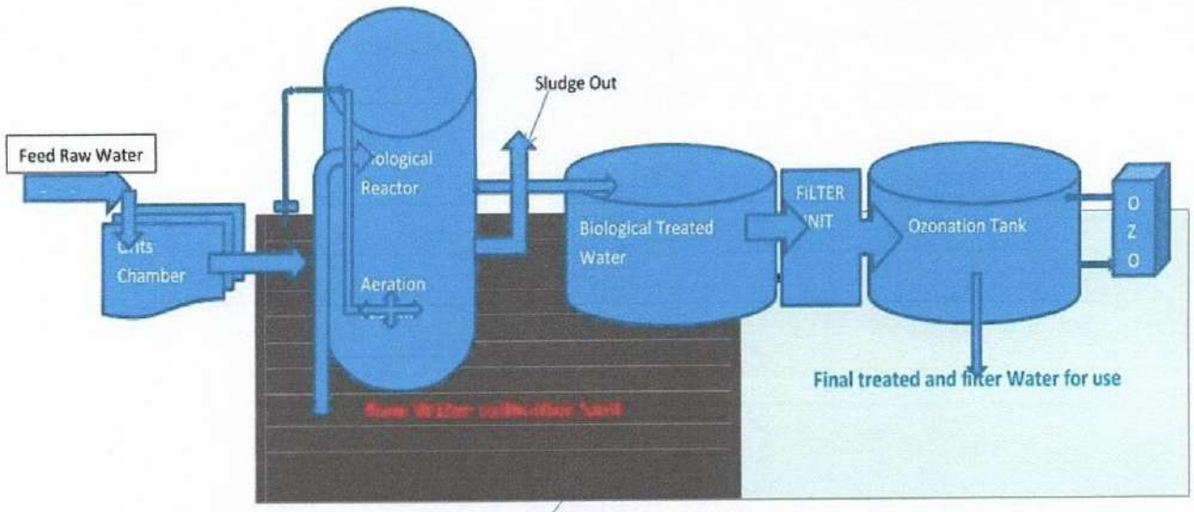
- The Sewage and Feacal Sludge Generated in Maha Kumbh mela Area is proposed to be treated as per given below:-

Sr No	Sector	Treatment of Blackwater/Feacal Sludge	Treatment of Grey Water
1	Sector 1 & 2	Through Sewerage Netwok to Alopibagh SPS for treatment at 60 MLD Rajapur STP	Through Sewerage Network
2	Sector 3 & 4	Through Sewerage Network to Mori Gate and Daraganj SPS for	1)Through Ponding and Bioremediation.

		treatment at 60 MLD Rajapur STP Through Alopibagh SPS	2)Through Sewerage Network wherever available in close vicinity.
3	Sector 06 to 09	(i) Through Chilla SPS to 14 MLD and 29 MLD Salori STP (Additional 43 MLD STP at Salori Approved under Namami Gange Programme)) (ii) Through 01 Nos Pre-fabricated STP (capacity 0.5 MLD) (iii) Through 50 KLD Feacal Sludge Co-Treatment Plant at 14 MLD Salori STP Campus	1)Through Ponding and Bioremediation. (2) Through Sewerage Network wherever available in close vicinity.
4	Sector 5 and Sector 10 to 22	(i)Through 02 Nos Temporary Prefabricated STP (each of capacity 0.5 MLD) To be installed in Sector 13(For 10 to 14) and Sector 15 (For Sector 5 & 15 to 18) (ii)Through Sewer line being laid on Jhunsi Side to 16 MLD Jhunsi STP and (iii)Through 50 KLD Feacal Sludge Co-Treatment Plant at 16 MLD Jhunsi STP Campus (For Sector 19 to 22)	(1) Through Ponding and Bioremediation. (2) Through Sewerage Network wherever available in close vicinity.
	Sector 23 to 25	Through 100 KLD Feacal Sludge Co-Treatment Plant at 42 MLD Naini STP Campus	(1) Through Ponding and Bioremediation.

Pre-Fabricated STP OF 500 KLD Capacity

The Prefabricated STP proposed to be installed in Mela Area are Based on Hybrid Granular Sequential Batch Reactor Technology (HgSBR) developed By Bhabha Atomic and Research Institute. This work has been awarded to M/s Shri Ram Constructions, Lucknow & M/s R R Infra,Ghaziabad. The Construction and Fabrication Work of Prefabricated STP is Under Progress and will be made Operational by 25.12.2024. Following is the Schematic process diagram of proposed Treatment.


Sludge Out
Feed Raw Water
Biological Reactor
Chamber
Aeration
Biological Treated Water
FILTER UNIT
Ozonation Tank
O Z O
Final treated and filter Water for use

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

क्रमांक : 022115539
Sl. No :

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No.	:	381341
आवेदन सं. / Application No.	:	201921015793
फाइल करने की तारीख / Date of Filing	:	21/04/2019
पेटेंटी / Patentee	:	SECRETARY, DEPARTMENT OF ATOMIC ENERGY

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित METHOD FOR BIO-BEADS DEVELOPMENT FOR NORMAL AND SALINE WASTEWATER TREATMENT नामक अविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 21st day of April 2019 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled METHOD FOR BIO-BEADS DEVELOPMENT FOR NORMAL AND SALINE WASTEWATER TREATMENT as disclosed in the above mentioned application for the term of 20 years from the 21st day of April 2019 in accordance with the provisions of the Patents Act,1970.

THE PATENT OFFICE GOVT. OF INDIA

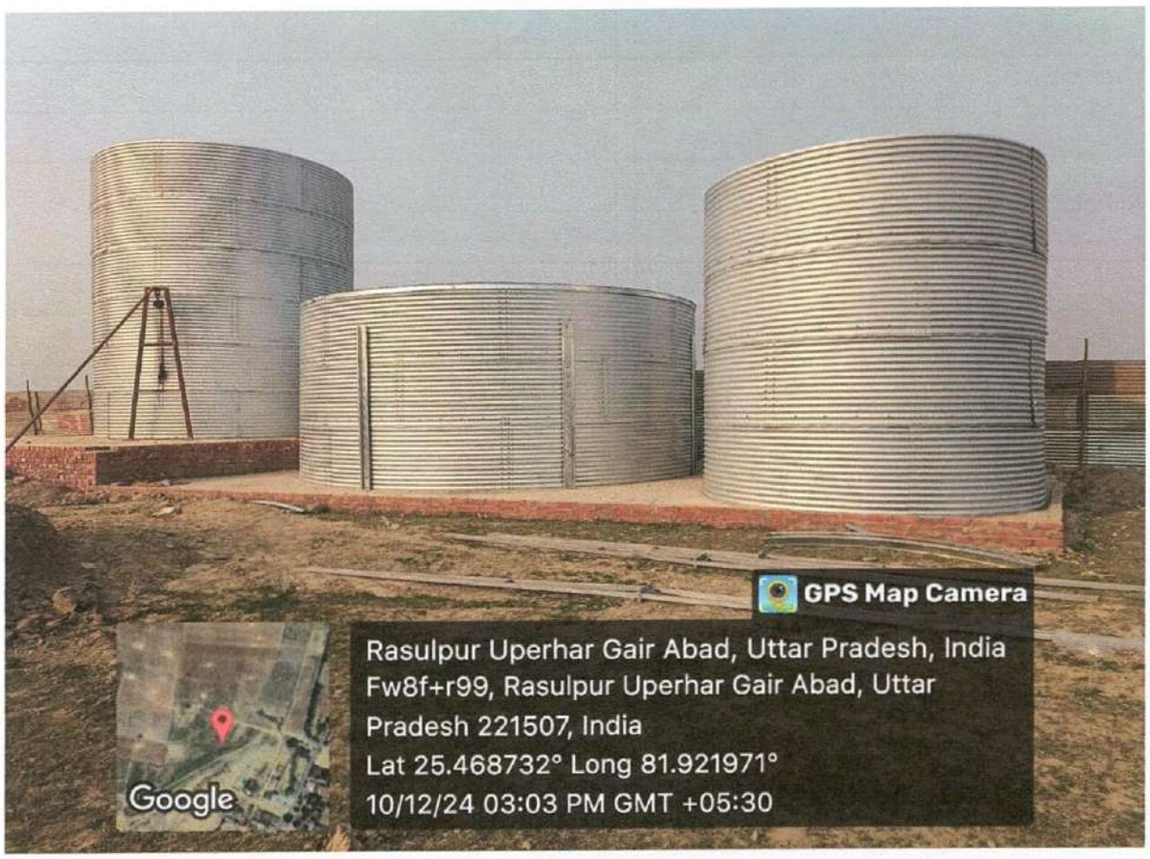
अनुदान की तारीख
Date of Grant : 08/11/2021

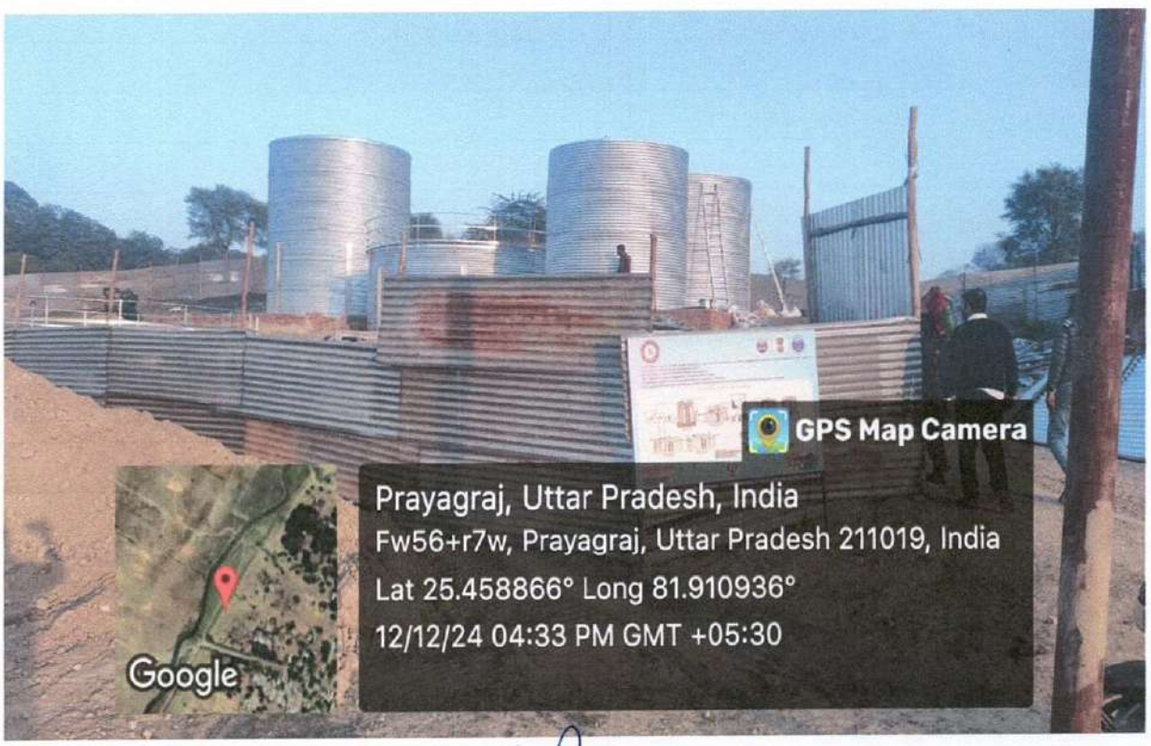
पेटेंट नियंत्रक
Controller of Patent

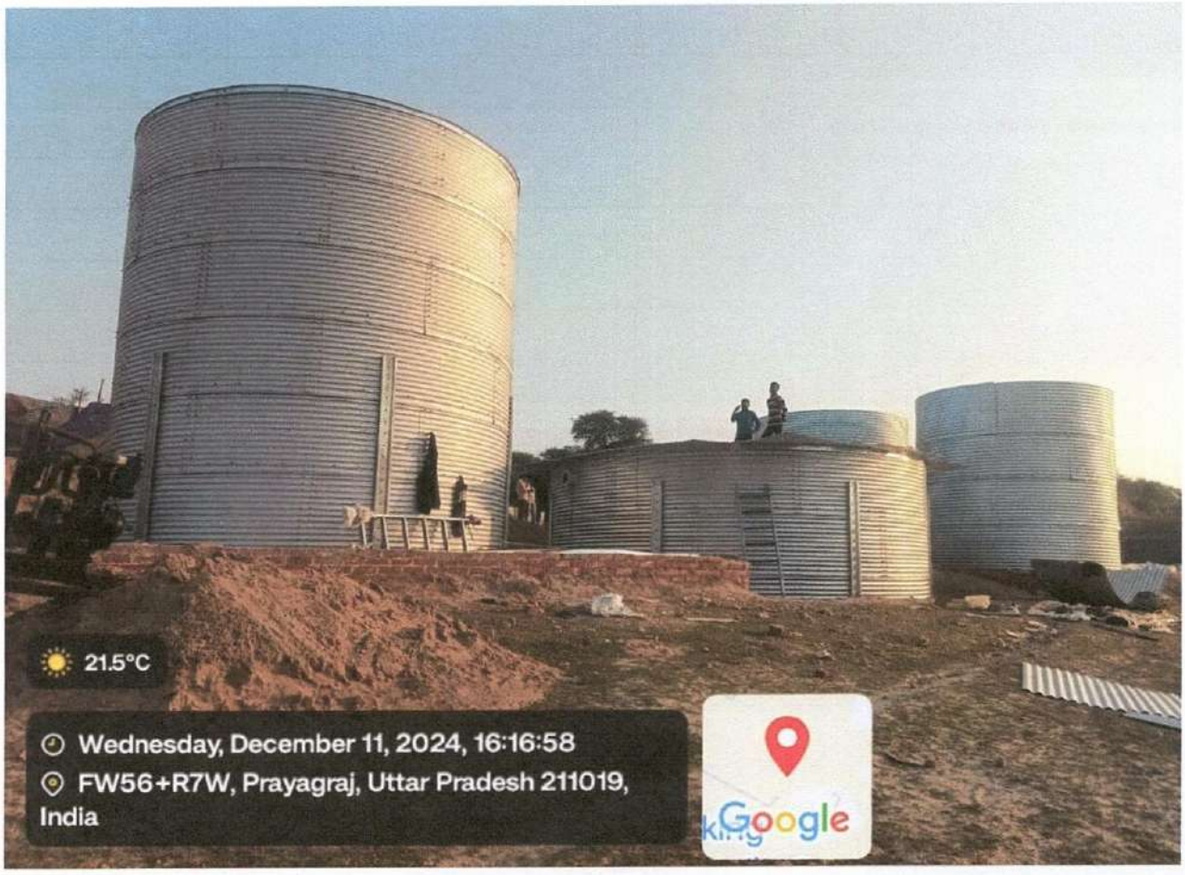
टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे कायम रखा जाना है, 21st day of April 2021 को और उसी दिनांक प्रतिवर्ष अन्य में देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 21st day of April 2021 and on the same day in every year thereafter

PHOTOGRAPHS OF WORK UNDER EXECUTION



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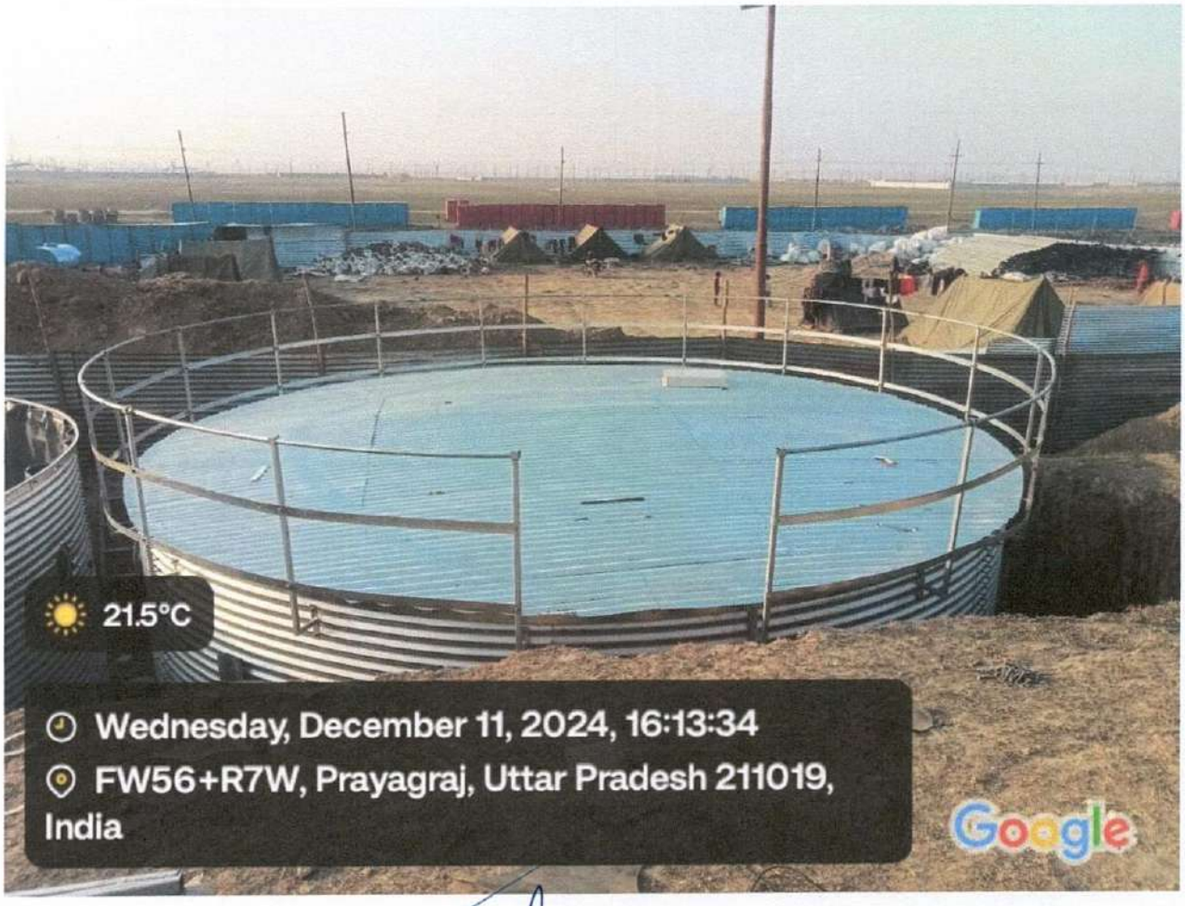
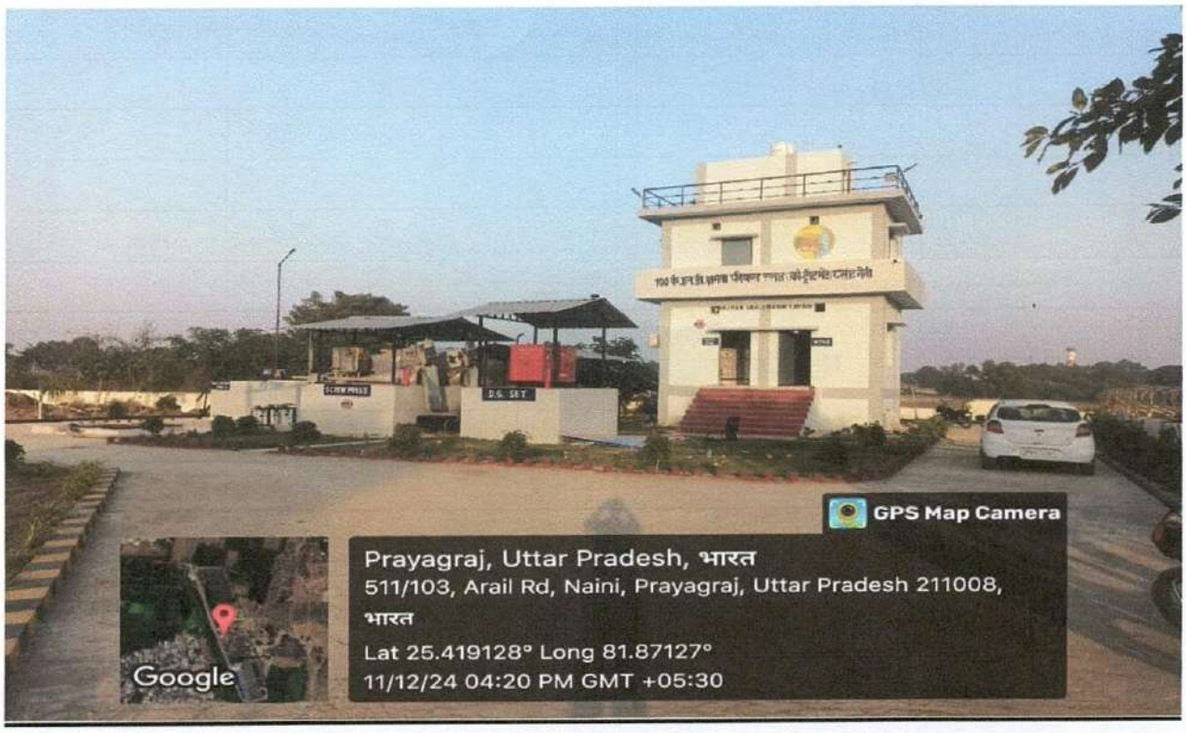
Google


21.5°C
Wednesday, December 11, 2024, 16:13:34
FW56+R7W, Prayagraj, Uttar Pradesh 211019, India
Google

Photographs of Feacal Sludge Co-Treatment Plants:-

1)100 KLD Feacal Sludge Co-Treatment Plant , Naini



2)50 KLD Feacal Sludge Co-Treatment Plant , Jhunsi

3) 50 KLD Feacal Sludge Co-Treatment Plant , Salori

SECTORWISE DETAILS OF PONDS TO BE CONSTRUCTED FOR TREATMENT OF GREY WATER THROUGH BIOREMEDIATION

- Approximately 200 Km Drainage is being laid in Mela Area for efficient disposal of Grey water generated in Mela Area. The Grey waste water (BOD Less than 100) generated from washing hands , Kitchen etc. having very less BOD is collected in various ponds (Approx 75 Nos , Average 03 Nos in each sector) constructed in mela area and the treatment is done by Bioremediation method to make the mela vicinity odour free. Sectors in which Sewerage Network is available in nearby vicinity ,Grey water is discharged into Sewers.
- The ponds are Constructed in Mela Area by Carrying out Excavation and Covering the Excavated portion with 150 Micron HDPE liner inorder to prevent infiltration of Grey water into the Ground.

- Bioremediation Units are Installed and Treatement is carried out using biological Enzymes and Microbes providing sufficient Retention Time. Screens are installed at Inlet to catch any floating waste material .V-Notch is also installed at inlet to measure the flow reaching Pond.

Details of Ponds for Treatment of Grey water in Mela Area

Sr. No.	Name of Sector	No. of Ponds	Latitude & Longitude of Ponds	Location/Name of Road on which pond is situated	Size of Pond (M.)	Current Status (Whether Construction Completed or Not)
1	Sector-1					Covered by sewer line
2	Sector-2					Covered by sewer line
3	Sector-3					Covered by sewer line
4	Sector-4	3	25.438592, 81.88309	Under Shasrti Bridge	18.00 x 12.50	Under Construction
			25.432869, 81.882078	Jagdish Road North	93.00 x 17.00	Under Construction
			25.432696, 81.882064	Mahaveer Road North	145.00 x 20.00	Under Construction
5	Sector-5	1	25.446958, 81.89294	Old G.T. Road	16.00 x 20.00	Under Construction
6	Sector-6	3	25.462335, 81.879897	Near Kailashpuri Nala	15.00 x 30.00	Under Construction
			25.470119, 81.881019	Near Bharatdwaj Electric Port	15.00 x 30.00	Under Construction
			25.460402, 81.882896	Near Bindu Madhav Road	15.00 x 30.00	Under Construction
7	Sector-7	1	25.463976, 81.871524	Kailashpuri Road	15.00 x 30.00	Under Construction
8	Sector-8	4	25.478718, 81.883768	Kailashpuri Road	15.00 x 30.00	Under Construction
			25.479649, 81.887252	Bajarang Das Road	15.00 x 30.00	Under Construction
			25.47406, 81.892528	Beni Madhav Road	15.00 x 30.00	Under Construction
			25.475498, 81.887121	Bajarang Das Road	15.00 x 30.00	Under Construction
9	Sector-9	1	25.464918, 81.873669	Bajarang Das Gangeshwar Chauraha	8.50 x 12.50	Under Construction
10	Sector-10	1	25.491677, 81.879483	Kailashpuri Govinda Chauraha	16.50 x 16.50	Under Construction
11	Sector-11	3	25.493451, 81.911297	Sangam Lower Road	16.00 x 16.00	Under Construction
			25.497385, 81.908369	Ahilyabai Road	17.00 x 13.00	Under Construction
			25.490406, 81.907075	Hetapatti Road	17.00 x 11.00	Under Construction
12	Sector-12	5	25.497927, 81.88031	Mukti Road	14.00 x 9.00	Under Construction
			25.466119, 81.923301	Gangeshwar Mukti Road Chauraha	13.00 x 7.00	Under Construction

			25.466991, 81.923301	Padam Madhav Road	11.00 x 10.00	Under Construction
			25.482104, 81.879968	Gangeshwar Road	17.00 x 17.00	Under Construction
			25.464967, 81.87364	Hetapatti Road	15.00 x 15.00	Under Construction
13	Sector-13	2	25.481683, 81.891579	Near Mansahita samyamai road	18m x 18m	No
			25.466489, 81.914142	Near Mansahita Veni Madhav Road	15m x 15m	No
14	Sector-14	2	25.464758, 81.913721	Anant Madhav road near Mansahita Nala	15m x 10m	No
			25.462783, 81.913518	Veni Madhav road near Mansahita Nala	11m x 9m	No
15	Sector-15	3	25.458432, 81.909856	At Cross Section of Bhardwaj road & Mansanhita Nala	10m x 20m	No
			25.460618, 81.911823	Near Mansanhita towerds Anant Madhav road	20m x 20m	No
			25.460615, 81.911807	At cross section of Bhardwaj road & Harshvardhan road.	20m x 30m	No
16	Sector-16	4	25.460986, 81.903341	Bhardwaj road Harshwardhan Shakracharya	10m x 10m	No
			25.458097, 81.909646	Bhardwaj road Mukti Mansahita Nala	10m x 10m	No
			25.454523, 81.90682	Nagvasuki road Mukti Mansahita Nala	10m x 10m	No
			25.456431, 81.901832	Nagvasuki road Harshvardhan Shankaracharya.	10m x 10m	No
17	Sector-17	5	25.449789, 81.89956	Harshvardhan Marg between Surdas road	12m x 20m	No
			25.452749, 81.900926	Surdas Road between Nagwaski road	12m x 20m	No
			25.452741, 81.900926	Surdas Road between Nagwaski road	12m x 20m	No
			25.454287, 81.905943	Nagvasiki raod to Mansiyta drain	10m x 3m	No
			25.452661, 81.904517	Soordas road to Mansaita drain	10m x 3m	No
18	Sector-18	8	25.44087, 81.90211	Vat Madhav Road near Mansahita Nala	10m x 3m	No
			25.442574, 81.896656	Vat Madhav Road between Harshvardhan and Sankaracharya Road	10m x 4m	No

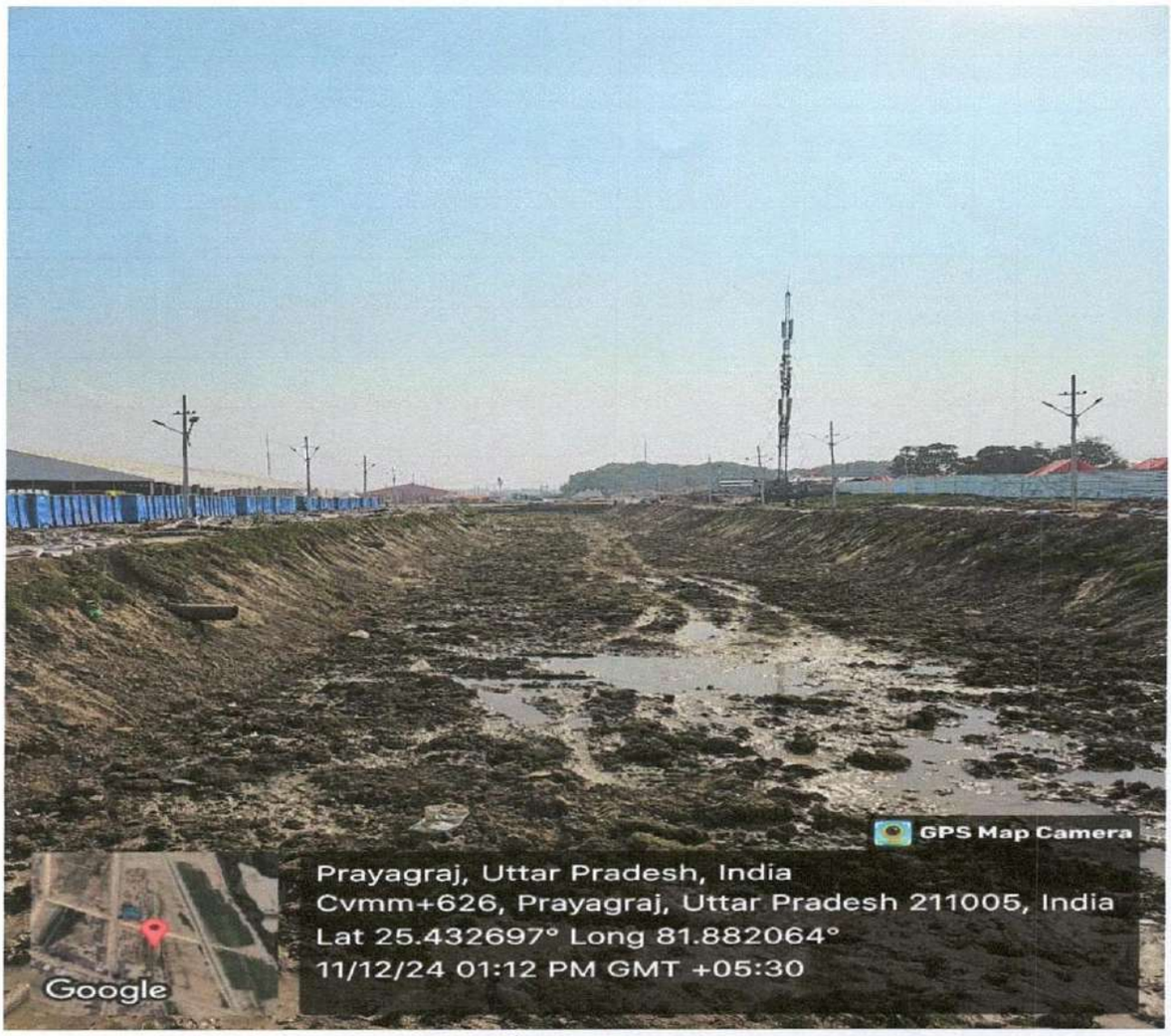
			25.448727, 81.903799	Old GT road Near Mansahita Nala	10m x 3m	No
			25.444578, 81.897123	Old GT road Near Harshvardhan and Sankaracharya Road	10m x 2.5m	No
			25.446173, 81.904142	Alopi Shankari road near Mansahita Nala	10m x 3m	No
			25.447752, 81.89885	Alopi Shankari road between near Harshvardhan and Sankaracharya Road	10m x 4m	No
			25.448727, 81.903802	Harishchandra road Near Mansahita Nala	10m x 3m	No
			25.449572, 81.899551	Harishchandra road between Harshvardhan and Sankaracharya Road	10m x 2.5m	No
19	Sector-19	8	25.439196, 81.891649	Tulsi Marg under old Railway Bridge	20m x 20m	No
			25.438443, 81.893868	Sankaracharya marg under old Railway Bridge (Both side)	20m x 20m	No
			25.434524, 81.900047	Mori Marg near Mansahita Nala (Both Side)	20m x 20m	No
			25.437713, 81.900446	Sankatharan marg near Mansahita Nala (Both Side)	20m x 20m	No
			25.439014, 81.901316	Gangoli Shivala marg near Mansahita Nala (Both Side)	20m x 20m	No
			25.440937, 81.901872	Vat Madhav marg near Mansahita Nala	20m x 20m	No
			25.43532, 81.893288	Sankaracharya marg under Shastri Bridge (Both Side)	20m x 20m	No
			25.43443, 81.895623	Under Shastri bridge between Sangam lower and Shakracharya road	20m x 20m	No
20	Sector-20	5	25.427149, 81.897981	Jagdeesh Marg Near Mansahita Nala	25m x 15m	Excavated.
			25.42957, 81.898962	Triveni Marg Near Mansahita Nala	10m x 10m	No
			25.42936, 81.898702	Triveni Marg Near Mansahita Nala	10m x 10m	No
			25.42936, 81.898697	Kali Marg Near Mansahita Nala	10m x 10m	No
			25.431098, 81.899304	Kali Marg Near Mansahita Nala	10m x 10m	No

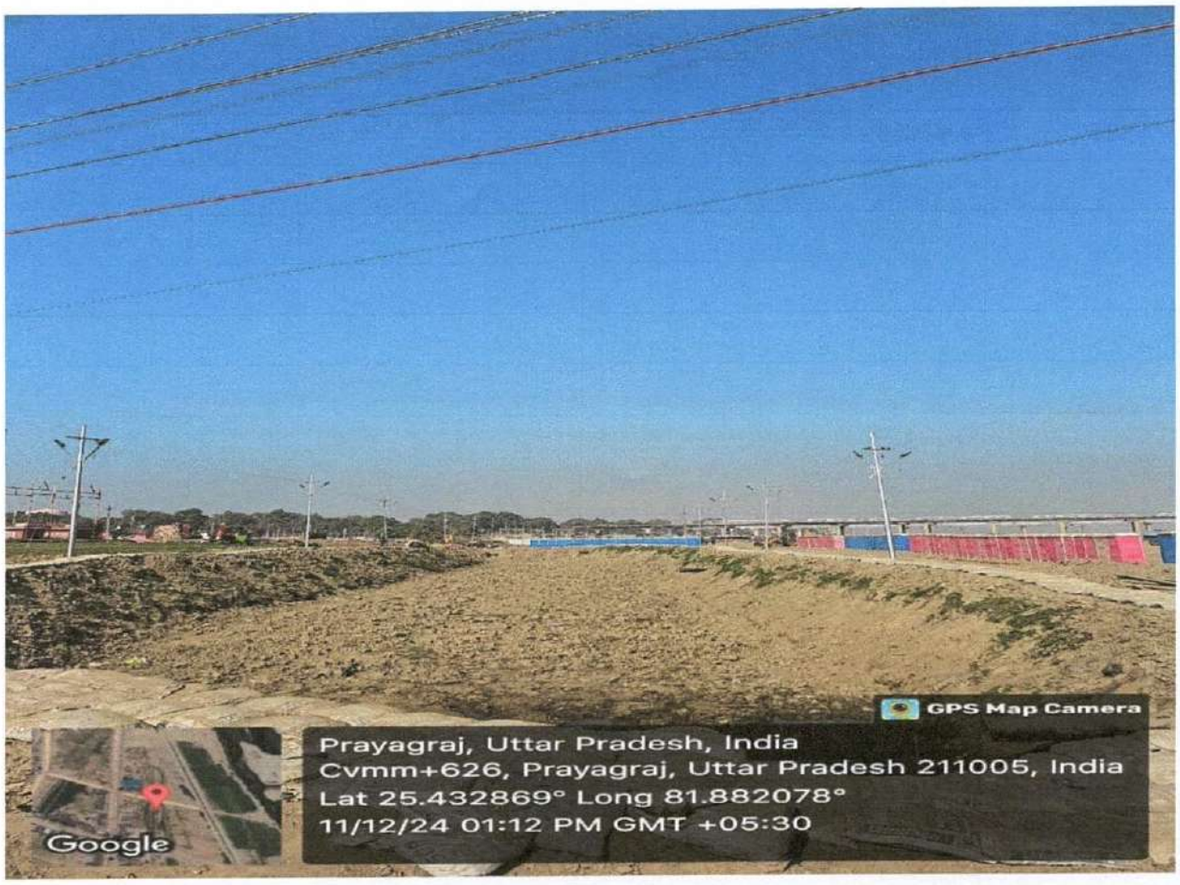
21	Sector-21	6	25.424416, 81.897979	Mahaveer Marg (South) Near Mansaita Nala	15m x 10m	No
			25.423462, 81.898233	Akshayvat Marg (North) Near Mansaita Nala	15m x 10m	No
			25.422643, 81.898076	Akshayvat Marg (North) Near Mansaita Nala	15m x 10m	No
			25.421009, 81.898360	Near Mansaita Nala (West)	10m x 10m	No
			25.421283, 81.896706	Ramananda "C" Marg (West) Near Sursuri Marg	15m x 10m	No
			25.425378, 81.892675	Between Ramanand "A" Marge (West) and Akshayvat Marg (South) Near Gangaji	30m x 30m	No
22	Sector-22	0	-	-	-	-
23	Sector-23	7	25.421522, 81.87707	Near main road/Parmarth campus	20m x 20m	Excavated.
			25.423342, 81.871519	Near STP Nala/Out let of STP (Left side)	17m x 16m	Excavated.
			25.423491, 81.870754	Near STP Nala (Right Side)	17m x 16m	Excavated.
			25.423574, 81.867001	Near new bridge (Naini)	23m x 17m	Excavated.
			25.423701, 81.864554	Near new bridge (Naini)	18m x 18m	Excavated.
			25.423885, 81.861301	Near new bridge ke Neeche	16m x 14m	Excavated.
			25.423072, 81.815609	Old bridge naini ke pass/ Nala ke par	21m x 12m	Excavated.
24	Sector-24	3	25.414274, 81.889385	Pond Near Mahakal Ramp	23 m x 20 m	Excavated.
			25.403297, 81.895616	Pond Near Vallabhacharya	25 m X 18 m	Excavated.
			25.407337, 81.894496	Pond on Mahaveer lower marg near Someshwar Ramp	17 m X 15 m	Excavated.
25	Sector-25	1	25.393789, 81.900251	Naini Ashram	20 m X 10 m	Excavated.

Note:- The Depth of Pond varied from 1.5 m to 2.5 M depending upon the site conditions especially sub soil water level.

PHOTOGRAPHS OF PONDS UNDER CONSTRUCTION FOR TREATMENT OF GREY WATER THROUGH PONDING AND BIOREMEDIATION

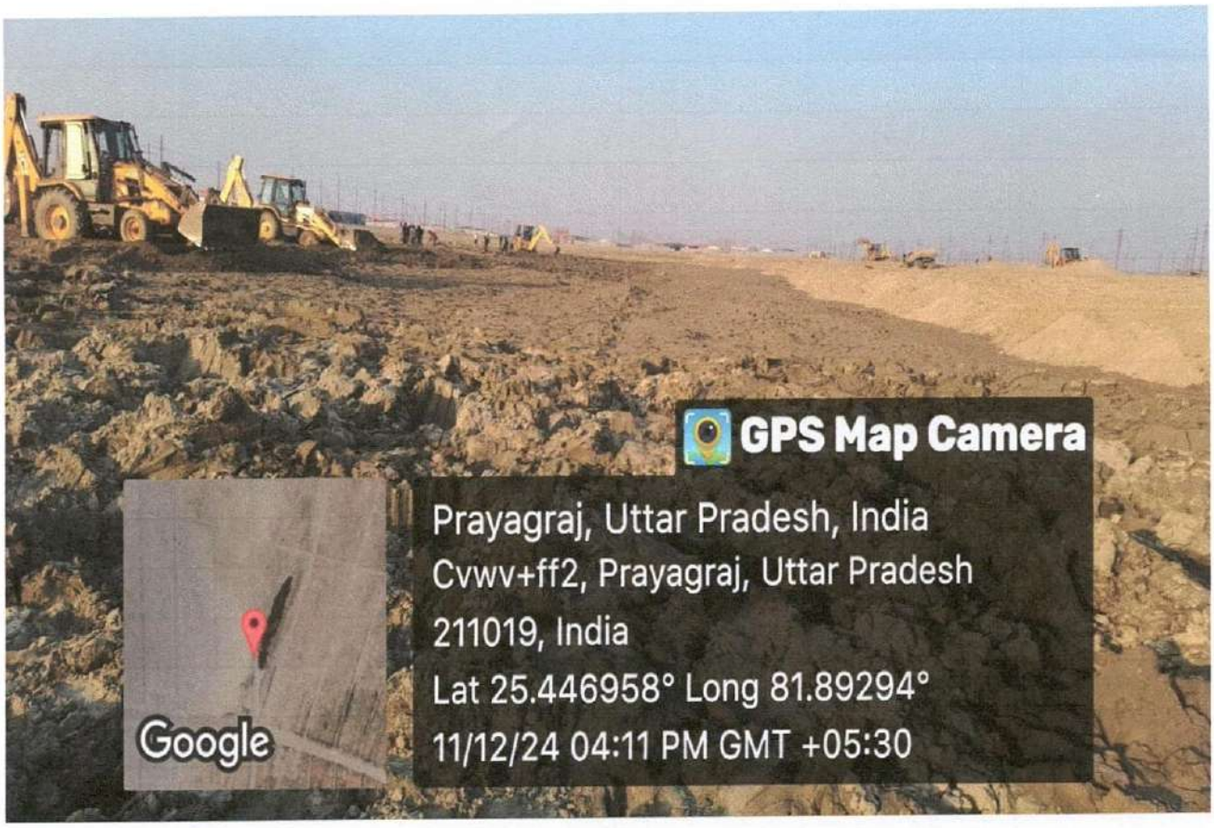
Sector – 04




GPS Map Camera
Prayagraj, Uttar Pradesh, India
Cvmm+626, Prayagraj, Uttar Pradesh 211005, India
Lat 25.432869° Long 81.882078°
11/12/24 01:12 PM GMT +05:30
Google


GPS Map Camera
Prayagraj, Uttar Pradesh, India
Cvqj+cfq, Parade Ground, Daraganj, Prayagraj, Uttar Pradesh 211005, India
Lat 25.438592° Long 81.88309°
11/12/24 01:20 PM GMT +05:30
Google

Sector – 05

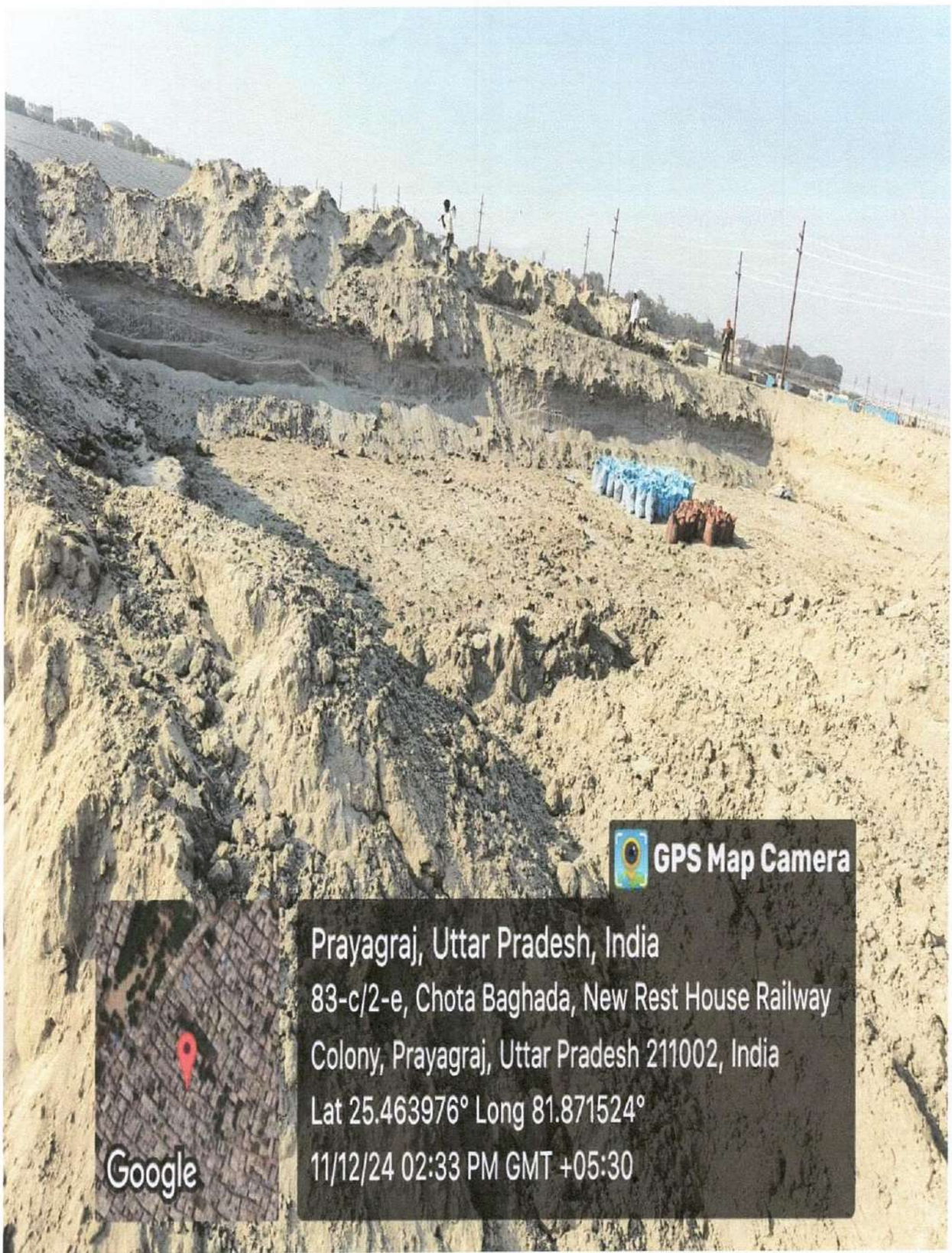


Sector – 06


Latitude: 25.462335
Longitude: 81.879897
Elevation: 98.19±15 m
Accuracy: 3.0 m
Time: 12-10-2024 17:15
Note: नियर कैलाशपुरी नाला रोड
Powered by NoteCam

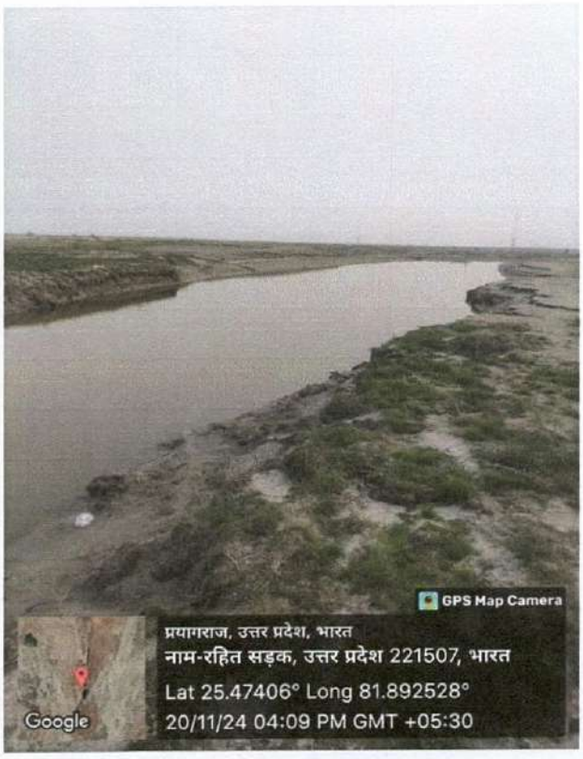

Latitude: 25.460402
Longitude: 81.882896
Elevation: 97.88±2 m
Accuracy: 1.6 m
Time: 12-10-2024 17:08
Note: नियर बिंदु माधव रोड
Powered by NoteCam

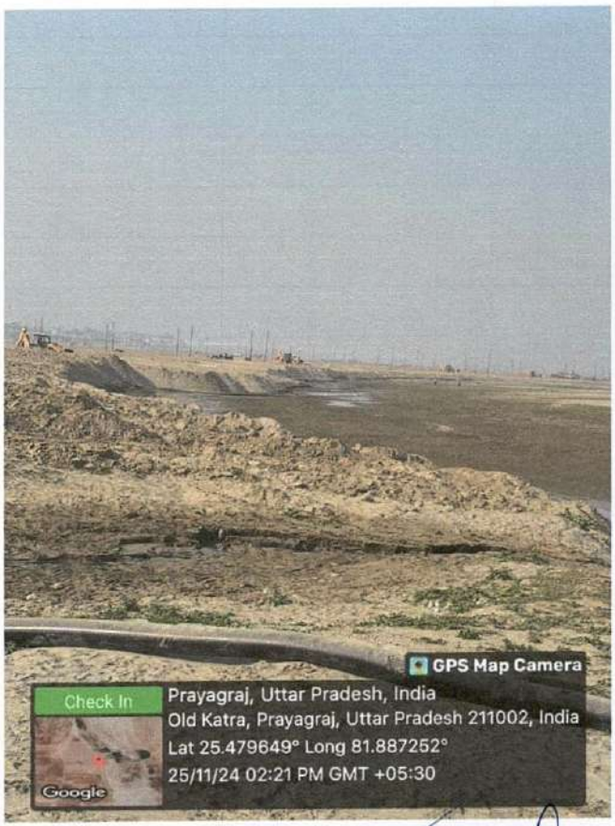
Sector – 07

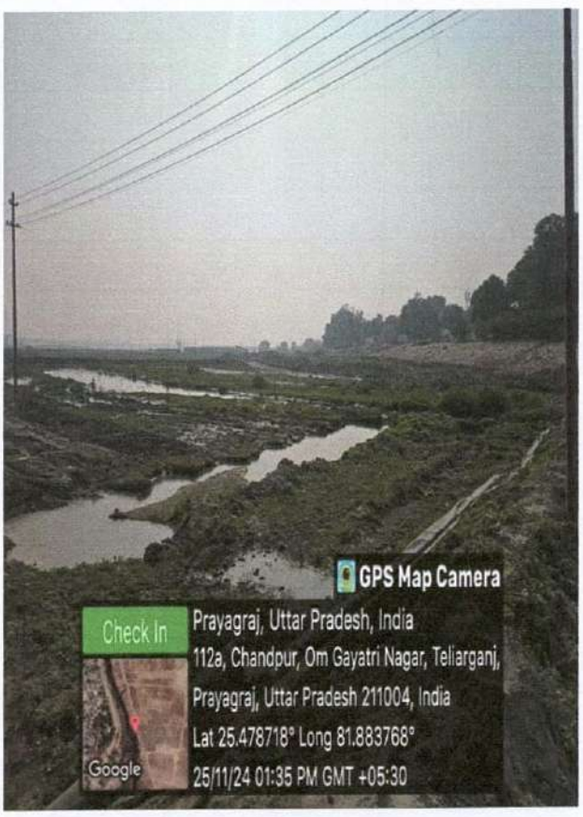

GPS Map Camera
Prayagraj, Uttar Pradesh, India
83-c/2-e, Chota Baghada, New Rest House Railway Colony, Prayagraj, Uttar Pradesh 211002, India
Lat 25.463976° Long 81.871524°
11/12/24 02:33 PM GMT +05:30
Google

Sector – 08


Latitude: 25.475498
Longitude: 81.887121
Elevation: 108.65±8 m
Accuracy: 9.3 m
Time: 02-12-2024 16:30


GPS Map Camera
प्रयागराज, उत्तर प्रदेश, भारत
नाम-रहित सड़क, उत्तर प्रदेश 221507, भारत
Lat 25.47406° Long 81.892528°
20/11/24 04:09 PM GMT +05:30
Google


GPS Map Camera
Check In
Prayagraj, Uttar Pradesh, India
Old Katra, Prayagraj, Uttar Pradesh 211002, India
Lat 25.479649° Long 81.887252°
25/11/24 02:21 PM GMT +05:30
Google


GPS Map Camera
Check In
Prayagraj, Uttar Pradesh, India
112a, Chandpur, Om Gayatri Nagar, Teliarganj,
Prayagraj, Uttar Pradesh 211004, India
Lat 25.478718° Long 81.883768°
25/11/24 01:35 PM GMT +05:30
Google

Sector – 09


JCB
GPS Map Camera
Prayagraj, Uttar Pradesh, India
74/5/I, Chota Baghada, New Rest House Railway Colony, Prayagraj, Uttar Pradesh 211002, India
Lat 25.464918° Long 81.873669°
08/12/24 04:11 PM GMT +05:30
Google

Sector – 10

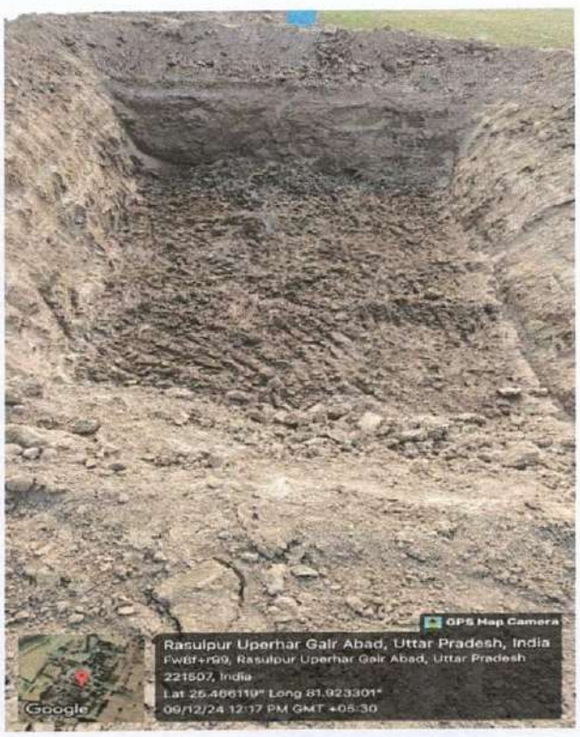
Sector – 11

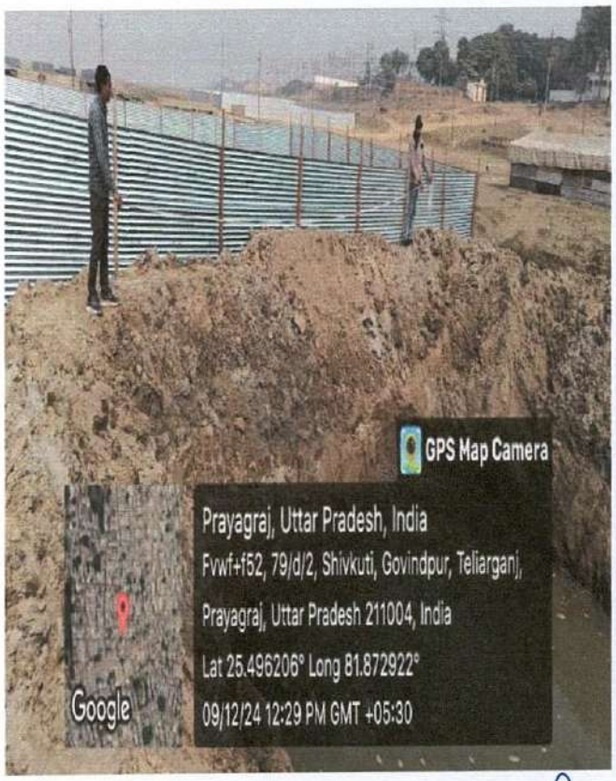

GPS Map Camera
Bela Shailabi Gair Abad, Uttar Pradesh, India
Bela Shailabi Gair Abad, Uttar Pradesh, India
Lat 25.493451° Long 81.911297°
11/12/24 02:29 PM GMT +05:30
Google


JCB
GPS Map Camera
बेला शैलाबी गैर अबाद, उत्तर प्रदेश, भारत
नाम-रहित सड़क, बेला शैलाबी गैर अबाद, उत्तर प्रदेश 221507, भारत
Lat 25.490406° Long 81.907075°
11/12/24 03:30 PM GMT +05:30
Google

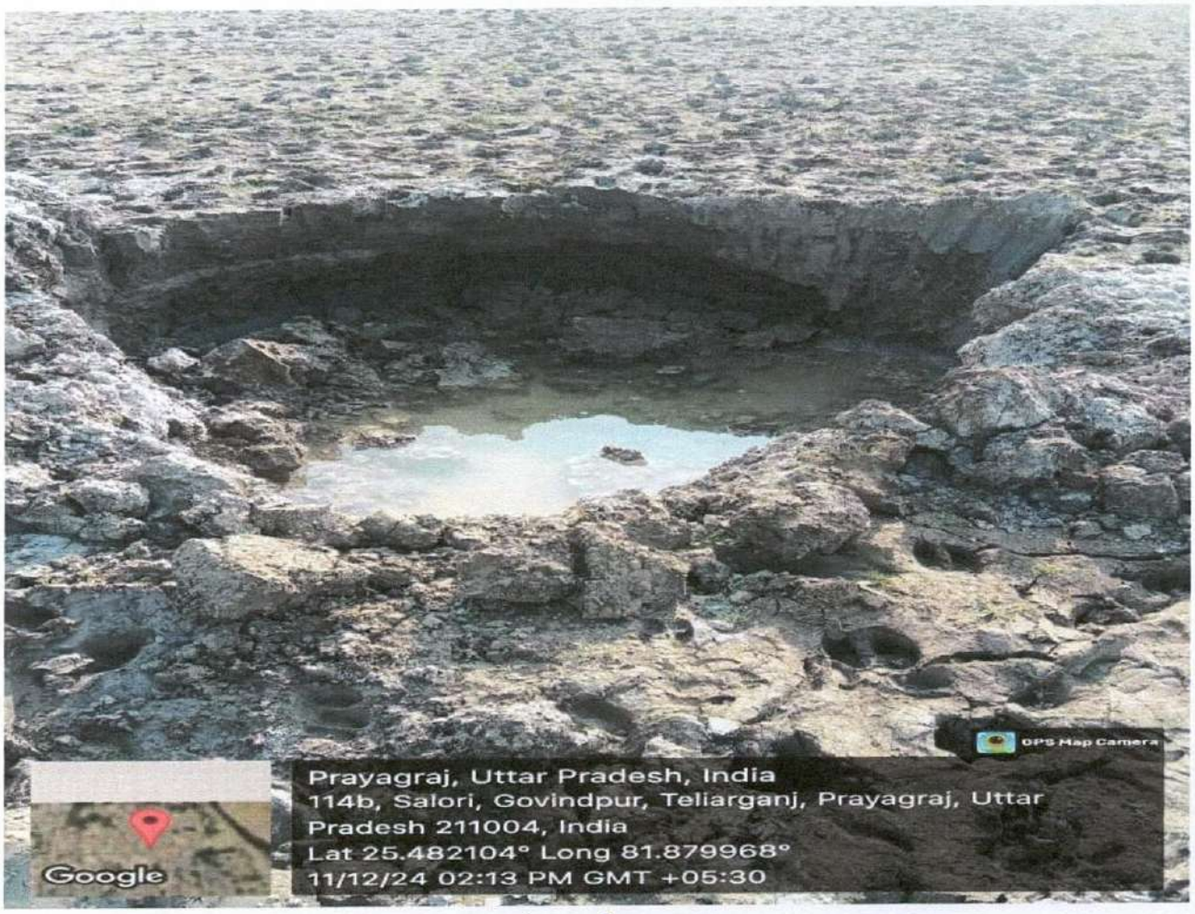
Sector – 12


GPS Map Camera
Rasulpur Uperhar Gair Abad, Uttar Pradesh, India
Fw8f+r99, Rasulpur Uperhar Gair Abad, Uttar Pradesh 221507, India
Lat 25.466119° Long 81.923301°
09/12/24 12:16 PM GMT +05:30
Google


GPS Map Camera
Rasulpur Uperhar Gair Abad, Uttar Pradesh, India
Fw8f+r99, Rasulpur Uperhar Gair Abad, Uttar Pradesh 221507, India
Lat 25.466119° Long 81.923301°
09/12/24 12:17 PM GMT +05:30
Google


GPS Map Camera
Prayagraj, Uttar Pradesh, India
Fvwf+f52, 79/d/2, Shivkuti, Govindpur, Teliarganj, Prayagraj, Uttar Pradesh 211004, India
Lat 25.496206° Long 81.872922°
09/12/24 12:29 PM GMT +05:30
Google


Prayagraj, Uttar Pradesh, India
74/a/5/a/17, Chota Baghada, New Rest House Railway Colony, Prayagraj, Uttar Pradesh 211002, India
Lat 25.464967° Long 81.87364°
11/12/24 02:06 PM GMT +05:30
Google


GPS Map Camera
Prayagraj, Uttar Pradesh, India
114b, Salori, Govindpur, Teliarganj, Prayagraj, Uttar Pradesh 211004, India
Lat 25.482104° Long 81.879968°
11/12/24 02:13 PM GMT +05:30
Google

Sector – 24


NoteCam @ iOS
Latitude: 25.403297
Longitude: 81.895616
Elevation: 82.10±3.00 m
Accuracy: 8.47 m
Time: 11-12-2024 11:56:34
Note: Pond near vallabhachary


Latitude: 25.414274
Longitude: 81.889385
Elevation: 76.04±3.01 m
Accuracy: 3.56 m
Time: 11-12-2024 11:49:07
Note: Pond near Mahakal Ramp


Latitude: 25.407337
Longitude: 81.894496
Elevation: 74.64±3.00 m
Accuracy: 4.01 m
Time: 11-12-2024 12:07:16
Note: Pond on Mahaveer lower marg near Someshwar Ramp

DETAILS OF CONTRACTS EXECUTED FOR BIOREMEDIATION OF GREY WATER , CONSTRUCTION OF 03 NOS PREFABRICATED STP, LAYING OF DRAINAGE PIPE LINE AND OPERATION & MAINTENANCE WORK OF 100 KLD & 50 KLD FAECAL SLUDGE CO-TREATEMENT PLANTS AT NAINI & JHUNSI

Sr No	Detail of Work	Contract Agreement No	Amount (in Rs.)	Name of Firm	Date of Start	Date of Completion
1	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 5, 6 and 07 (Package-1) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	01/E.E./2024-25	4597449.13	M/s Organic121 Scientific Pvt Ltd., 328, 3rd Floor, Suncity Success Tower, Sector 65,Gurugram, Harayana 122018 E-mail: Info@organic121.com, Hgupta@organic121.com. **JV** M/s Welcome Enviro Technologies99, NANKAGADHI, Unnamed Road, Dasna Dehat, Ghaziabad, Uttar Pradesh, 201015 E-mail: wetcchmsd@gmail.com	01.10.2024	31.03.2025
2	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 8, 9 and 10 (Package-2) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	03/E.E./2024-25	3887239.90	M/s VasudhaSanrakshan Private Limited., Palpur, Jagdishpur, Amethi, Uttar Pradesh-227809 E-mail: vasudha.ka.sanrakshan @gmail.com (65%). **JV** M/s Agrobotics Tech Private Limited 36G, Ground Floor, Parsvnath Estate, Omega Sector-1, Greater Noida, Uttar Pradesh E-mail: shravani:1lk2976@gmail.com(35%)	01.10.2024	31.03.2025
3	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour,	02/E.E./2024-25	5895296.97	M/s Organic121 Scientific Pvt Ltd., 328, 3rd Floor, Suncity Success Tower, Sector 65,Gurugram, Harayana 122018 E-mail: Info@organic121.com,	01.10.2024	31.03.2025

	equipments and T&P etc. required for Treatment of Grey water generated in Sector- 11, 12 and 13 (Package-3) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period			Hgupta@organic121.com. **JV** M/s Welcome Enviro Technologies99, NANKAGADHI, Unnamed Road, Dasna Dehat, Ghaziabad, Uttar Pradesh, 201015 E-mail: wetcchmsd@gmail.com-		
4	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 14, 15 and 16 (Package-4) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	06/E.E./2024-25	4552623.30	M/s SIGN-AGE (INDIA) PRIVATE LIMITED., A 49, SECOTOR 83 PHASE II EXTENSION NOIDA, Email: signagetender@gmail.com	01.10.2024	31.03.2025
5	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 17, 18 and 19 (Package-5) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	07/E.E./2024-25	4482582.94	M/s SIGN-AGE (INDIA) PRIVATE LIMITED., A 49, SECOTOR 83 PHASE II EXTENSION NOIDA, Email: signagetender@gmail.com	01.10.2024	31.03.2025
6	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of	04/E.E./2024-25	4237441.69	M/s VasudhaSanrakshan Private Limited., Palpur, Jagdishpur, Amethi, Uttar Pradesh-227809	01.10.2024	31.03.2025

	Grey water generated in Sector- 20, 21 and 22 (Package-6) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period					
7	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment units , Construction of Check Barriers and any other relevant materials, labour, equipments and T&P etc. required for Treatment of Grey water generated in Sector- 23, 24 and 25 (Package-7) of Maha Kumbh Mela Area by Bioremediation Method alongwith Regular desludging of ponds and Operation & Maintenance of all the Treatment units and V-notch during Maha Kumbh Mela period	05/E.E./2024-25	3572058.28	M/s VasudhaSanrakshan Private Limited., Palpur, Jagdishpur, Amethi, Uttar Pradesh-227809.	01.10.2024	31.03.2025
8	Supply of all Material, Labour, Fuel & other Consumables, Disinfectants, Plants for Planted Gravel Filter bed , T&P etc. for Operation and Maintenance of 02 Nos Feacal Sludge Co-Treatment Plant of 100 KLD Capacity at Naini 42 MLD STP Campus and 50 KLD Capacity at Jhunsi 16 MLD STP Campus alongwith operation & maintenance of 15 Nos. Cesspool vehicles and collection of feacal sludge/septage from septic tank of households in Naini and Jhunsi area as per directions of Engineer-in-Charge.	36/SECCPYJ-MK-2024/2024-25	15632531.01	M/s. Shivay Construtions, Sector-K-312, L.D.A., Ashiyana Colony, Kanpur Road, Lucknow-226018.	01.01.2025	30.09.2025
9	Survey, Design,Supply, Installation and Operation & Maintenance of 03 Nos Prefabricated Sewage Treatment Plant of 0.5 MLD Capacity Each for Treatment of Sewage/ Septage / Faecal Sludge in Maha Kumbh Mela Area, Under Maha Kumbh Mela – 2025 Programme	11/SECCPYJ-MK-2024/2024-25	47587561.56	M/s. Shri Ram Constructions, 23 Shivpuri Colony Picnic Spot Road Faridinagar Lucknow 226015 **JV** M/s R & R Infra C-18B, G.F Parsavnath Paradise Mohan Nagar Ghaziabad UP	23.09.2024	31.03.2025
10	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during	11/EE-MK-2025/2024-25	5389732.53	M/s Shree Enterprises, Chaukatha, Tiwariyan Sukulpur, Meja,	29.09.2024	28.03.2025

	entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-1 in Sector 1 & 2 of Mahakumbh Mela			Prayagraj		
11	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-2 in Sector 3, 4 & 5 of Mahakumbh Mela	26/SECCPYJ-MK-2025/2024-25	17787956.89	M/s J.P. Enterprises, 10-A, J.P. Nagar, Naini, Prayagraj	09.10.2024	31.03.2025
12	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-3 in Sector 6, 7 & 8 of Mahakumbh Mela	31/SECCPYJ-MK-2025/2024-25	17410298.64	M/s G.P. Construction, (JV) M/s Twara Construction Company Pvt. Ltd. Jaitpur, Phulpur, Hanumanganj, Prayagraj	11.10.2024	31.03.2025
13	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-4 in Sector 9, 10,11 & 12 of Mahakumbh Mela	20/SECCPYJ-MK-2025/2024-25	27008855.59	M/s S.S. Construction, (JV) M/s Jay Devi Enterprises, 536A/2/29, Allahpur, Prayagraj	07.10.2024	31.03.2025
14	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-5 in Sector 13, 14,15 & 16 of Mahakumbh Mela	26/SECCPYJ-MK-2025/2024-25	17787956.89	M/s J.P. Enterprises, 10-A, J.P. Nagar, Naini, Prayagraj	09.10.2024	31.03.2025
15	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition	13/SECCPYJ-MK-2025/2024-25	30160601.65	M/s Durgawati Global Project Pvt. Ltd. (JV) M/s Baba Construction Pvt. Ltd.,Durgawati Hospital, Bus Station, Barhalganj, Gorakhpur.	03.10.2024	31.03.2025

	in departmental store under Package-6 in Sector 17, 18,19 & 20 of Mahakumbh Mela					
16	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-7 in Sector 21, 22 & 23 of Mahakumbh Mela	21/SECCPYJ-MK-2025/2024-25	19000130.88	M/s Durgawati Global Project Pvt. Ltd. (JV) M/s Baba Construction Pvt. Ltd.,Durgawati Hospital, Bus Station, Barhalganj, Gorakhpur.	07.10.2024	31.03.2025
17	Laying & jointing of HDPE / D.I. Pipe, construction of pond and its appurtenant work including its operation and maintenance during entire mela duration and its dismantling and return back of all supply to departmental store in satisfactory condition in departmental store under Package-8 in Sector 24 & 25 of Mahakumbh Mela	04/EE-MK-2025/2024-25	7795539.36	M/s Rajesh Singh, Ward no.1, Kareha, Karchhana, Prayagraj	24.09.2024	23.03.2025

(ASHUTOSH YADAV) 12/12/24
Executive Engineer
Construction Division-1
U.P. Jal Nigam (Urban)
Prayagraj

(AMIT KUMAR) 12.12.24
Superintending Engineer
Construction Circle
U.P. Jal Nigam (Urban)
Prayagraj

(SANJAY KUMAR GAUTAM) 12.12.2024
Chief Engineer(Prayagraj Zone)
U.P. Jal Nigam (Urban)
Prayagraj

Salori STP (Z1-S48) District- Prayagraj, Zone-Prayagraj 14 MLD
Category : STP
Plant Capacity : 14 MLD

Data Report

Duration:01-04-2024 00:00:00 To 12-12-2024 23:59:00

Interval Time : 1 Day

Station Name		Analyser Data					
No	Date Time	AN (mg/l)	BOD (mg/l)	COD (mg/l)	NN (mg/l)	PH (pH)	TSS (mg/l)
1	01-04-2024 00:00	0.35	5.88	22.35	0.99	7.23	5.37
2	02-04-2024 00:00	0.41	5.91	22.82	1.07	7.26	5.41
3	03-04-2024 00:00	0.43	6.10	25.27	1.02	7.25	5.39
4	04-04-2024 00:00	0.40	6.10	25.38	1.02	7.23	5.40
5	05-04-2024 00:00	0.41	6.16	26.15	1.12	7.23	5.42
6	06-04-2024 00:00	0.42	6.27	27.57	1.10	7.27	5.43
7	07-04-2024 00:00	0.37 (D)	6.38 (D)	29.07 (D)	1.16 (D)	7.27 (D)	5.43 (D)
8	08-04-2024 00:00	0.40	6.48	30.39	1.25	7.30	5.50
9	09-04-2024 00:00	0.45	6.50	30.66	1.21	7.29	5.52
10	10-04-2024 00:00	0.42	6.78	34.37	1.25	7.33	5.51
11	11-04-2024 00:00	0.44	7.62	45.61	1.21	7.30	6.66
12	12-04-2024 00:00	0.43	6.81	34.84	1.04	7.31	5.51
13	13-04-2024 00:00	0.41	7.10	38.65	1.17	7.32	5.74
14	14-04-2024 00:00	0.36	5.55	19.31	0.62	7.32	5.44
15	15-04-2024 00:00	0.31 (D)	5.58 (D)	19.47 (D)	0.63 (D)	7.32 (D)	5.38 (D)
16	16-04-2024 00:00	0.32	5.63	19.70	0.64	7.27	5.25
17	17-04-2024 00:00	0.29	5.42	18.78	0.59	7.31	4.06
18	18-04-2024 00:00	0.30	5.43	18.78	0.58	7.30	4.00
19	19-04-2024 00:00	0.28	5.50	19.11	0.65	7.31	3.92
20	20-04-2024 00:00	0.29	5.53	19.26	0.65	7.32	3.77
21	21-04-2024 00:00	0.34	5.49	19.05	0.69	7.31	3.36
22	22-04-2024 00:00	0.28	5.54	19.29	0.74	7.38	3.10
23	23-04-2024 00:00	0.27	5.54	19.27	0.75	7.37	3.10
24	24-04-2024 00:00	0.24	5.54	19.28	0.64	7.31	2.69
25	25-04-2024 00:00	0.27	5.58	19.49	0.60	7.31	2.72
26	26-04-2024 00:00	0.28	5.59	19.51	0.67	7.31	1.91
27	27-04-2024 00:00	0.30	5.80	21.36	0.63	7.33	3.80
28	28-04-2024 00:00	0.33	5.78	21.11	0.67	7.32	3.76
29	29-04-2024 00:00	0.19	6.03	24.45	0.72	7.30	3.64
30	30-04-2024 00:00	0.27	5.78	21.11	0.72	7.36	3.54
31	01-05-2024 00:00	0.26	5.84	21.83	0.67	7.32	3.50
32	02-05-2024 00:00	0.20	6.28	27.72	0.68	7.28	4.51
33	03-05-2024 00:00	0.32	10.78	87.78	0.76	7.35	8.31
34	04-05-2024 00:00	0.17	6.06	24.84	0.62	7.27	4.04
35	05-05-2024 00:00	0.23	3.06	16.32	0.81	7.07	4.50

* - Alert | D - No Discharge

Salori STP (Z1-S48) District- Prayagraj, Zone-Prayagraj 14 MLD
Category : STP
Plant Capacity : 14 MLD

Data Report

Duration:01-04-2024 00:00:00 To 12-12-2024 23:59:00

Interval Time : 1 Day

Station Name		Analyser Data					
No	Date Time	AN (mg/l)	BOD (mg/l)	COD (mg/l)	NN (mg/l)	PH (pH)	TSS (mg/l)
36	06-05-2024 00:00	0.21	3.23	16.63	0.82	7.05	4.16
37	07-05-2024 00:00	0.18	3.57	17.24	0.89	7.10	4.39
38	08-05-2024 00:00	0.24	3.82	17.68	0.88	7.09	4.27
39	09-05-2024 00:00	0.26	4.10	18.03	0.84	7.11	4.35
40	10-05-2024 00:00	0.15	4.34	18.11	0.89	7.09	4.47
41	11-05-2024 00:00	0.30	4.61	18.20	0.88	7.10	4.59
42	12-05-2024 00:00	0.30	4.77	18.26	0.88	7.12	4.74
43	13-05-2024 00:00	0.28	4.95	18.32	0.90	7.10	4.58
44	14-05-2024 00:00	0.22	5.06	18.38	0.94	7.09	4.73
45	15-05-2024 00:00	0.29	5.53	18.78	0.95	7.13	6.13
46	16-05-2024 00:00	0.27	5.16	18.47	1.03	7.15	4.91
47	17-05-2024 00:00	0.27	5.25	18.54	0.85	7.12	4.85
48	18-05-2024 00:00	0.31	5.32	18.60	0.83	7.16	4.87
49	19-05-2024 00:00	0.34	5.45	18.71	0.88	7.22	5.14
50	20-05-2024 00:00	0.38	7.02	20.87	0.95	7.20	6.27
51	21-05-2024 00:00	0.33	5.57	18.81	0.99	7.24	5.16
52	22-05-2024 00:00	0.32	5.67	18.89	0.78	7.21	5.20
53	23-05-2024 00:00	0.19	5.87	19.06	0.80	7.06	6.03
54	24-05-2024 00:00	0.32	6.23	19.55	0.68	7.23	6.35
55	25-05-2024 00:00	0.31	6.17	19.46	0.63	7.22	6.27
56	26-05-2024 00:00	0.27	6.66	20.21	0.67	7.15	5.44
57	27-05-2024 00:00	0.19	5.47	18.73	0.84	7.16	5.23
58	28-05-2024 00:00	0.18	5.53	18.77	0.84	7.14	5.18
59	29-05-2024 00:00	0.22	5.60	18.83	0.80	7.15	5.03
60	30-05-2024 00:00	0.21	5.67	18.89	0.82	7.17	5.05
61	31-05-2024 00:00	0.22	5.79	18.99	0.70	7.15	5.23
62	01-06-2024 00:00	0.15	5.83	19.02	0.73	7.11	5.16
63	02-06-2024 00:00	0.05	5.86	19.05	1.08	7.13	5.17
64	03-06-2024 00:00	0.05	5.89	19.07	1.17	7.08	5.04
65	04-06-2024 00:00	0.09	5.91	19.09	0.97	7.09	5.10
66	05-06-2024 00:00	0.12	5.95	19.12	0.89	7.11	5.09
67	06-06-2024 00:00	0.12	5.98	19.15	1.12	7.10	5.09
68	07-06-2024 00:00	0.03	6.01	19.19	1.57	7.04	5.07
69	08-06-2024 00:00	0.08	6.01	19.19	1.24	7.09	5.07
70	09-06-2024 00:00	0.05	6.05	19.25	1.28	7.09	5.21

* - Alert | D - No Discharge

Salori STP (Z1-S48) District- Prayagraj, Zone-Prayagraj 14 MLD
Category : STP
Plant Capacity : 14 MLD

Data Report

Duration:01-04-2024 00:00:00 To 12-12-2024 23:59:00

Interval Time : 1 Day

Station Name		Analyser Data					
No	Date Time	AN (mg/l)	BOD (mg/l)	COD (mg/l)	NN (mg/l)	PH (pH)	TSS (mg/l)
71	10-06-2024 00:00	0.09	6.04	19.24	1.22	7.15	5.15
72	11-06-2024 00:00	0.05	6.05	19.24	1.16	7.10	5.08
73	12-06-2024 00:00	0.13	6.06	19.26	1.14	7.15	5.10
74	13-06-2024 00:00	0.19	6.09	19.32	1.75	7.14	5.13
75	14-06-2024 00:00	0.42	6.10	19.33	1.72	7.11	5.14
76	15-06-2024 00:00	0.99 (D)	6.11 (D)	19.35 (D)	1.16 (D)	7.15 (D)	5.13 (D)
77	16-06-2024 00:00	1.09	6.13	19.38	1.81	7.12	5.10
78	17-06-2024 00:00	1.00	6.10	19.34	1.72	7.16	5.08
79	18-06-2024 00:00	0.14	6.11	19.36	0.47	7.19	5.11
80	19-06-2024 00:00	0.37 (D)	6.12 (D)	19.36 (D)	0.46 (D)	7.18 (D)	5.06 (D)
81	20-06-2024 00:00	1.09 (D)	6.14 (D)	19.39 (D)	0.67 (D)	7.18 (D)	5.11 (D)
82	21-06-2024 00:00	1.06	6.17	19.45	0.84	7.10	5.14
83	22-06-2024 00:00	1.37	6.17	19.45	0.88	7.08	5.12
84	23-06-2024 00:00	1.46	6.19	19.48	0.93	7.06	5.10
85	24-06-2024 00:00	1.66	6.19	19.49	0.94	7.11	5.07
86	25-06-2024 00:00	1.77	6.20	19.50	1.09	7.08	5.08
87	26-06-2024 00:00	1.85	6.19	19.49	0.87	7.09	5.08
88	27-06-2024 00:00	1.87 (D)	6.22 (D)	19.54 (D)	1.05 (D)	7.03 (D)	5.10 (D)
89	28-06-2024 00:00	1.93	7.01	20.77	1.21	7.10	6.83
90	29-06-2024 00:00	1.95 (D)	6.23 (D)	19.54 (D)	1.25 (D)	7.13 (D)	5.07 (D)
91	30-06-2024 00:00	1.93 (D)	6.24 (D)	19.56 (D)	1.18 (D)	7.08 (D)	5.12 (D)
92	01-07-2024 00:00	2.00 (D)	6.23 (D)	19.56 (D)	1.16 (D)	7.13 (D)	5.09 (D)
93	02-07-2024 00:00	2.03	6.24	19.56	1.20	7.12	5.07
94	03-07-2024 00:00	1.93	6.25	19.58	1.25	7.08	5.07
95	04-07-2024 00:00	1.98	6.26	19.59	1.32	7.10	5.09
96	05-07-2024 00:00	1.85	6.27	19.61	1.42	7.13	5.09
97	06-07-2024 00:00	1.88	6.27	19.62	1.49	7.18	5.09
98	07-07-2024 00:00	1.87	6.28	19.63	1.40	7.06	5.09
99	08-07-2024 00:00	1.87 (D)	6.28 (D)	19.63 (D)	1.35 (D)	7.08 (D)	5.09 (D)
100	09-07-2024 00:00	1.91	6.31	19.69	1.54	7.15	5.27
101	10-07-2024 00:00	1.87	6.30	19.66	1.38	7.12	5.10
102	11-07-2024 00:00	1.96	6.28	19.63	0.95	7.16	5.10
103	12-07-2024 00:00	1.96	6.29	19.65	1.04	7.17	5.13
104	13-07-2024 00:00	1.93	6.31	19.69	0.97	7.16	5.30
105	14-07-2024 00:00	1.91	6.30	19.67	1.03	7.15	5.10

* - Alert | D - No Discharge

Salori STP (Z1-S48) District- Prayagraj, Zone-Prayagraj 14 MLD
Category : STP
Plant Capacity : 14 MLD

Data Report

Duration:01-04-2024 00:00:00 To 12-12-2024 23:59:00

Interval Time : 1 Day

Station Name		Analyser Data					
No	Date Time	AN (mg/l)	BOD (mg/l)	COD (mg/l)	NN (mg/l)	PH (pH)	TSS (mg/l)
106	15-07-2024 00:00	1.92	6.32	19.70	1.03	7.20	5.16
107	16-07-2024 00:00	1.89	6.33	19.71	1.14	7.16	5.12
108	17-07-2024 00:00	2.03	6.42	19.86	0.84	7.21	5.74
109	18-07-2024 00:00	1.97	6.34	19.74	1.11	7.16	5.12
110	19-07-2024 00:00	1.98	6.35	19.75	0.97	7.15	5.12
111	20-07-2024 00:00	2.02	6.36	19.77	0.89	7.17	5.14
112	21-07-2024 00:00	2.01	6.38	19.80	1.16	7.18	5.15
113	22-07-2024 00:00	2.00	6.39	19.82	1.32	7.16	5.12
114	23-07-2024 00:00	1.94	7.01	20.74	1.03	7.20	6.84
115	24-07-2024 00:00	1.99	6.40	19.83	1.29	7.19	5.12
116	25-07-2024 00:00	2.00 (D)	6.41 (D)	19.85 (D)	1.42 (D)	7.16 (D)	5.14 (D)
117	26-07-2024 00:00	2.00	6.96	20.61	1.32	7.15	6.71
118	27-07-2024 00:00	1.99	6.42	19.86	1.20	7.15	5.14
119	28-07-2024 00:00	1.99	6.42	19.86	1.01	7.13	5.14
120	29-07-2024 00:00	1.98	6.42	19.87	0.94	7.20	5.14
121	30-07-2024 00:00	1.97	6.43	19.88	0.67	7.22	5.15
122	31-07-2024 00:00	1.98	6.46	19.94	1.18	7.21	5.21
123	01-08-2024 00:00	2.03	6.46	19.93	0.87	7.12	5.15
124	02-08-2024 00:00	1.97	6.46	19.94	1.13	7.12	5.12
125	03-08-2024 00:00	1.99	6.48	19.97	0.90	7.19	5.25
126	04-08-2024 00:00	2.02	6.46	19.94	0.75	7.23	5.18
127	05-08-2024 00:00	1.99	7.09	21.67	0.58	7.22	6.36
128	06-08-2024 00:00	1.97	6.50	20.00	1.03	7.23	5.17
129	07-08-2024 00:00	1.94	6.52	20.03	1.35	7.26	5.18
130	08-08-2024 00:00	1.94	6.53	20.04	1.30	7.19	5.17
131	09-08-2024 00:00	1.93	6.54	20.06	1.73	7.27	5.15
132	10-08-2024 00:00	1.95	6.56	20.08	1.89	7.33	5.16
133	11-08-2024 00:00	1.90	6.56	20.08	1.94	7.25	5.16
134	12-08-2024 00:00	1.87	6.57	20.10	2.25	7.30	5.18
135	13-08-2024 00:00	1.85	6.57	20.09	2.06	7.25	5.13
136	14-08-2024 00:00	1.85	6.57	20.10	1.85	7.33	5.16
137	15-08-2024 00:00	1.85	6.58	20.11	1.87	7.25	5.18
138	16-08-2024 00:00	1.81	6.60	20.14	1.97	7.18	5.29
139	17-08-2024 00:00	1.78	6.60	20.13	1.81	7.23	5.17
140	18-08-2024 00:00	1.76	6.62	20.16	1.96	7.23	5.21

* - Alert | D - No Discharge

Salori STP (Z1-S48) District- Prayagraj, Zone-Prayagraj 14 MLD
Category : STP
Plant Capacity : 14 MLD

Data Report

Duration:01-04-2024 00:00:00 To 12-12-2024 23:59:00

Interval Time : 1 Day

Station Name		Analyser Data					
No	Date Time	AN (mg/l)	BOD (mg/l)	COD (mg/l)	NN (mg/l)	PH (pH)	TSS (mg/l)
141	19-08-2024 00:00	1.72	6.68	20.25	2.32	7.19	5.15
142	20-08-2024 00:00	1.69	6.65	20.19	2.12	7.30	5.18
143	21-08-2024 00:00	1.68	6.67	20.23	2.33	7.25	5.17
144	22-08-2024 00:00	1.68	6.75	20.33	2.87	7.29	5.19
145	23-08-2024 00:00	1.68	6.75	20.33	2.63	7.29	5.41
146	24-08-2024 00:00	1.67	6.71	20.27	2.47	7.31	5.15
147	25-08-2024 00:00	1.65	6.70	20.27	2.49	7.26	5.15
148	26-08-2024 00:00	1.63 (D)	6.65 (D)	20.20 (D)	2.18 (D)	7.26 (D)	5.25 (D)
149	27-08-2024 00:00	1.62	6.68	20.24	2.50	7.28	5.17
150	28-08-2024 00:00	1.60	6.68	20.24	2.54	7.27	5.16
151	29-08-2024 00:00	1.60	6.64	20.19	2.06	7.34	5.18
152	30-08-2024 00:00	1.60	6.80	20.40	2.65	7.29	5.91
153	31-08-2024 00:00	1.59	7.01	20.78	2.76	7.26	6.11
154	01-09-2024 00:00	1.59	7.05	21.15	3.49	7.41	6.67
155	02-09-2024 00:00	1.57	6.76	20.34	3.22	7.37	5.26
156	03-09-2024 00:00	1.55	6.80	20.40	3.50	7.29	5.20
157	04-09-2024 00:00	1.50	6.93	20.57	3.56	7.40	5.62
158	05-09-2024 00:00	1.48	6.69	20.25	2.11	7.37	5.21
159	06-09-2024 00:00	1.39	7.08	21.50	2.26	7.34	6.61
160	07-09-2024 00:00	1.47	6.66	20.21	2.02	7.30	5.25
161	08-09-2024 00:00	1.45	6.70	20.26	2.44	7.30	5.24
162	09-09-2024 00:00	1.44	6.72	20.30	2.53	7.25	5.26
163	10-09-2024 00:00	1.42	6.67	20.23	1.13	7.38	5.29
164	11-09-2024 00:00	1.41	6.69	20.25	0.61	7.39	5.31
165	12-09-2024 00:00	1.38	6.70	20.27	1.04	7.31	5.27
166	13-09-2024 00:00	1.39	6.73	20.30	1.11	7.34	5.31
167	14-09-2024 00:00	1.38	6.85	20.47	2.04	7.22	5.24
168	15-09-2024 00:00	0.50	5.76	18.97	0.69	7.23	6.13
169	16-09-2024 00:00	0.48	6.26	19.60	0.62	7.36	6.38
170	17-09-2024 00:00	0.53	4.64	18.21	0.78	7.28	4.89
171	18-09-2024 00:00	0.49	5.47	18.73	0.76	7.38	6.05
172	19-09-2024 00:00	0.51	4.79	18.26	0.69	7.34	4.95
173	20-09-2024 00:00	0.50	4.98	18.33	0.77	7.30	5.06
174	21-09-2024 00:00	0.51	5.05	18.38	0.84	7.26	5.11
175	22-09-2024 00:00	0.50	5.09	18.41	0.97	7.31	5.12

* - Alert | D - No Discharge

Salori STP (Z1-S48) District- Prayagraj, Zone-Prayagraj 14 MLD
Category : STP
Plant Capacity : 14 MLD

Data Report

Duration:01-04-2024 00:00:00 To 12-12-2024 23:59:00

Interval Time : 1 Day

Station Name		Analyser Data					
No	Date Time	AN (mg/l)	BOD (mg/l)	COD (mg/l)	NN (mg/l)	PH (pH)	TSS (mg/l)
176	23-09-2024 00:00	0.50	5.12	18.43	0.89	7.33	5.13
177	24-09-2024 00:00	0.50	5.39	18.66	0.91	7.36	6.06
178	25-09-2024 00:00	0.48	5.17	18.48	1.04	7.38	5.15
179	26-09-2024 00:00	0.47	5.22	18.51	0.96	7.37	5.21
180	27-09-2024 00:00	0.47	5.23	18.53	0.93	7.44	5.17
181	28-09-2024 00:00	0.45	5.26	18.55	0.91	7.40	5.23
182	29-09-2024 00:00	0.44	5.24	18.54	0.74	7.30	5.20
183	30-09-2024 00:00	0.44	5.29	18.58	0.68	7.30	5.23
184	01-10-2024 00:00	0.45	5.33	18.61	0.73	7.30	5.28
185	02-10-2024 00:00	0.46	5.35	18.62	0.89	7.32	5.18
186	03-10-2024 00:00	0.45	5.35	18.63	0.85	7.28	5.19
187	04-10-2024 00:00	0.43	5.43	18.69	0.73	7.34	5.46
188	05-10-2024 00:00	0.42	5.42	18.68	0.69	7.32	5.30
189	06-10-2024 00:00	0.41	5.47	18.72	0.80	7.32	5.29
190	07-10-2024 00:00	0.40	5.49	18.75	0.78	7.31	5.29
191	08-10-2024 00:00	0.42	5.53	18.77	0.74	7.33	5.27
192	09-10-2024 00:00	0.41	5.58	18.82	0.80	7.30	5.29
193	10-10-2024 00:00	0.40	5.67	18.89	0.87	7.33	5.75
194	11-10-2024 00:00	0.40	5.65	18.88	0.81	7.31	5.32
195	12-10-2024 00:00	0.40	5.69	18.91	0.84	7.31	5.36
196	13-10-2024 00:00	0.40	5.68	18.90	0.45	7.40	5.42
197	14-10-2024 00:00	0.39	5.75	18.96	0.71	7.32	5.45
198	15-10-2024 00:00	0.39	5.80	19.00	0.68	7.37	5.51
199	16-10-2024 00:00	0.37	5.85	19.04	0.87	7.30	5.47
200	17-10-2024 00:00	0.36	5.84	19.03	0.53	7.45	5.49
201	18-10-2024 00:00	0.38	5.87	19.06	0.60	7.37	5.49
202	19-10-2024 00:00	0.38	5.93	19.11	0.59	7.39	5.49
203	20-10-2024 00:00	0.37	5.92	19.10	0.23	7.42	5.47
204	21-10-2024 00:00	0.37	5.99	19.16	0.20	7.47	5.50
205	22-10-2024 00:00	0.38	6.03	19.22	0.27	7.48	5.52
206	23-10-2024 00:00	0.37	6.08	19.30	0.48	7.38	5.56
207	24-10-2024 00:00	0.36	6.10	19.34	0.20	7.45	5.67
208	25-10-2024 00:00	0.35	6.15	19.41	0.43	7.40	5.72
209	26-10-2024 00:00	0.36	6.16	19.43	0.19	7.52	5.63
210	27-10-2024 00:00	0.34	6.20	19.50	0.23	7.51	5.71

* - Alert | D - No Discharge

Salori STP (Z1-S48) District- Prayagraj, Zone-Prayagraj 14 MLD
Category : STP
Plant Capacity : 14 MLD

Data Report

Duration:01-04-2024 00:00:00 To 12-12-2024 23:59:00

Interval Time : 1 Day

Station Name		Analyser Data					
No	Date Time	AN (mg/l)	BOD (mg/l)	COD (mg/l)	NN (mg/l)	PH (pH)	TSS (mg/l)
211	28-10-2024 00:00	0.35	6.23	19.55	0.20	7.48	5.78
212	29-10-2024 00:00	0.32	6.26	19.59	0.21	7.49	5.71
213	30-10-2024 00:00	0.34	6.30	19.67	0.36	7.46	5.78
214	31-10-2024 00:00	0.34	6.32	19.70	0.44	7.43	5.85
215	01-11-2024 00:00	0.33	6.32	19.71	0.24	7.44	5.76
216	02-11-2024 00:00	0.33	6.36	19.77	0.58	7.39	5.78
217	03-11-2024 00:00	0.33	6.34	19.74	0.32	7.49	5.75
218	04-11-2024 00:00	0.34	6.37	19.78	0.33	7.43	5.85
219	05-11-2024 00:00	0.32	6.37	19.79	0.42	7.42	5.78
220	06-11-2024 00:00	0.32	6.38	19.80	0.53	7.40	5.74
221	07-11-2024 00:00	0.32	6.40	19.84	0.50	7.41	5.76
222	08-11-2024 00:00	0.31	6.40	19.83	0.22	7.45	5.77
223	09-11-2024 00:00	0.32	6.45	19.91	0.52	7.44	5.86
224	10-11-2024 00:00	0.29	6.56	20.08	0.24	7.49	6.13
225	11-11-2024 00:00	0.33	7.02	20.89	0.44	7.40	6.77
226	12-11-2024 00:00	0.32	6.49	19.98	0.22	7.51	5.99
227	13-11-2024 00:00	0.32	6.51	20.01	0.20	7.51	5.86
228	14-11-2024 00:00	0.33 (D)	7.07 (D)	21.40 (D)	0.18 (D)	7.44 (D)	6.05 (D)
229	15-11-2024 00:00	0.31	6.55	20.06	0.29	7.51	5.87
230	16-11-2024 00:00	0.32	7.15	22.12	0.26	7.44	6.58
231	17-11-2024 00:00	0.31	6.23	19.56	0.44	7.47	5.44
232	18-11-2024 00:00	0.33	6.23	19.56	0.32	7.51	5.41
233	19-11-2024 00:00	0.31	6.23	19.55	0.28	7.49	5.38
234	20-11-2024 00:00	0.35	6.26	19.60	0.21	7.48	5.38
235	21-11-2024 00:00	0.34	6.30	19.67	0.30	7.51	5.39
236	22-11-2024 00:00	0.35	6.32	19.69	0.22	7.50	5.36
237	23-11-2024 00:00	0.35	6.34	19.73	0.20	7.50	5.43
238	24-11-2024 00:00	0.33	6.38	19.80	0.23	7.53	5.49
239	25-11-2024 00:00	0.32	6.40	19.83	0.23	7.54	5.42
240	26-11-2024 00:00	0.34	6.43	19.88	0.26	7.46	5.43
241	27-11-2024 00:00	0.33	6.49	19.98	0.23	7.50	5.45
242	28-11-2024 00:00	0.35	6.51	20.02	0.23	7.52	5.41
243	29-11-2024 00:00	0.35	6.54	20.06	0.27	7.50	5.39
244	30-11-2024 00:00	0.36	7.14	22.09	0.23	7.45	6.47
245	01-12-2024 00:00	0.36	6.61	20.14	0.24	7.51	5.42

* - Alert | D - No Discharge

Salori STP (Z1-S48) District- Prayagraj, Zone-Prayagraj 14 MLD
Category : STP
Plant Capacity : 14 MLD

Data Report

Duration:01-04-2024 00:00:00 To 12-12-2024 23:59:00

Interval Time : 1 Day

Station Name		Analyser Data					
No	Date Time	AN (mg/l)	BOD (mg/l)	COD (mg/l)	NN (mg/l)	PH (pH)	TSS (mg/l)
246	02-12-2024 00:00	0.35	6.64	20.18	0.25	7.48	5.39
247	03-12-2024 00:00	0.37	6.70	20.27	0.26	7.54	5.58
248	04-12-2024 00:00	0.37	6.74	20.31	0.26	7.49	5.47
249	05-12-2024 00:00	0.37	6.78	20.38	0.26	7.51	5.44
250	06-12-2024 00:00	0.37	6.86	20.47	0.25	7.56	5.50
251	07-12-2024 00:00	0.37	6.98	20.65	0.26	7.55	5.46
252	08-12-2024 00:00	0.37	7.02	20.82	0.30	7.59	5.47
253	09-12-2024 00:00	0.42	7.16	22.19	0.31	7.54	6.02
254	10-12-2024 00:00	0.44	7.06	21.27	0.31	7.56	5.73
255	11-12-2024 00:00	0.42	7.07	21.44	0.30	7.55	5.56
256	12-12-2024 00:00	0.46	7.08	21.51	0.30	7.55	5.54
-	Minimum	0.03	3.06	16.32	0.18	7.03	1.91
-	Maximum	2.03	10.78	87.78	3.56	7.59	8.31
-	Average	0.83	6.14	20.48	0.99	7.28	5.26
-	Alarm Count	0	0	0	5	0	0

* - Alert | D - No Discharge

No. Pr - 12012/4/2024 - O/o Project Development (UP) NMCG

भारत सरकार, जल शक्ति मंत्रालय

जल संसाधन, नदी विकास एवं गंगा संरक्षण विभाग

राष्ट्रीय स्वच्छ गंगा मिशन

प्रथम तल, मेजर ध्यानचंद नेशनल स्टेडियम,

इंडिया गेट, नई दिल्ली

दिनांक: 24th July 2024

सेवा में,

The Principal Secretary (UDD) & Project Director (UP-SMCG),
Plot No. 18, Sector 7, Gomti Nagar Extension,
Lucknow, UP – 226002

Sub: Administrative Approval and Expenditure Sanction for "Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj, Uttar Pradesh" under Namami Gange Program, with 100% central sector support at an estimated cost of ₹55.57 Crore (Rupees Fifty Five Crore and Fifty Seven Lakh only) including GST.

महोदय,

I am directed to convey the grant of Administrative Approval and Expenditure Sanction (AA&ES) for the project "Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh" under National Ganga Plan (NGP) – Non EAP budget head of Namami Gange Mission – II, with 100% central sector support at an estimated cost of **₹55.57 Crore (Rupees Fifty Five Crore and Fifty Seven Lakh only) including GST** with the following major component:

i. Interception of 22 drains and treatment of 70 MLD waste water from these drains in 6 packages and pumping of about 3 MLD waste water from 2 drains into nearby STP/ SPS/ Wet Well

2. The summary of cost is given at **Annexure-I.**

3. Administrative Approval and Expenditure Sanction for the project is granted subject to General & Technical conditions as per **Annexure-II,** Specific conditions and directions of EC as per **Annexure-III** and Financial conditions as per **Annexure IV**.

4. The deployment period will be 6 months from the date of issue of LOA or up to 30th June 2025, whichever is earlier, with proportionate financial implications.

5. EA may obtain necessary permissions / clearances, wherever required, for the project before awarding the contract.

6. Any procurement of goods, works, services and consultancy if required by the EA as part of implementing the project proposal shall be made strictly as per the applicable prevailing procurement guidelines.

7. Any cost escalation over and above the sanctioned cost due to delay in land acquisition, change in scope post approval of AA&ES etc., need to be borne by Government of Uttar Pradesh.

8. The sanctioned cost of the project will be borne from the 'National Ganga Plan – Non EAP' budget head. The NMCG/Government of India reserves the right to withdraw the sanction at any stage, if it is convinced that the fund has not been properly utilized or appropriate progress is not being made.

9. In case of violation of any of the conditions of the grant or in case of closure or dissolution of the grantee organization, the Government shall take possession of all the assets of the organization acquired out of the Government grants and use them in any manner deemed appropriate or to recover from the organization the value of such assets at its discretion.

10. This AA&ES is issued based on the appraisal and sanction of the Executive Committee vide its 55th meeting held on 5th July 2024 as well as the approval of Director General – National Mission for Clean Ganga vide eoffice Note#39 dated 24.07.2024 and concurrence of ED (Finance), NMCG vide eoffice Note#35 dated 24.07.2024.

(बिनोद कुमार)
निदेशक (परियोजनाएँ), एनएमसीजी

जानकारी एवं आवश्यक कार्यवाही हेतु प्रतिलिपि:

1) The Chief Secretary, Government of Uttar Pradesh, Lucknow-226001.
2) The Divisional Commissioner, Prayagraj Division, Prayagraj, Uttar Pradesh.
3) The District Magistrate, Prayagraj, Uttar Pradesh.
4) The Municipal Commissioner, Prayagraj Nagar Nigam, 1, Sarojini Naidu Marg, Allahabad, Uttar Pradesh – 211001.

जानकारी हेतु प्रतिलिपि:

1) PS to Hon'ble Minister (MoJS), Shram Shakti Bhawan, New Delhi
2) PPS to Secretary, MoJS, DoWR, RD & GR, Shram Shakti Bhawan, New Delhi
3) PS to DG/ DDG/ Executive Director (Projects) / Executive Director (Finance) / Executive Director (Technical) / Executive Director (Admin), NMCG, New Delhi.
4) Dr. Kapil Kumar, Assistant Professor, Dept. of Civil Engineering, NIT Delhi.
5) NMCG Officials/ Sanction Folder/ Guard File/ Computer Cell, MIS/ NMCG.

(बिनोद कुमार)

Annexure - I

Summary of project cost for the project "Remediation of 22 untapped drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh"

(Amount in ₹ Crore)

Item	Recommended Proposal Cost for 180 days
Flow - 70 MLD	
Unit Cost of Treatment (Rs. Per MLD) - Rs. 35000	
Bare Treatment Cost	44.10
GST	7.94
DPR Preparation & Supervision Charges (@8% GOI Share)	3.53
Project Cost (GOI Share)	55.57

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Annexure - II

General & Technical conditions for the project on 'Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh'

1. The Uttar Pradesh State Mission for Clean Ganga (UPSMCG), which is a registered society, shall be responsible for overall planning, management and effective implementation of the project at state level.
2. Prayagraj Nagar Nigam or any other State Executing Agency, decided by Government of Uttar Pradesh, shall be the executing agency (EA) for the project, to be implemented under the guidance of Mela Authority Prayagraj and UPSMCG, as per provisions laid down in the NGRBA programme framework.
3. This is special financial assistance to the State for Mahakumbh 2025 at Prayagraj under Namami Gange Programme.
4. State Government need to regularly monitor the river (Ganga/ Yamuna) water quality through UPPCB during Mahakumbh 2025 at upstream, downstream and other suitable/ critical locations.
5. EA/ State Government need to ensure possession of suitable land parcels expeditiously for grounding the works in time.
6. EA shall ensure that the proposed remediation systems are commissioned at the earliest latest by 31.12.2024.
7. Proper investigation should be carried out before execution of work to achieve economy in the proposal as well as to avoid any shortfall in the design.
8. Towards implementation of the project, synergy shall be ensured with other Central/ State sponsored programme like AMRUT etc. and shall be aligned with the city sanitation plan.
9. All infrastructure projects need to conduct project specific IEC activities and detailed plan for such activities to be submitted to NMCG. The hiring of suitable agency need to be completed prior to start of work.
10. "Namami Gange" signage to be placed at all the project sites approved under Namami Gange programme.
11. Adequate provision shall be kept in the bid document to invite bid with GST inclusive cost.
12. SMCG need to take steps to prepare bid documents in line with the Model Bid Document (MBD) for projects funded under National Ganga Plan.
13. The activities proposed under the project shall conform to all Environmental Legislations and the NGRBA programme framework.
14. No untreated municipal/domestic wastewater should be allowed to fall in the river Ganga from the town during Mahakumbh Mela 2025 and project development period.
15. Standard procedure as indicated in the CPHEEO manual on Sewerage & Sewage Treatment, NGRBA Guidelines and codes of practice of BIS will be strictly followed during project implementation.
16. Progress of implementation of the project shall be closely monitored by the State Government of UP /SMCG, so as to ensure that the project is completed within the stipulated period of time. In addition, the progress (Physical & Financial, including funds utilization certificates) needs to be reported to NMCG on regular basis and as and when requested.
17. The actual project cost shall be the awarded cost. State government need to seek NOC from NMCG for the Technical & Financial bid evaluation.

18. It is the responsibility of the SMCG and Executing Agency to ensure adequate training to all personnel engaged during construction for quality of construction works.
19. SMCG and EA shall ensure regular monitoring of the project in accordance with the NGRBA framework.
20. Guidelines issued by Ministry of Finance, Ministry of Home Affairs and other governing organizations regarding disaster management as applicable be adhered to during project execution.
21. SMCG shall ensure appointment of agency for third party inspection (TPI)/ evaluation of the project.
22. All components of the project shall be completed within specified time limits and the resources and outputs and outcomes are to be ensured as envisaged in the approved project Completion Report shall be submitted to NMCG on completion of the project.
23. Any additional component relevant for project or any component requiring modification or deletion, may be added or modified or deleted as the case may be, only with the prior approval of the Competent Authority.
24. Staffs that may be employed for preparation, execution or operation of the project by the EA are not to be treated as employees of the SMCG/ NMCG. The deployment of such staff at the time of completion or termination of the project will not be the concern or liability of the SMCG/ NMCG.
25. Optimal utilization of the assets relating to the project and created under Ganga Action Plan or any other Central /State Plan shall also be ensured by the SMCG/EA/ULB.
26. All data, records, documents and material related to the project shall be stored properly and catalogued by the SMCG/ EA for reference and retrieval including regular uploading /disclosure/updating of such data on website.
27. The State/ SMCG/ EA shall ensure that all provisions of the RTI Act 2005 are adhered to as far as information pertaining to the project is concerned.
28. The State/ SMCG/ ULB shall ensure that public is informed in Prayagraj regarding implementation of the project and soliciting their cooperation and views as applicable.
29. For the provisions made under IEC activities, the SMCG shall make suitable arrangements with Prayagraj Nagar Nigam for executing the 'Communication and Public Outreach' programmed under its supervision towards sensitization of people for abatement of pollution.
30. NMCG shall not be responsible for any damage due to natural calamities or any other reasons. State Government is advised to insure the assets at their own cost after suitable risk assessment.
31. All the specific conditions and generic conditions mentioned in the AA&ES are to be complied by the SMCG through their Executing Agency. The SMCG will ensure fulfillment of such conditions before finalizing the bid(s) by the EA.
32. The Monthly Physical Progress Reports (MPPRs) shall be submitted by the 10th day of every month regularly by the EA to the SMCG and by the 20th day of every month regularly by the SMCG to the NMCG. The Quarterly Physical Progress Report (QPPRs) shall be submitted to the SMCG Bihar and NMCG within 30 days from the end of each quarter.
33. The signing officers will indicate her/his name and designation in full in capital letters and commencement of processing the case, ink-signed MPPR must follow by Post.

34. EA shall ensure close daily monitoring of the flow and KPIs to ensure compliance and transparent payment mechanism. UPSMCG and DGC shall monitor the project from time to time and also monitor implementation performance of the EA.

35. The SMCG shall ensure appointment of agency (ies) for third party inspection (TPI). The EA through the SMCG shall submit copies of the TPI Reports along with their responses/comments to the NMCG. Releases of fund will be subject to compliance of TPI reports.

36. Conditions/ commitments indicated in the Executive Committee (EC) memo/ minutes and other related documents shall be strictly adhered to in the project implementation and management. Copy of EC memo, minutes and other documents are already circulated. The SMCG will ensure fulfilment of such conditions before finalizing the bid(s) by the EA.

37. The NMCG may depute any person to visit the SMCG/ EA for the purpose of monitoring its work and accounts of the SMCG. Full cooperation shall be provided by the executing agency to the persons deputed for inspection.

38. Director General, NMCG may monitor overall progress of project periodically from time to time.

Annexure - III

Specific conditions and directions of EC on Administrative Approval and Expenditure Sanction for the project on 'Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh'

i. The tendering and overall implementation management of the proposal shall be done by the Prayagraj Nagar Nigam or any other State Executing Agency, as decided by the State Government.
ii. The project need to be tendered on "Open/ Neutral technology" with treated effluent KPIs under the project as, pH – 6.5 to 8.5; BOD - ≤ 30 mg/l; COD - ≤ 100 mg/l; TSS - ≤ 50 mg/l; FC - ≤230 MPN/ 100 ml and DO - ≤ 5 mg/l.
iii. The deployment period will be 6 months from the date of issue of LOA or up to 30th June 2025 with proportionate financial implications.
iv. The project should be implemented with proper coffering and suitable site management so as to generate public confidence about the project.

Annexure – IV

Financial Aspects:

The release of funds is subject to the following terms and conditions: -

1 **Flow of Funds:**

i. Assignment limits to SMCG – UP are allocated by the National Mission for Clean Ganga from time to time as per Treasury Single Account (TSA) system, based on projected fund requirements. Funds for the present project will be made available by SMCG – UP from the overall assignment limit. The objective of the TSA is to ensure "just in time release" and eliminate/ reduce parking of funds at all levels of project implementation.

ii. The TSA guidelines prohibit transfer of funds by Autonomous bodies (ABs)/ Sub-ABs to their own Bank Accounts as this is akin to acting like one's own vendor. SPMGs will, therefore, ensure that no assignments limit is transferred to their Bank Accounts, and all payments from Assignment Limits are made directly to executing agencies/ vendors/ contractors.

iii. SMCGs will ensure that no parking of fund happens while transferring fund from SMCG to the executing agency and from executing agency to contractors/ vendors. Such transfer must be effected "just in time", and should be as reimbursement of bills raised/ submitted.

iv. Since the fund flow is based on "just in time release", there should not be any accrual of interest on grants-in-aid received from NMCG. However, any interest earned on the grant received from NMCG/ GoI should mandatorily be remitted back to NMCG immediately after finalization of accounts for depositing the same to the Consolidated Fund of India.

v. The assignment limit allocated to SMCG – UP will lapse at the end of financial year.

vi. Allocation of assignment limit to SMCG is not counted as expenditure under TSA. Only final payment to executing agency/ contractor/ vendor is counted as expenditure. Hence, all bills raised by the EA should be settled immediately.

2 **Audit:**

i. The Comptroller & Auditor General of India at his discretion shall have the right of access to the project related books of accounts of the SMCG – UP/ Executing agency for the purpose of Audit.

ii. The books of accounts of the grantee, relating to this grant, shall be open to audit by the Internal Auditor and External Auditor of National Mission for Clean Ganga.

iii. SMCG to ensure that all financial documents related to the project are maintained by the EA for submission to NMCG/ Audit on demand.

3 **Submission of Utilization Certificate (UC) by the SPMG:**

i. The quarterly Utilization Certificates (UCs) in respect of grant-in-aid received during various quarters shall be furnished by the SMCG to the NMCG in prescribed format (GFR 12-A), duly signed and stamped by the Head of the Organization and Chief Finance Officer, within 30 days from the end of quarter.

ii. The subsequent allocation of Assignment limit will be made based on Utilization Certificate/ Expenditure Statement of the previously allocated assignment limit.

iii. The UCs, in addition to the financial progress, should also indicate physical progress/ outcomes achieved, in the format circulated vide DO No. FN-18011/1/2022/ ED (F)/ NMCG dated 10.10.2022 from Executive Director (Finance), NMCG.

4 Other Aspects:

i. A monthly 'Accounting and Financial Report (AFR)', to be developed by the EA in consultation with SPMG. EA will furnish the AFR to SMCG by the 10th day of every month as per the 'Financial Management Manual (FMM)' of the NGRBA framework. As part of the AFR, the EA shall submit the following documents:
   a. Invoices of the suppliers/ contractors against which online payment instructions issued by the EA in the previous month.
   b. A list of invoices received and not paid during the previous month.
   c. A list of contracts signed during the previous month.

ii. An Annual Plan shall be prepared by the month of November every year for the next financial year as per the provisions made in the NGRBA programme framework and submitted by the SMCG to the NMCG for necessary approval and budget allocations.

iii. The SMCG/ULB shall take all necessary legal and executive measures to ensure adequate resources available for operation & maintenance of the assets created under the Project to fulfill its mandate.

iv. The SMCG/EA are not permitted to seek or utilize funds for the same purpose from any other organization (Government, semi-Government, autonomous or private) without prior approval of the Competent Authority.

v. The sanctioned amount should be spent exclusively as per the scope of the project and within the stipulated time. The liability of NMCG will not exceed the amount sanctioned for the project. For carrying forward any work(s) /activities beyond the specified time limit prior approval of the NMCG should be obtained.

vi. It is the responsibility of the SMCG/EA/ULB to ensure that the assets are exclusively used for the purpose for which grant is sanctioned and to maintain the assets and their records properly.

vii. All the assets acquired/created out of the grants shall not be disposed of, encumbered, or utilized for any purpose other than that for which sanctioned without prior approval of the Government.

viii. O&M costs will be considered for release only after the project construction is complete and a realistic plan for use of O&M cost based upon actual sewerage load to be submitted.

ix. Any payments made on account of project preparation by NMCG relating to this project shall be adjusted accordingly from the project preparation head.

5 General Financial Rules, 2017:

All relevant provisions of General Financial Rules, 2017, as amended from time to time, will be applicable to grantee organization.

Mi/24/2020-HR NMCG
Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development & Ganga Rejuvenation
National Mission for Clean Ganga
*****

1st Floor,
Major Dhyan Chand National Stadium
New Delhi-110001
Dated: 16th July 2024

Sub: **Minutes of 55th meeting of the Executive Committee (EC) of National Mission for Clean Ganga**

Please find enclosed minutes of the 55th meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 05th July 2024 at 02:00 PM through hybrid mode for kind information and necessary action.

16/7/2024
(Kanchan Bala Hamza)
Deputy Secretary (Admin)

To

1. Joint Secretary (PFC-I/PF-States), Department of Expenditure, Ministry of Finance, North Block, New Delhi-110001
2. JS & FA, DoWR, RD & GR, MoJS, Shram Shakti Bhawan, New Delhi-110001
3. The Adviser (WR&LR), NITI Aayog, Yojana Bhawan, Sansad Marg, New Delhi - 110001
4. The Secretary, Department of Drinking Water & Sanitation, Uttarakhand, 43/6 Mata Mandir Road, Dharmapur, Dehradun, Uttarkhand-248001.
5. The Principal Secretary (UD), Urban Development Department (UDD), 834, Bapu Bhawan, Lucknow- 226001.
6. The Principal Secretary (UD & Housing), Urban Development and Housing Department (UDHD), Vikas Bhawan, Bailey Road, Patna, Bihar-800015.
7. The Principal Secretary (UD), Urban Development Department (UDD), 4th Floor, Project Building, Dhurwa, Ranchi- 834004.
8. The Principal Secretary (UD), Department of Municipal Affairs (DMA), Nagarayan, Sector-I, Block-DF-8, Bidhan Nagar, Kolkata-700064.
9. DDG, NMCG and All Executive Directors of NMCG

Copy to: -

1. PS to Hon'ble Minister of Jal Shakti
2. PPS to Secretary (DoWR, RD & GR)
3. Project Director, SPMG Group, 105 (New No.545/941), Rajpur Road, Opp. RTO office, Dehradun 248001
4. Project Director, SPMG, Plot No. 18, Sector-7, Gomti Nagar, Lucknow-226010.
5. Project Director, SPMG Group (Secretary Urban Development), Government of Bihar, Vikash Bhawan, Bailey Road, Patna, Bihar – 800001.
6. Project Director, SPMG Group Urban Development & Housing Department, Room no. 403, 4th Floor, Project Bhawan, Dhurwa, Ranchi, Jharkhand-834004.
7. Project Director, SPMG Group Unnayan Bhawan', 3rd Floor, DJ-11, Sector-II, Block-A, KMDA, Kolkata- 700091.
8. PPS to DG, NMCG- for his kind information

Minutes of the 55th meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 5th July 2024 at NMCG office, Delhi through hybrid mode

The 55th meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) was held on 5th July 2024 at 02:00 PM at NMCG office, Delhi through hybrid mode under the Chairmanship of Director General (DG), NMCG.

Executive Director (Admin.), NMCG welcomed the Director General, NMCG, members of the Executive Committee and other officials present in the meeting.

DG, NMCG mentioned that we are entering the 2nd half of the 2nd Phase of Namami Gange Programme, the expectations of people at large are very high. We need to show significant progress in the implementation of the program after 10 years. He added that an agenda item on compliance or Action Taken Report on the decisions taken in the previous meeting of Executive Committee should be circulated among the members.

Thereafter, the agenda items were taken up for discussion.

Agenda Item No. 55.1: Interception and Diversion of 8 untapped drains of Kanpur city, Uttar Pradesh:

i. DPR Appraised by: IIT – Roorkee;
ii. Project Cost: ₹ 120.18 crores including O&M for 1 year and GST (Land & power connections to be provided by State);
iii. Land: Land for SPSs / LS has been proposed to be provided by Cantonment Board for which NOC has been provided;
iv. Financial Effect: 100% Central Sector;
v. Project components:
   a. Intercept 8 drains namely (i) Rameshwar Ghat drain, (ii) Rani Ghat drain, (iii) Gola Ghat drain, (iv) Satti Chaura Ghat drain, (v) Maiskar Ghat drain, (vi) Dabka drain, (vii) Halwakhanda drain, (viii) Ganda Nala,
   b. Improvement / rehabilitation of existing I&D of 2 drains namely (i) Sheetla Bazar drain and (ii) Budhiya Ghat drain;
   c. Diversion of 8 drains to proposed SPS / common manholes – 1300 m (trenchless – 810 m; open excavation – 490 m)
   d. Diversion of 15 MLD sewage through 800 mm dia MS pipe (Trenchless) from Dist. I (2200 mm brick barrel gumti no.5) to Dist. II (1200/1400 mm RCC line at Zarib Chaowki) – 890 m;
   e. Development of 4 sewage pumping stations (6.09 MLD, 2.13 MLD, 2.93 MLD & 49.50 MLD capacity) and a Lift Station (2.46 MLD capacity) and
   f. Laying of rising mains from SPS / LS to manholes of existing SPSs / STPs - 8053 m (trenchless – 3210 m; open excavation – 4843 m)
   g. O&M for 1 year
   h. *State has indicated 3 additional drains (having cumulative flow ~ 8 MLD) have been identified recently and not included in the DPR.*

vi. Time: 15 Months (including bidding and trial run);
vii. Bidding Process: DBOT Mode.

During discussions, DG, NMCG sought to know whether all the drains have been mapped and a plan made to tap these and treat in STPs. The State officials present in the meeting informed that no comprehensive mapping of all the drains have been done in Kanpur. The Executive Committee asked the State officials present to undertake a drone survey of all the drains and submit a comprehensive proposal on treatment of these drains.

Decision:

After detailed discussions, the Executive Committee (EC) decided to defer the project as the proposal appeared to be incomplete and without full financial implication with a direction to the State Mission for Clean Ganga, Uttar Pradesh (SMCG) and State officials present in the meeting to undertake a drone survey to identify all the untapped drains (apart from 8 identified drains in the current proposal) in Kanpur along with flow estimation and submit a comprehensive proposal. The State would need to submit an undertaking that there will be no untapped drains left in Kanpur after the completion of the comprehensive proposal.

Agenda Item No. 55.2: **Interception and Diversion (I&D) and STP Works at Deoband Town, Uttar Pradesh**

i. DPR appraised by IIT Roorkee
ii. Pollution Abatement of River Kali West
iii. Financial Effect: Central Share as 100% of project cost
iv. Design Build Operate Transfer (DBOT) basis
v. Completion period – 24 Months
vi. **Major components:** -
   a. I&D structures – 03 nos.
   b. I&D network laying- 4.25 Km
   c. Rising main- 50m
   d. MPS- 01 no.
   e. Construction of new STP- 20 MLD capacity near Kuti drain
   f. Septage Co-treatment facility of 10 KLD capacity
   g. Operation & Maintenance for 15 years.

Decision:

After detailed discussions, the Executive Committee (EC) decided to approve the proposal for issuance of administrative approval and expenditure sanction (AA&ES) towards 'Interception & Diversion of Drains and Sewage Treatment Works (20 MLD STP) at Deoband, Uttar Pradesh' under Namami Gange Program at an estimated amount of Rs 134.71 Crores (including cost of O & M for 15 years) in DBOT mode with following conditions:

1. *As the Govt. land is not available for the project, the State would acquire private land for the project within 04 months from the date of issue of AA & ES failing which the AA&ES of the project would be cancelled;*

2. *It was also decided that the observations of NMCG, TPA would be complied with by the State Government/ Executing Agency at the time of finalization of bid document/ at the time of execution and during O&M;*
3. *The project has been considered to be funded under National Ganga Plan (NGP)-Component Non-EAP Component of Namami Gange Program;*
4. *The State Government would ensure the availability of land in its possession before awarding the works;*
5. *NMCG logo and name to be displayed at strategic locations;*
6. *Executing Agency shall obtain NMCG approval before making any changes in the sanctioned scope. Executing agency/SMCG must complete the work within stipulated time. EC also directed Executing agency/SMCG that the tender works must be awarded within three months from the date of issue of AA&ES;*
7. *SMCG confirmed that after implementation of this project, no untreated drains will fall into the river Ganga from the considered zone in Deoband etc.;*
8. *In addition, EC decided that installation of trash arresting rack and its regular O&M at the mouth of all drains and adequate provision for handling septage in the STP facility may also be made part of project proposal for implementation;*
9. *This pollution abatement proposal has been approved for adoption of stringent effluent parameters like BOD and TSS below 5 ppm;*
10. *EC desired that State Government should pari-pasu implement the project for reuse of treated wastewater for agriculture & industrial purpose. For this purpose, State government would adopt a policy document and endeavor & implement scheme for reuse treated wastewater accordingly;*
11. *Any cost escalation over and above the sanctioned cost attributable to State Government, including due to delay in land acquisition, change in scope post- approval etc., will be borne solely by State Government concerned;*
12. *While the costs include estimated O&M costs for 15 years, the O&M arrangements will be reviewed after 7 years based on the measures of compliance by State government/UD&HD of various general & specific conditions stipulated in AA&ES including insurance of assets created, levy of user charges etc.*

Agenda Item No. 55.3: Interception and Diversion (I&D) and STP Works for Katwa Town, West Bengal

i. DPR appraised by IIT Roorkee
ii. Pollution Abatement of River Ganga
iii. Financial Effect: Central Share as 100% of project cost
iv. Design Build Operate Transfer (DBOT) basis
v. Completion period – 24 Months
vi. **Major components: -**
   a. Total I & D structures = 14
   b. Diversion sewer line = 120 m
   c. Gravity main with 148 Manholes = 3675m

d. HDD work = 900m
e. Lift stations = 3 Nos.
f. MPS = 1 no.
g. Rising main= 1965 m
h. Drain work beside STP area to MPS = 500 mtr
i. STP – 14 MLD with co-treatment of 10.5 KLD septage plant with sludge storage.
j. Solar PV system capacity of 100 KWP
k. Effluent Pipe line = 500mtr
l. OCEMS & CCTV camera for monitoring the STP
m. Operation & Maintenance – 15 Years

Decision:

After detailed discussions, the Executive Committee (EC) decided to approve the proposal for issuance of administrative approval and expenditure sanction (AA&ES) towards 'Interception & Diversion of Drains and Sewage Treatment Works (14 MLD STP with co-treatment 10.5 KLD) at Katwa, West Bengal' under Namami Gange Program at an estimated amount of Rs 133.46 Crores (including cost of O & M for 15 years) in DBOT mode with following conditions:

1. *It was decided that the observations of NMCG, TPA would be complied with by the State Government/ Executing Agency at the time of finalization of bid document/ at the time of execution and during O&M;*
2. *The project has been considered to be funded under National Ganga Plan (NGP)-Component Non-EAP Component of Namami Gange Program;*
3. *The State Government would ensure the availability of land in its possession before awarding the works;*
4. *NMCG logo and name to be displayed at strategic locations;*
5. *Executing Agency shall obtain NMCG approval before making any changes in the sanctioned scope. Executing agency/SPMG must complete the work within stipulated time;*
6. *EC also directed the Executing agency/SPMG that the tender works must be awarded within three months from the date of issue of AA&ES. SPMG confirmed that after implementing of this project, no untreated drains will fall into the river Ganga from the considered zone in Katwa etc;*
7. *In addition, EC decided that installation of trash arresting rack and its regular O&M at the mouth of all drains and adequate provision for handling septage in the STP facility may also be made part of project proposal for implementation*
8. *EC desired that State Government should pari-pasu implement the project for reuse of treated wastewater for agriculture & industrial purpose. For this purpose, State government would adopt a policy document and endeavor & implement scheme for reuse treated wastewater accordingly;*
9. *Any cost escalation over and above the sanctioned cost attributable to State Government, including due to delay in land acquisition, change in scope post-approval etc., will be borne solely by the State Government concerned;*
10. *While the costs include estimated O&M costs for 15 years, the O&M arrangements will be reviewed after 7 years based on the measures of compliance by state government/UD&HD*

of various general & specific conditions stipulated in AA&ES including insurance of assets created, levy of user charges etc.

Agenda Item No. 55.4: Interception and Diversion with STP (Pollution Abatement Sewerage Project) at Murshidabad Municipal Town in West Bengal

i. DPR appraised by Jamia Milia Islamia University (TPA institute)
ii. Pollution Abatement of River Ganga in West Bengal
iii. Financial Effect: Central Share as 100% of project cost
iv. Design Build Operate Transfer (DBOT) basis
v. Completion period – 24 Months
   a. STP – 5 MLD
   b. LS- 2 Nos.
   c. MPS – 1 no.
   d. Upgradation of existing WSP STP 1.97 MLD to 2 MLD facultative lagoon
   e. Total I & D structures = 12
   f. Diversion of pipelines from I&D structure to gravity network manholes=120 m
   g. Gravity main pipelines = 3000 m
   h. Length of the rising main = 4250 m
   i. OCEMS & CCTV camara for monitoring the STP
   j. O&M for 15 years

The proposal of Murshidabad I&D and STP works was placed before the 55th EC for consideration. SPMG submitted the revised DPR to TPA based on TPA's comments, amounting to Rs. 108.33 crores. TPA appraised the DPR and recommended a cost of Rs. 72.63 crores.

Decision:

After detailed discussions, the Executive Committee (EC) decided to approve the proposal for issuance of administrative approval and expenditure sanction (AA&ES) towards 'Interception & Diversion of Drains, Sewage Treatment Works (5 MLD STP) & rehabilitation of existing 1.97 MLD to 2 MLD STP at Murshidabad, West Bengal' under Namami Gange Program for an estimated amount of Rs 72.63 Crores (including cost of O & M for 15 years) in DBOT mode with following conditions:

1. *The tender shall be called for scope mentioned in the EC proposal after approval of NMCG and final cost of the project shall be considered as awarded cost of the project;*
2. *It was also decided that the observations of NMCG, TPA would be complied with by the State Government/ Executing Agency at the time of finalization of bid document/ at the time of execution and during O&M;*
3. *The project has been considered to be funded under National Ganga Plan (NGP)-Component Non-EAP Component of Namami Gange Program;*
4. *The State Government would ensure the availability of land in its possession before awarding the works;*
5. *NMCG logo and name to be displayed at strategic locations;*

6. *Executing Agency shall obtain NMCG approval before making any changes in the sanctioned scope. Executing agency/SPMG must complete the work within stipulated time;*
7. *EC also directed the Executing agency/SPMG that the tender works must be awarded within three months from the date of issue of AA&ES. SPMG confirmed that after implementing of this project, no untreated drains will fall into the river Ganga from the considered zone in Murshidabad etc;*
8. *In addition, EC decided that installation of trash arresting rack and its regular O&M at the mouth of all drains and adequate provision for handling septage in the STP facility may also be made part of project proposal for implementation*
9. *EC desired that State Government should pari-pasu implement the project for reuse of treated wastewater for agriculture & industrial purpose. For this purpose, State government should adopt a policy document and endeavor & implement scheme for reuse treated wastewater accordingly;*
10. *Any cost escalation over and above the sanctioned cost attributable to State Government, including due to delay in land acquisition, change in scope post approval etc., will be borne solely by State Government concerned;*
11. *While the costs include estimated O&M costs for 15 years, the O&M arrangements will be reviewed after 7 years based on the measures of compliance by state government/UD&HD of various general & specific conditions stipulated in AA&ES including insurance of assets created, levy of user charges etc.*

Agenda Item No. 55.5: Revised cost estimate and financial Implications for the "Tughlakabad Drain project using bio-remediation" due to GST and increased flow related issues-reg.

Executive Director (Admin), NMCG gave a detailed presentation on 'Tughlakabad Drain Project using Bio-remediation', which was sanctioned through AA&ES on 24th September 2020 at an estimated cost of Rs. 4.31 Crore (Four crore Thirty-One Lakhs). The project was awarded to M/s AG Bio Water Remediation LLP. Jamia Millia Islamia was appointed by NMCG as Third Party Agency (TPA) for appraising the performance of the project. After 1 month of free successful demonstration/trial period and establishing the efficacy of the innovative technology, a work order was issued for carrying out the work for 11 months.

ED (Admin) informed that the AA&ES issued for the project was silent on whether the treatment cost of Rs. 3277.03/MLD is inclusive or exclusive of GST. The AA&ES also mentions that payment shall be based on *pro-rata* basis against per MLD quantity of flow measured and treated in the drain. In addition, AA&ES also mentions that cost escalation, if any, on any expenditure head shall be borne by the agency.

So far NMCG so far has made a payment of Rs. 2,06,00,753/- (Rs. 1,84,03,800 + Rs. 21,96,953) considering treatment cost inclusive of GST. However, the agency has represented that GST be paid over & above the treatment cost of Rs. 3277.03/MLD and as the flow in the

drain is much higher, the payment should be made for actual flows in the drain and as per the invoiced raised by the agency.

ED (Admin) also mentioned decision taken on a similar Project in 47th meeting of EC decision wherein it was decided that:

a. The pilot/demonstration project of Panipat Drain must not be continued further and closed immediately.
b. The balance dues of the agency may be processed for payment taking into account payment of GST as per applicable rates over & above the treatment cost as well as actual flows in the drain.
c. This approach may also be followed for any other bio-remediation projects with similar issues.

Based on the aforesaid decision, EC was informed that the total project cost goes up from Rs. 4.31 Crore to 4.973 Crore (Rs. 4,97,28,912/-) inclusive of GST and taking actual flow (TPA recommended) of the drain. Further, the total escalation over & above the sanctioned cost of Rs. 4,31,00,000/- is Rs. 66,28,912/-, out of which the GST amount is Rs. 54,42,469/-.

Decision:

After detailed discussions, it was decided that the pilot/demonstration project of the Tughlakabad Drain must not be continued (as recommended by 47th EC decision) and closed immediately. The balance dues of the agency (Rs. 2,91,28,159/- (Rs. 4,97,28,912 - Rs.2,06,00,753) may be processed for payment taking into account payment of GST at the applicable rates over & above the treatment cost based on actual flow in the drain.

Agenda Item No. 55.6: Independent evaluation of the activities carried out by the Ganga Task Force during the Phase-I project under the Namami Gange Program" by IIM Lucknow

Executive Director (Admin), NMCG informed the EC that during the approval of the GTF phase-II project in its 51st meeting, it was decided that an independent assessment of the activities carried out by the Ganga Task Force during the Phase-I project would be undertaken. Accordingly, NMCG requested initially WWF-India to submit the proposal for independent assessment of the activities carried out by Ganga Task Force during the Phase-I project. WWF-India sought one-month time and later backed out. After that NMCG approached IIM Lucknow to submit the proposal for independent assessment of the activities carried out by Ganga Task Force during the Phase-I project.

IIM Lucknow had submitted a proposal for the "Independent evaluation of the activities carried out by Ganga Task Force during the Phase-I project under the Namami Gange Program" at a cost of Rs. 10.03 lakh for a period of 1.5 months. NMCG accepted the proposal of IIM Lucknow considering the components of the project to be evaluated and their technical expertise in the field.

After completion of the evaluation study, IIM Lucknow presented the draft report to NMCG which was reviewed under the chairmanship of DG NMCG and the comments/suggestions on the draft report was suitably incorporated in the final report submitted to NMCG.

The final evaluation report of IIM Lucknow has been shared with GTF for the implementation of recommendations/suggestions in the 2nd phase of the project.

JS & FA suggested that the comments of GTF on the recommendations in the report may be obtained.

Decision:

After detailed discussions, it was decided that comments of GTF on the recommendations contained in the evaluation report would be obtained in 15 days and same would be placed before the next meeting of Executive Committee.

Agenda Item No. 55.7: Raising & deployment of one company under existing 137 CETF BN (TA) for rejuvenation of river Yamuna at Delhi under Namami Gange Mission – II

Senior Army Official from DGTA, Delhi presented the proposal titled "Raising & deployment of one company under existing 137 CETF BN (TA) for rejuvenation of river Yamuna at Delhi under Namami Gange Mission – II". He informed the EC that initially proposal was submitted for 01 BN HQ and 05 Companies (CoY) for Yamuna Task Force(YTF) in a phased manner at a cost of Rs. 367.3 crore for a period of 5 years. In Phase I, 1 BN HQ and 2 CoYs will be raised at a cost of Rs.166.13 crore, and in Phase II 3 CoYs will be raised at a cost of Rs. 201.3 crore.

However, considering the limitation of the current cycle of phase-II of the Namami Gange program up to 31st March 2026, the proposal was modified by NMCG for raising 1 Company (CoY) at a cost of Rs. 21.80 crore, on the same pattern as for one company raised for river Gomti.

The official proposed to raise BN HQ along with 01 CoY for Yamuna Task Force at a cost of Rs. 33.70 crore, instead of raising of one standalone CoY for Yamuna at Delhi.

DG, NMCG mentioned that technically time period left is almost 1 year while considering the time taken for procedural approvals for the raising & establishment of Bn HQ & CoY of Yamuna Task Force.

ED (Admin) suggested that at present, we may consider raising one CoY for Yamuna at Delhi at a cost of Rs. 21.80 crore, which may become operational by 31st March 2026.

DG, NMCG asked whether the standalone CoY raised under GTF could be brought under Yamuna Task Force after raising of BN HQ of the YTF at a later stage. The Army official informed that as a policy of MoD once a CoY is raised, it cannot be shifted from one BN to another BN.

DG NMCG opined that more clarity and wider consultations are needed on whether to go for one standalone CoY or BN HQ with one CoY or two CoYs considering the period of Phase II of Namami Gange program ending in 31st March 2026.

Decision:

After detailed discussions, the Executive Committee decided to defer the proposal to have more clarity and wider consultations on whether to raise one standalone CoY under GTF for Delhi or BN HQ along with one CoY for Delhi. After the consultations, the firmed up proposal would be placed before the Executive Committee.

Agenda Item No. 55.8.1: "Sanitation Infrastructure proposal for Mahakumbh Mela 2025 at Prayagraj"

i. Proposal appraised by: National Institute of Urban Affairs (NIUA);

ii. Project Cost: EC to decide among the below mentioned options;
   a. Option 1 – considers all community toilets (FRP & Steel) with septic tanks, all community urinals and solid waste management. ₹124.91 crores; OR
   b. Option 2 – considers all community toilets (FRP) with septic tanks, all community toilets (Steel) with soak pit, all community urinals and solid waste management. ₹152.37 crores; OR
   c. Option 3 – considers all community toilets (FRP & Steel) with septic tanks, all community toilets (Steel) with soak pit, all community urinals and solid waste management. ₹170.89 crores; OR
   d. Option 4 – considers all community toilets (FRP & Steel) with septic tanks and soak pits and solid waste management. ₹205.93 crores.

iii. Financial Effect: 100% Central Sector;

iv. Project Components: As per EC approved option;
   a. Renting, operating & maintaining portable toilets and urinal
   b. Procurement of waste bins
   c. Procurement of waste bin liner bags

v. Completion / Deployment Period: Installation by 31st December 2024; deployment for 60 Days including Mela period of '13th January 2025 to 26th February 2025'.

vi. Bidding Process:
   a. For toilet hiring:
      1. Discovery of L1 cost for different toilet types based on transparent 2 stage (technical & financial, with minimum eligibility criteria) bidding process.
      2. Drawing a panel of service providers based on discovered L1 prices for different toilet types.
   b. For Bins / Liner Bags: As per State Procurement Guidelines;

The Mela Adhikari, Prayagraj and other State Government Officials present in the meeting mentioned that for the above sanitation proposal, MoHUA has not extended any financial assistance as their scheme is applicable only for the city infrastructure.

Decision:

The EC was informed that traditionally this activity has been supported by NMCG. After detailed discussions, the Executive Committee (EC) decided to approve proposal for issuance of Administrative Approval and Expenditure Sanction (AA&ES) for "Sanitation infrastructure proposal for Mahakumbh 2025 at Prayagraj in Uttar Pradesh" towards part financial assistance, as per option 2, under Namami Gange Program at an estimated cost of ₹152.37 crores. It was also decided that the State Govt. may explore financial assistance from other schemes of Govt. of India.

The project has been considered to be funded under National Ganga Plan (NGP). It was also decided that part funding of the approved proposal may be done from Clean Ganga Fund (CGF).

The scope under option 2 includes

a. *FRP Toilet (With Septic Tank) – 12,000 Nos. @ ₹50,400/- per toilet for 2 months;*
b. *Prefab Steel Toilet (With Soak Pit) – 16,100 Nos. @ ₹28,560/- per toilet for 2 months;*
c. *Community Urinals – 20,000 Nos. @ ₹19,200/- per toilet for 2 months*
d. *Solid Waste Bins (Mela Area) – 20,000 Nos. @ ₹1,300/- per bin; and*
e. *Liner Bags – 37,75,000 Nos. @ ₹13/- per liner bag.*

The State Government may exercise the flexibility in the number and type of toilets / urinals, within the overall approved budget, with prior intimation and approval of NMCG.

Mela Authority / State Government are required to draw a comprehensive plan including contingency plan (in case of extreme events) for septage management to ensure that untreated septage is not discharged into river Ganga / Yamuna in any eventuality.

It was also decided that the observations of NMCG and TPA would be complied with by the State Government/ Executing Agency at the time of finalization of bid document/ at the time of execution.

Agenda Item No. 55.8.2: Proposal on "STEP-SRTW: Sustainable Transition for Prayagraj through Safe Reuse of Treated Water Initiatives" by consortium of IIT Roorkee, IIT-BHU, TERI and Hokkaido University

Project Investigators from IIT Roorkee for the project, made a presentation of the proposal on 'STEP-SRTW: Sustainable Transition for Prayagraj through Safe Reuse of Treated Water Initiatives'. The reuse of treated wastewater to water green covers in urban areas presents numerous benefits. Firstly, it conserves valuable freshwater resources by recycling and reusing treated wastewater for irrigation, reducing the strain on conventional water supplies. This cost-effective alternative minimizes the need for expensive freshwater infrastructure while providing

natural fertilization to plants through the essential nutrients present in wastewater, such as nitrogen and phosphorus. By diverting wastewater from untreated discharge into water bodies, the practice helps prevent water pollution, contributing to a cleaner and healthier environment. Additionally, well-watered green spaces play an important role in mitigating the effect of Urban Heat Island (UHI), promoting a more comfortable and cooler urban environment. In the broader context of ecosystem services, this approach aligns with the principles of sustainable urban development. Conservation of freshwater resources through wastewater recycling contributes to the resilience of the urban water supply, providing essential services that support both environmental health and the well-being of the community.

Decision:

The EC observed that the proposal is not related with the organizing of Maha Kumbh in year 2025. After detailed discussions, the proposal was deferred by the EC as it needs to be reworked after discussions with other stakeholders including National Urban Task Force under NMCG.

Agenda Item No. 55.8.3: Proposal on "IPSA-Kumbh: Mapping Impact of Floating Population on Sewerage during Maha Kumbh 2025" by consortium of IIT Roorkee, IIT-BHU, TERI and Hokkaido University

Project Investigators from IIT Roorkee for the project, made a presentation of the proposal on IPSA-Kumbh: Mapping Impact of Floating Population on Sewerage during Maha Kumbh 2025. As the magnitude of the Maha Kumbh unfolds, so does the strain on existing infrastructure, particularly in sanitation and wastewater management. The needs of the floating population, which is estimated to be millions of people, are met through a combination of existing and temporary infrastructure erected specifically for the event, including tents, toilets, and other facilities. However, this influx of people and the accompanying surge in activities have been accompanied by a marked deterioration in water quality parameters, as documented by previous research and field campaigns conducted by the Central Pollution Control Board. These studies underscore the stress exerted on sewage infrastructure due to the presence of the floating population during the Maha Kumbh. In light of these challenges, there is an urgent imperative to implement sustainable solutions to protect the lifeline of Indian civilization, the Ganga River. Understanding the intricate relationship between water pollution in the Ganga and the Maha Kumbh is paramount, with remote sensing and Geographic Information System (GIS) technologies emerging as promising tools for the effective management of such mega-events. The upcoming 45-day Maha Kumbh in 2025, scheduled from January 14 to February 26, presents a critical juncture to monitor and manage sewage infrastructure to safeguard the sanctity of the river.

Decisions:

After detailed discussions, the Executive Committee (EC) decided to approve the proposal with the following conditions

a. *The estimated cost of Rs. 3,14,01,672/- of the proposal will be revised considering*

1. *depreciated cost of computer, equipment and similar peripherals etc.*
2. *International travel component to be removed.*

b. *There should be another important outcome in form of framework (bilingual) for large gatherings.*
c. *Project time duration to be decreased from 18 months to 12 months.*
d. *The payments would be linked to the achievement of certain deliverables.*

Agenda Item No. 55.9: Development of Maneri bathing and cremation ghat, bank protection work in Distt Uttarkashi at Bhatwadi near Saraswati School, Uttarakhand

i. DPR appraised by IIT-Roorkee;
ii. Total Project Cost- 7.66 crores (7.13 +0.53) crore;
iii. New Ghats construction – 1 no;
iv. New Improved Wood Cremation (IWC) type pyre – 1 no;
v. Jacketing works of pre-constructed protection wall;
vi. Completed in August, 2022;
vii. Financial Effect- 100% central funding through NGP head of NMCG;

The project was approved in 27th EC meeting held on 16th April, 2020 for the amount of Rs. 713.47 lacs. In addition to the above, additional works for complete jacketing of pre-constructed protection wall at the upstream of Maneri bathing and cremation ghat for an amount Rs. 52.60 lacs were again approved by the EC meeting in the 36th EC dated 16st July, 2021, based on the request of SPMG-UK. The break-up of the additional works is given below;

S.No.	Name of Item	Approval of 27th EC, AA&ES dated 6th May, 2020 (Rs. In Lakhs)	Approval of 36th EC on Additional Work Order dated 1st July, 2021(Rs. In Lakhs)	Final Cost of project (Rs. In Lakhs)
1	Preliminary	2.03	-	2.03
2	Work	406.45	44.9	453.84
3	Ghat	200	-	200
4	Maintenance	4.04	0.45	4.54
5	**Total**	**612.52**	**45.35**	**660.41**
6	Contingency @ 3%	18.38	1.36	19.81
7	Quality Control @ 1%	6.13	0.45	6.60
8	GST @12%*	76.44. (Taken on 5+6+7)	5.44 (Taken on 5)	79.25 (Taken on 5)
9	**Total Cost**	**713.47**	**52.60**	**766.07**

The EC was informed that the work has been completed with the sanctioned amounts of Rs 7.66 Cr. and there was no cost escalation.

Decision: The Executive Committee decided that a revised AA&ES for the project for the combined value of Rs 7.66 Crores be issued.

Agenda Item No. 55.10: Proposal on "A Basic Course in Understanding, Documenting & Conservation of Rivers for Civil Society Organizations" by Indian National Trust for Art and Cultural Heritage (INTACH), New Delhi

INTACH made a presentation of the proposal on A Basic Course in Understanding, Documenting & Conservation of Rivers for Civil Society Organizations and explained that official agencies monitor and maintain databases on major rivers mainly. However, several medium and minor rivers as well as thousands of smaller streams are not monitored and data for many of them is non-existent. The health of these unaddressed tributaries cumulatively contributes to the heath of higher order streams. At the same time civil society organizations [CSOs] in several parts of the country are becoming active in raising issues regarding the deterioration of rivers and streams. However, it is observed that activism is confined to protest against mainstream interventions. This is particularly so as the CSOs are not trained in understanding river components and their dynamic interaction. This results in a communication gap between the establishment and CSOs. It is also an opportunity lost whereby the energy of grassroots workers remains unutilized in building up robust databases and the structured conservation interventions not generated. The proposal is to prepare an audio-visual course of 11 modules covering several rivers related aspects and administer the same through online portals such National Urban Learning Platform and others.

DECISION:

After detailed discussions, the proposal was approved by EC at an estimated cost of Rs. 39 lakhs. It was also decided that those who undertake the course may be provided certificates duly signed by both NMCG/MoJS authorities as well as INTACH. Further, training module may also be provided in Bengali language.

Agenda Item No. 55.11: Cost of variation due to STP capacity revision from 1 MLD to 3.5 MLD (Barikala) in Lucknow Phase-I Part-I project

i. As per original proposal 2 nos. STPs having 39 MLD capacity at Daulatganj and 1 MLD STP capacity for Barikala alongwith associated infrastructure works was sanctioned in the 27th EC meeting on 16th April 2020. However, before Commencement of work for Barikala STP, UPJN-R measured the discharge of drain and found that drain has about 1.82 MLD discharge against capacity of 1 MLD. Therefore, it was considered not a wise decision to construct 1 MLD STP capacity for 1.82 MLD discharge.

ii. The executing agency, UPJN (R), submitted a revised proposal and NMCG agreed on the proposal with a communication for in-principle approval on change in scope conveyed on 09.06.2023 for construction of 3.5 MLD STP capacity for Barikala drain subject to

approval of the same in the Executive Committee meeting of the NMCG. The original scope was revised as per the details provided in the following table:

Original Components:	Revised components:
• MPS- 39 MLD (1 No.) • Sewage Treatment Plant (Daulatganj) - 39 MLD (1 No.) • New Sewage Treatment Plant (Bairikala)- 1 MLD (1 No.) • I&D Barikala drain • MPS- 1 MLD (1 no.) • Rehabilitation of existing pumping stations- 3 Nos. • Operation & Maintenance -15 Years	• MPS- 39 MLD (1 No.) • Sewage Treatment Plant (Daulatganj) - 39 MLD (1 No.) • **New Sewage Treatment Plant (Bairikala)- 3.5 MLD (1 No.)** • I&D Barikala drain • **New MPS- 3.5 MLD (1 no.)** • Rehabilitation of existing pumping stations- 3 Nos. • Operation & Maintenance -15 Years

iii. The original

to Rs. 240.93 crores, indicates a cost increase of Rs. 27.02 crores. However, within the revised cost, Rs. 10.22 crores is on account of change in GST from 12% to 18%, and an additional Rs. 2.60 crores have been allocated for electricity charges (to be paid on as per actuals). The capital cost of the project has gone up by Rs 14.20 crores due to increases in capacity of STP from 1 MLD to 3.5 MLD;

iv. **EC Proposal for Revised AA&ES:** EC was requested to consider approval of cost variation of Rs 27.02 Crores including GST impact of Rs 10.22 crores, Additional Power charges of Rs 2.60 Crores (to be paid as per actuals subjected to meeting the guaranteed electricity consumption) and Rs 14.20 crores was due to increases in capacity of STP from 1 MLD to 3.5 MLD;

Discussion:

EC enquired about the reasons for such drastic change in flow of Barikala drain from DPR stage of 0.7-0.8 MLD to 1.8 MLD during construction. SMCG, UP and UPJN informed that the flow was measured in 2017 and project got delayed due to litigation, which has resulted in substantial loss of time between DPR and construction. Further, lot of development has taken place in this upstream side of Gomati river due to Green Highway and Lucknow Ring Road. Also, Lucknow Development Authority (LDA) has brought Vasantkunj Awas Yojna in surrounding area, which has resulted in sudden increase in drain flow. Now the STP capacity is being proposed as 3.5 MLD against discharge of 1.8 MLD, sufficient to take care of future discharges also.

Decision:

EC directed that as the measurement and predictions during DPR stage were not up to mark by SMCG UP and UPJN, hence no additional centage charges (DPR preparation Charges) would be paid to UPJN on this cost increase. EC was apprised that as per NMCG

practices, no additional centages are paid on account of cost variation and revised AA&ES cost, if any.

After detailed discussions, the Executive Committee (EC) decided to approve the proposal for issuance of revised administrative approval and expenditure sanction (AA&ES) towards STP capacity revision from 1 MLD to 3.5 MLD (Barikala) in Lucknow Phase-I Part-I project. The cost of the project has been revised from Rs 213.91 crores to Rs 240.93 crores, thereby, increasing the project cost by Rs. 27.02 crores including increase in rate of GST from 12% to 18%.

Agenda Item No. 55.12: "Remediation of 22 untapped Drains during Mahakumbh 2025 at Prayagraj in Uttar Pradesh"

i. Proposal appraised by: National Institute of Technology, Delhi
ii. Project Cost: ₹ 37.04 crores for 120 days or ₹ 55.57 crores for 180 days or ₹ 65.44 crores for 212 days (till 30/06/2025). The period of deployment to be decided by EC.
iii. Financial Effect: 100% Central Sector.
iv. Project Components: Interception of 22 drains and treatment of 69.52 MLD waste water from these drains in 6 packages and pumping of about 3 MLD waste water from 2 drains into nearby STP/ SPS/ Wet Well.
v. Completion / Deployment Period: 2.5 month latest by 30th November 2024, excluding bidding period; Deployment period as per decision of EC, starting from 1st
vi. Bidding Process: Bidding will be done by State Government on service hiring contract basis and technology option shall remain open for bidders.

After detailed discussions, the Executive Committee (EC) decided to approve the proposal for according Administrative Approval and Expenditure Sanction (AA&ES) for "Remediation of 22 untapped Drains during Maha Kumbh 2025 at Prayagraj in Uttar Pradesh" under Namami Gange Program at an estimated cost of 55.57 crores. The project has been considered to be funded under National Ganga Plan (NGP).

The proposal was approved with following conditions:

a. *The tendering and overall implementation management of the proposal shall be done by the Prayagraj Nagar Nigam or any other state executing agency, as decided by the State Government;*
b. *The project need to be tendered on 'open/neutral technology' with treated effluent KPIs under the project as, pH – 6.5 to 8.5; BOD - ≤ 30 mg/l; COD - ≤ 100 mg/l; TSS - ≤ 50 mg/l; FC – ≤ 230 MPN/100 ml and DO - ≤ 5 mg/l;*
c. *The deployment period will be 6 months from the date of issue of LOA or upto 30th June 2025 with proportionate financial implications.*
d. *The project should be implemented with proper coffering and suitable site management so as to generate public confidence about the project.*

Agenda Item No. 55.13: "Revised Administrative Approval and Expenditure Sanction towards Additional Cost for I&D and STP scheme at Maner, Bihar"

i. The project for I&D and STP scheme of Maner town was sanctioned in 17th EC meeting held on 20th November 2018 and AA&ES was issued on 02.01.2019 at a cost of ₹ 41.36 crores (including awarded cost, centage, ESMAP and communication costs) with 15 years Operation and Maintenance with 100% central funding. The project was awarded to the L-1 bidder M/s. SIMA Labs – M/s. Anand Kumar Contractor (JV) at a cost of ₹ 40.83 crores. All the works in the project have been completed and created assets are under trial run, now;

ii. NMCG received request from SPMG Bihar to bear additional cost to the tune of ₹ 16.22 crores due to:
   a. Change in locations and capacity of IPS 1 (from 3 MLD to 6 MLD): ₹ 2.65 crores;
   b. Change in location and capacity of IPS 2 (from 3 MLD to 6.5 MLD): ₹ 3.46 crores;
   c. Change in civil and E&M works of MPS: ₹ 1.13 crores;
   d. Increase in Rising main length (from 3.05 Km to 4.30 Km) due to change in IPS location & capacity: ₹ 5.04 crores;
   e. Additional gravity sewer line due to change in location of IPS 1: ₹ 3 crores;
   f. I&D component & Box drain due to change in drain size: ₹ 0.94 crores.

iii. The EC has been requested to consider approval of the cost escalation by ₹ 16.22 crores due to the reasons mentioned above. It would be pertinent to mention here that original AA&ES was issued excluding GST, and it was supposed to be paid as per actuals. Now, the project is complete with an actual GST amount of ₹ 10.27 crores. The revised AA&ES cost of the project is ₹ 69.77 crores with 100% central share.

Discussion:

The EC enquired whether prior approval of NMCG was taken for change of scope of works due to change in location of STP and capacity of Pumping Stations etc. The State officials informed that these changes were done by SPMG/Executing Agency level due to Hon'ble NGT directions and no prior approval of NMCG was taken in this case. EC took a serious view of this as the changes has financial implications for NMCG and that as the project has been completed, such approval becomes a *fait-accompli*. It was decided in the meeting that SPMG/EA must avoid any such unilateral changes without seeking prior approval of the NMCG. The issue of prior approval becomes paramount and must be strictly adhered to as the financial liabilities of such changes are borne by NMCG. It was also decided in the meeting that NMCG would issue an advisory to States in this regard to avoid recurrence of such cases in future.

Decision:

After detailed discussions, the Executive Committee (EC) decided to approve the proposal for issuance of revised administrative approval and expenditure sanction (AA&ES) for the project "I&D and STP scheme at Maner, Bihar" under Namami Gange Program at a

revised cost of ₹ 69.77 crores (including cost of O&M for 15 year) with 100% central support. O&M beyond project scope i.e. after 15 years shall be the responsibility of State Government/ ULB at its own cost.

Further, O&M provisions will be reviewed after 7 years on the basis of compliance of various General & Specific conditions of AA&ES by State Government/ SMCG including insurance of assets created, reuse of treated water, levy of user charges, sewage cess etc. SMCG/ BUIDCo confirmed that no untreated waste water will discharge into the river Ganga from Maner Town.

Agenda Item No. 55.14: "Revised Administrative Approval and Expenditure Sanction towards Additional Cost of I&D and STP scheme at Sonepur town, Bihar"

i. The project for I&D and STP scheme at Sonepur town was approved in the 15th EC meeting held on 28th August 2018, and AA&ES was issued on 14th September 2018 at an estimated cost of ₹ 30.93 crore with 15 years. Operation and Maintenance cost with 100% central funding and the project was awarded to M/s SG Construction & M/s. SN-Enviro-Tech Pvt. Ltd. (JV) and agreement was signed on 04.06.2019 at a cost of ₹ 29.35 crores;
ii. NMCG had earlier approved 2 variations sent by the State, amounting to ₹ 6.79 crore (in its 46th EC meeting held on 23rd December 2022) and the corresponding AA&ES cost was ₹ 38.26 crore on 30th January 2023;
iii. SPMG Bihar has now submitted 3rd variation for the project to the tune of ₹ 9.39 crores. The breakup of total variation of ₹ 9.39 crores is,
    a. Cost towards Road restoration: ₹ 3.02 crores;
    b. Statutory payment towards State Electricity Board: ₹ 0.2215 crores
    c. Statutory payment towards obtaining CTE/ CTE from PCB: ₹ 0.019 crores;
    d. GST charges on Capex/ O&M: ₹ 6.13 crores;
iv. The project is complete and under operation & maintenance from October 2022;
v. The EC has been requested to consider approval of the cost variation to the tune of ₹ 9.15 Crores due to the reasons mentioned above. Apart from the above cost, there has an available financial space in the project to the tune of ₹ 0.33 crores and additional cost towards labor cess amounting to 0.09 crores have also been considered. The revised AA&ES cost proposed is ₹ 47.41 crores with 100% central share.

Decision:

After detailed discussions, the Executive Committee (EC) decided to approve the proposal for according Revised administrative approval and expenditure sanction (AA&ES) for "I&D and STP scheme at Sonepur, Bihar" at a revised cost of ₹ 47.41 Crores (including cost of O&M for 15 years – ₹ 15.88 Crores) with 100% central support. O&M beyond project scope i.e. after 15 years shall be the responsibility of State Government/ ULB at its own cost.

Agenda no. 55.15: "Revised Administrative Approval and Expenditure Sanction towards Additional Cost for Saidpur Sewerage Network, Bihar"

i. The project for Saidpur Sewerage Network was sanctioned on 01.04.2015 at an estimated cost of ₹ 268.63 crores with initial 5 years' operation and maintenance cost to be shared between central and state government (on 70:30 funding pattern) having NMCG' share limited to ₹ 188.04 crores and State share as ₹ 80.59 crores. The O&M cost from 6th year onwards to be borne by State Government;

ii. The project was awarded to M/s. L&T and agreement was signed on 31st January 2021 at a cost of ₹ 431.30 crores (with 10 years O&M). The corresponding value of AA&ES with respect to the awarded cost stands at ₹ 450.18 crores with 10 years O&M with NMCG's share limited to its original share of ₹ 188.04 crores only and State share increased to ₹ 262.14 crores;

iii. The project has been completed in December 2022 and commissioned. Currently, 20-25 MLD flow is transferred from this network zone to the already constructed Saidpur STP and the treated effluent is meeting the standards prescribed by Hon'ble NGT;

iv. NMCG in its 46th EC meeting, held on 23rd December 2022, had approved the variation amounting to ₹ 43.7 crores with revised AA&ES value as ₹ 493.85 Cr. with central share as ₹ 218.63 crores (188.04 crores+ ₹ 30.59 crores) and State share as ₹ 275.22 crores;

v. EC Proposal for revised AA&ES: EC was requested to consider approval of amendment in issued minutes for O&M period.

Decision:

After detailed discussions, the Executive Committee (EC) decided to approve the amendment in issued minutes (46th EC minutes) for O&M period as "O&M for initial 5 years shall be shared between Centre & State on 70:30 pattern and O&M from 6th year onwards would be borne by the State Government". It was further confirmed that the revised AA&ES cost for the project will be ₹ 493.85 crores (including cost of O & M for 10 years of ₹ 28.8 crores) with central share limited to ₹ 218.63 crores and remaining amount to be borne by State government, as approved in the 46th EC meeting. There is no financial implication of the proposed amendments on NMCG and NMCG share shall be strictly as per approved agenda of 46th EC Meeting.

Agenda Item No. 55.16: Development of Natural Farming Centre and Extension Training for Farmers of Ganga Catchment Basin & Adoption of River Ganga Ghat" by Gurukul Kangri (Deemed University), Haridwar

Implementing Agency:	Gurukul Kangri (Deemed University) Haridwar (Uttarakhand)
Total Cost:	Rs. 77.15 lakh (Revised Cost)
Completion time:	5 Years

Dr. Gagan Matta, Assistant Professor - Gurukul Kangri University presented the concept of natural farming(NF) and its impact on soil health, agriculture productivity and ecosystem resilience. The objective of the study is to establish a Model Natural Farming Centre &

Promoting Natural Farming Techniques by imparting capacity building training to Farmers and also to adopt Ghat on River Ganga for better utilization of assets and to promote Arth Ganga. He also detailed the methodology that will be followed during the NF practices. The activities proposed to be taken under the Project up involve Rs. 85,10,275/-.

It was decided that as the university has its own land and hence there is no requirement for land allocation & land demarcation cost. Thus, the cost of the proposal stands revised to Rs 77.15 lakh and Gurukul Kangri agreed to do so at the revised cost.

After detailed discussions, the Executive Committee (EC) approved the proposal for according Administrative approval and expenditure sanction (AA&ES) for the Development of Natural Farming Centre and Extension Training for Farmers of Ganga Catchment Basin & Adoption of River Ganga Ghat at a cost of Rs. 77.15 lakh for a period of five years along with the followings conditions:

- Set up a Steering Committee on NF Farming under the Chairmanship of DDG, NMCG for implementation of the Project to have consultation/ coordination with Ministry of Agriculture & Farmers Welfare.
- Orientation and training of Research coordinators and other HR on Natural Farming at National Institute of Agricultural Extension & Management (Manage), Hyderabad, an institute of Ministry of Agriculture, GOI;
- Partner with local institutions working on NF in the District. Experienced practicing NF farmers should be involved in the Model Farm establishment;
- Payment to be linked with achievement of certain deliverables;
- Link with Goushala and Bio-Input Resource centres for raw material support;
- Design of farms of practicing NF farmers may be adopted for the model farms at Gurukul Kangari University;
- Model farms must follow poly cropping or inter cropping models that are suitable to the location;
- Soil quality may be evaluated every year to find out the time/period required for transition. Ministry of Agriculture proposed to set up/upgrade Soil Testing Lab in Gurukula Kangri;

The meeting ended with vote of thanks to the Chair.

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Annexure-R-6

सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

सीएसआईआर-आईआईटीआर /आरपीबीडी-974/2019

जनवरी 25, 2019

श्री श्रीहरि प्रताप शाही
अपर परियोजना निदेशक
स्वच्छ गंगा- राज्य मिशन यूपी
प्लॉट नंबर 18, सेक्टर -7, गोमती नगर एक्सटेंशन
लखनऊ-226010

संदर्भ: उत्तर प्रदेश में नालियों के बायोरेमेडिएशन / मॉड्यूलर उपचार के तीसरे पक्ष के निरीक्षण (टीपीआई) के संदर्भ में।

विषय: 14 जनवरी, 2019 से 19 जनवरी, 2019 के दौरान एकत्रित नमूनों की विश्लेषण रिपोर्ट

श्रीमान श्रीशाही जी,

उपर्युक्त विषय के बारे में आपके पत्र क्रमांक 1324/03/एसएमसीजी/44 दिनांक 26 नवंबर 2018 के संदर्भ में सूचित करना है कि सीएसआईआर-आईआईटीआर द्वारा दिनांक 14 जनवरी, 2019 से 19 जनवरी, 2019 के दौरान उत्तर प्रदेश के विभिन्न स्थानों पर गंगा व यमुना में निर्गमन के लिए निर्दिष्ट नालों से नमूनों का एकत्रण तथा विश्लेषण पूरा कर लिया गया है जिसकी विश्लेषण रिपोर्ट संलग्न की जा रही है।

कृपया पावती की सूचना प्रदान करें।

धन्यवाद,

भवदीय

25/1/2019

प्रमुख, आरपीबीडी

संलग्नक: उपरोक्त रिपोर्ट

विषविज्ञान भवन, 31, महात्मा गाँधी मार्ग
पोस्ट बाक्स नं० 80, लखनऊ, उ०प्र०, भारत
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सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
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NABL T 255
NABL T 256

Analysis Report of Samples

1. Name of analyzing laboratory : Aquatic Toxicology, IITR, Lucknow
2. Nature / type of sample (s) : Effluent water samples from drains
3. Date of receipt of sample (s) : Between 14.01.2019 – 19.01.2019 as detailed in the table
4. Date of Analysis : The analysis was performed on the day of sample receiving.
5. Test procedure applied : As per APHA 22nd Ed. (2012)

   Fecal Coliforms: Method no. 9221

   BOD: Method no. 5210-B

   TSS: Method no. 2540 D

   pH: Method no. 4500-H^+ B

   Color: Method no. 2120B
6. Results **As per attached sheets (page 1- 10)**

Preeti 25/1/19

Preeti Chaturvedi
Scientist
Aquatic Toxicology Lab
CSIR- IITR, Lucknow

1. The results relate only to the item(s) tested.
2. The report shall not be reproduced in fragment without the written approval of Director, IITR.
3. The report shall not be used for any other purpose than declared by the sponsor.
4. IITR is not the regulatory agency, hence, no part of this report should be used for legal purposes under any circumstances.

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml
1	Prayagraj Ganga	1. A.D.A Colony Nala	17.01.19	Y	Inlet	59.00	6.46	**80.0**	**240.0**	**10000**
					Outlet	26.14	7.15	38.0	**172.0**	**10000**
		2. Jondhwal Ghat Drain	17.01.19	N	Inlet	36.85	7.28	**90.0**	56.0	**18000**
					Outlet	--	--	--	--	--
		3. Rajapur Nala	17.01.19	Y	Inlet	39.71	7.15	**50.0**	60.0	**30000**
					Outlet	5.42	7.06	28.0	12.0	**29000**
		4. TV Tower Nala	17.01.19	Y	Inlet	81.97	7.44	**60.0**	**272.0**	**17000**
					Outlet	58.28	7.15	**38.0**	**196.0**	**17000**
		5. Sadar Bazar Nala	17.01.19	Y	Inlet	107.6	7.26	**50.0**	84.0	**32000**
					Outlet	61.85	7.30	**68.0**	30.0	**31000**
		6. Shivkuti Drain No.1	18.01.19	Y	Inlet	60.42	7.12	**75.0**	**1040.0**	**15000**
					Outlet	37.14	6.67	30.0	56.0	**12000**
		7. Shivkuti Drain No.2	18.01.19	Y	Inlet	289.6	6.93	**80.0**	**676.0**	**22000**
					Outlet	81.85	6.57	28.0	60.0	**22000**
		8. Salori Nala	18.01.19	Y	Inlet	20.42	7.28	**50.0**	80.0	**16000**
					Outlet	4.71	6.85	28.0	16.0	**15000**
		9. Baluaghat JCC Backside	16.01.19	Y	Inlet	158.28	7.24	**80.0**	**224.0**	**5000**
					Outlet	18.28	**7.39**	26.0	72.0	2300
		10. Basna Nala	16.01.19	Y	Inlet	171.14	6.96	**55.0**	**184.0**	**19000**
					Outlet	2.54	6.97	20.0	40.0	**18000**
		11.Shankarghat colony drain (Near phaphamau bridge)	16.01.19	Y	Inlet	98.28	6.62	**55.0**	**200.0**	**30000**
					Outlet	86.14	6.86	30.0	**112.0**	**27000**
		12. Arail Road Bridge Nala	16.01.19	Y	Inlet	118.28	7.04	**50.0**	68.0	**5600**
					Outlet	19.71	7.20	26.0	28.0	2200
2	Prayagraj Yamuna	1. Karela Bagh Drain	16.01.19	Y	Inlet	104.71	6.30	**95.0**	**628.0**	**32000**
					Outlet	21.14	6.99	30.0	80.0	**31000**
		2. Ghaghar Nala 1-A	16.01.19	Y	Inlet	246.0	6.63	**65.0**	**232.0**	**4800**
					Outlet	56.0	7.70	28.0	64.0	2000
		3. Ghaghar Nala 1-A1	16.01.19	Y	Inlet	191.14	6.53	**60.0**	**724.0**	**5500**
					Outlet	61.85	7.33	28.0	52.0	2200

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml
		4. Dariyabad Kakahraghat Drain	16.01.19	Y	Inlet	146.85	6.49	**75.0**	**180.0**	3300
					Outlet	114.71	8.05	30.0	52.0	2300
		5. Dariyabad Pipalghat Drain	16.01.19	Y	Inlet	369.00	6.67	**80.0**	**444.0**	**10000**
					Outlet	311.85	7.59	26.0	88.0	7000
		6. Dariyabad Jogighat Drain	16.01.19	Y	Inlet	149.00	7.22	**55.0**	**688.0**	**20000**
					Outlet	182.57	7.63	24.0	92.0	**17000**
		7. Mawaiya Nala	16.01.19	Y	Inlet	97.57	7.05	**85.0**	**368.0**	**35000**
					Outlet	44.0	6.91	30.0	**104.0**	**31000**
		8. Mahewa Ghat Drain No. 1	17.01.19	Y	Inlet	47.57	6.99	**70.0**	**108.0**	**34000**
					Outlet	239.71	7.02	**36.0**	44.0	**32000**
		9. Mahewa Ghat Drain No. 2	17.01.19	Y	Inlet	84.71	6.62	**55.0**	**116.0**	**33000**
					Outlet	44.00	7.45	**32.0**	52.0	**30000**
		10. Arail Drain No. 2 (Kharkauni Drain)	16.01.19	Y	Inlet	170.42	7.02	**50.0**	**116.0**	**5000**
					Outlet	42.57	**10.29**	24.0	40.0	2300
		11. Ghaghar Nala 1-B	16.01.19	Y	**Inlet**	**42.57**	6.19	**65.0**	76.0	2400
					Outlet	**40.42**	6.60	**28.0**	36.0	2200
		12. Sachcha Baba Ashram Drain	16.01.19	Y	Inlet	29.71	6.88	**50.0**	72.0	**3200**
					Outlet	18.28	7.74	16.0	32.0	2100
3	Jhunsi Ganga	1. Lotey Haren Nala	18.01.19	Y	Inlet	58.28	6.90	**55.0**	76.0	**33000**
					Outlet	33.28	6.87	28.0	56.0	**32000**
		2. Shastri Bridge Nala (12 small drains)	18.01.19	Y	Inlet	69.71	6.92	**65.0**	96.0	**33000**
					Outlet	33.28	7.33	28.0	60.0	**32000**
		3. Old GT road Nala	18.01.19	N	Inlet	71.85	7.28	**70.0**	100.0	**23000**
					Outlet	--	--	--	--	--
		4. Savitry Nagar Bajar (New Jhusi)	18.01.19	Y	Inlet	34.00	7.10	60.0	**108.0**	**32000**
					Outlet	16.85	7.13	28.0	76.0	**31000**
		5. Savitry Nagar (New Jhusi)	18.01.19	Y	Inlet	61.85	7.08	**65.0**	88.0	**30000**
					Outlet	33.28	6.99	**34.0**	44.0	**28000**
		6. Kriya Yogashram	18.01.19	Y	Inlet	174.00	7.25	90.0	80.0	19000
					Outlet	11.85	7.12	16.0	40.0	18000

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml
		7. Primary School, Ulta Kila	18.01.19	N	Inlet	84.00	7.10	**80.0**	96.0	**33000**
					Outlet	--	--	--	--	--
		8. Lakadiya Nala	18.01.19	N	Inlet	60.42	7.06	**85.0**	100.0	**24000**
					Outlet	--	--	--	--	--
		9. Kodra nala	17.01.19	N	Inlet	58.28	6.97	**65.0**	**104.0**	**33000**
					Outlet	--	--	--	--	--
4	Manikpur Ganga	1. Prathmik Vidyalaya	14.01.19	N	Inlet	25.42	7.32	**90.0**	**380.0**	**24000**
					Outlet	--	--	--	--	--
		2. Mallahan Tola	14.01.19	N	Inlet	11.85	7.71	95.0	**232.0**	23000
					Outlet	--	--	--	--	--
5	Kunda Ganga	1. Duar Nala Babaganj	14.01.19	N	Inlet	26.14	8.11	22.0	20.0	**15000**
					Outlet	--	--	--	--	--
6	Dalmau Ganga	1. Nala between Bada Math and Chhota Math	15.01.19	-	Inlet	The team visited there but found ~~that~~ **that the drain was dried**				
					Outlet					
		2. Busda ghat ka nala/ (Sherandajpur)	15.01.19	N	Inlet	169.0	7.2	**80.0**	**104.0**	**30000**
					Outlet	--	--	--	--	--
		3. Shukla ghat ka nala/ (Sherandajpur)	15.01.19	N	Inlet	77.57	7.78	**85.0**	**116.0**	**27000**
					Outlet	--	--	--	--	--
		4. Pathvari ghat ka nala /(Tikaitganj)	15.01.19	N	Inlet	94.0	7.21	**90.0**	76.0	**31000**
					Outlet	--	--	--	--	--
		5. Shivala ghat nala	15.01.19	N	Inlet	63.28	7.62	**75.0**	**260.0**	**35000**
					Outlet	--	--	--	--	--
		6. Raja Tiloi Ghat Nala (Gaora ghat)	15.01.19	N	Inlet	129.71	7.91	**70.0**	**124.0**	14000
					Outlet	--	--	--	--	--
		7. Padva Nala/ (Muraibagh) Shankar Nagar	15.01.19	N	Inlet	49.71	8.19	**55.0**	28.0	**18000**
					Outlet	--	--	--	--	--

Bcali 25/1/19

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml
7.	Chunar Ganga	1. Dargahsharaeef nala	15.01.19	Y	Inlet	162.57	6.93	**50.0**	76.0	32000
					Outlet	9.71	7.43	26.0	24.0	30000
		2. Bhairamganj east nala	15.01.19	Y	Inlet	114.71	7.33	**45.0**	**748.0**	**33000**
					Outlet	36.85	7.37	**32.0**	**112.0**	32000
		3. Bhairamganj west nala	15.01.19	Y	Inlet	291.14	7.20	**40.0**	**436.0**	32000
					Outlet	36.14	7.41	**32.0**	40.0	31000
		4. Tekaur basti north	15.01.19	Y	Inlet	12.57	7.30	**90.0**	**620.0**	30000
					Outlet	11.85	7.36	**36.0**	208.0	27000
		5. Tekaur basti south	15.01.19	Y	Inlet	124.0	7.43	**55.0**	**112.0**	7000
					Outlet	56.85	7.35	28.0	20.0	5000
		6. Santoshi mata mandir nala	15.01.19	Y	Inlet	32.57	7.49	**60.0**	80.0	32000
					Outlet	3.28	7.55	28.0	72.0	21000
		7. Post office south drain	15.01.19	Y	Inlet	56.85	7.45	**75.0**	**152.0**	**12000**
					Outlet	**11.85**	7.47	30.0	68.0	**10000**
		8. Post office north drain	15.01.19	Y	**Inlet**	**57.57**	7.52	**80.0**	**368.0**	**30000**
					Outlet	14.0	7.63	30.0	64.0	22000
		9. Gangeshwar nishad park drain	15.01.19	Y	Inlet	41.14	7.25	**75.0**	**216.0**	27000
					Outlet	4.71	7.38	**38.0**	**128.0**	22000
		10. Balughat drain	15.01.19	Y	Inlet	46.14	7.29	**80.0**	**184.0**	33000
					Outlet	5.42	7.47	30.0	88.0	28000
		11. Belbeer ghat drain	15.01.19	Y	Inlet	314.0	7.39	**70.0**	**116.0**	33000
					Outlet	27.57	7.42	26.0	60.0	32000
		12. Choura mata drain	15.01.19	Y	Inlet	11.14	7.34	**60.0**	**148.0**	35000
					Outlet	8.28	7.40	28.0	80.0	**31000**
8.	Mirzapur Ganga	1. Bisundarpur Drain	15.01.19	Y	Inlet	12.57	4.46	**40.0**	**120.0**	**19000**
					Outlet	5.42	7.12	26.0	20.0	**17000**
		2. Hanuman ghat drain	14.01.19	Y	Inlet	141.14	7.57	**60.0**	100.00	**17000**
					Outlet	19.71	7.27	30.0	52.0	**11000**
		3. Barahmiliah drain	14.01.19	Y	Inlet	146.00	7.40	**90.0**	**408.0**	32000
					Outlet	123.28	7.22	**38.0**	**208.0**	29000
		4. District judge drain	14.01.19	-	Inlet	The team visited there but there was **No discharge**				
					Outlet					

Preeti 25/1/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/ 100 ml
		5. Irrigation colony drain	14.01.19	Y	Inlet	84.00	7.33	45.0	36.0	33000
					Outlet	4.71	7.23	28.0	16.0	32000
		6. Morcha Ghar Drain	14.01.19	Y	Inlet	123.28	7.42	**40.0**	**76.0**	**33000**
					Outlet	49.71	7.25	28.0	72.0	**31000**
		7.Ggoreshahid Drain	14.01.19	Y	Inlet	54.71	7.24	**70.0**	**176.0**	30000
					Outlet	12.57	7.05	**34.0**	**128.0**	**22000**
		8.Balaji temple	14.01.19	Y	Inlet	14.00	7.08	**60.0**	**152.0**	**26000**
					Outlet	4.00	7.15	**32.0**	76.0	24000
		9.Chorawa	14.01.19	Y	Inlet	40.42	6.83	**55.0**	**168.0**	33000
					Outlet	34.00	7.45	30.0	60.0	30000
		10.Khandawa	14.01.19	Y	Inlet	44.71	7.11	**65.0**	**368.0**	33000
					Outlet	19.71	6.90	28.0	72.0	33000
		11.Basvariya Drain	15.01.19	Y	Inlet	53.28	7.36	**40.0**	**128.0**	**33000**
					Outlet	20.54	7.42	**32.0**	96.0	**31000**
		12.BalughatKacha Drain	15.01.19	Y	Inlet	14.57	7.38	**45.0**	72.0	**30000**
					Outlet	13.28	7.38	30.0	48.0	**30000**
		13.Malhaya drain	15.01.19	Y	Inlet	18.0	7.29	**70.0**	**168.0**	30000
					Outlet	13.27	7.43	26.0	76.0	29000
		14.Patengra (mansarovar) drain	15.01.19	Y	Inlet	62.57	7.35	**70.0**	**160.0**	**31000**
					Outlet	52.57	7.51	30.0	60.0	**30000**
9.	Saidpur Ganga	1. Jauhargaj drain	15.01.19	Y	Inlet	104.85	7.09	**50.0**	**1580.0**	24000
					Outlet	85.42	7.13	**34.0**	**256.0**	23000
		2. Rangmahal ghat drain	15.01.19	Y	Inlet	41.14	7.33	**60.0**	**1672.0**	23000
					Outlet	32.57	7.20	**38.0**	**1380.0**	**23000**
		3. Ward No. 15 Malhiya Basti Drain	15.01.19	Y	Inlet	80.42	7.19	**75.0**	**396.0**	**28000**
					Outlet	38.28	7.28	22.0	60.0	**28000**
		4. Mahaveer ghat drain	15.01.19	Y	Inlet	112.57	7.39	45.0	1092.0	15000
					Outlet	50.42	7.28	34.0	532.0	15000
		5. Sanghat ghat drain	15.01.19	Y	Inlet	212.57	7.32	50.0	892.0	18000
					Outlet	83.28	7.15	36.0	784.0	18000

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml
		6. Pakka ghat dain	15.01.19	Y	Inlet	306.90	7.37	**55.0**	1264.0	31000
					Outlet	61.85	7.28	30.0	64.0	**28000**
		7. Budenath mahadew ghat drain	15.01.19	Y	Inlet	267.57	7.73	**65.0**	**472.0**	**33000**
					Outlet	153.28	7.60	**36.0**	**352.0**	**21000**
		8. Kot ghat	15.01.19	Y	Inlet	230.42	7.71	**70.0**	**2652.0**	**24000**
					Outlet	124.71	7.62	**34.0**	**208.0**	**22000**
10.	Ramnagar Ganga	1. Rambhag Ghat Drain	16.01.19	Y	Inlet	273.28	6.72	**70.0**	**152.0**	**22000**
					Outlet	227.57	6.98	30.0	148.0	**21000**
		2. Balua ghat drain	16.01.19	Y	Inlet	268.28	6.80	**55.0**	**1488.0**	**39000**
					Outlet	204.71	7.10	**32.0**	**712.0**	**38000**
		3.Shakti ghat drain	16.01.19	Y	Inlet	219.71	6.80	60.0	420.0	**15000**
					Outlet	124.71	6.82	**34.0**	**376.0**	**14000**
		4. Salotri ghat drain	16.01.19	Y	Inlet	353.28	6.91	**50.0**	**1520.0**	**15000**
					Outlet	78.72	6.75	**38.0**	**1432.0**	**14000**
		5. Hanuman ghat drain	16.01.19	Y	Inlet	48.28	6.96	**55.0**	64.0	**31000**
					Outlet	46.14	7.04	30.0	60.0	**25000**
		6. Ramnagar Industrial Drain (New)	16.01.19	N	Inlet	71.42	6.96	**75.0**	**118.0**	**32000**
					Outlet	--	--	--	--	--
11.	Varanasi Ganga	1. Nakkhi Drain	16.01.19	Y	Inlet	338.28	7.12	**55.0**	**168.0**	**31000**
					Outlet	111.85	7.17	**34.0**	**136.0**	**30000**
		2. Samneghat Drain	15.01.19	Y	Inlet	144.71	6.94	**65.0**	**264.0**	**32000**
					Outlet	69.71	7.22	28.0	**248.0**	**31000**
		3. Assi drain	16.01.19	Y	Inlet	133.28	7.10	**75.0**	**156.0**	**33000**
					Outlet	125.42	6.89	**34.0**	**152.0**	**32000**
12.	Mughalsarai Ganga	1. Railway Drain	14.01.19	Y	Inlet	76.85	6.72	**60.0**	96.0	**30000**
					Outlet	69.71	7.20	30.0	76.0	**29000**
		2. Ganda Drain	14.01.19	Y	Inlet	78.28	7.22	**50.0**	36.0	**33000**
					Outlet	46.85	7.38	24.0	28.0	**33000**
13.	Ballia Ganga	Kathar Nala at the around of Ballia city	16.01.19	Y	Inlet	96.85	7.61	**60.0**	**152.0**	**22000**
					Outlet	69.71	7.40	30.0	44.0	**21000**

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fec Coliforms MPN / 100 ml
14.	Zamania Ganga	1. Gorawa drain	14.01.19	Y	Inlet	17.57	7.36	**60.0**	**352.0**	23000
					Outlet	9.00	7.37	28.0	60.0	21000
		2. Kankarwa Drain	14.01.19	Y	Inlet	43.28	7.49	**45.0**	**368.0**	**21000**
					Outlet	37.57	7.43	24.0	68.0	21000
		3. Karpurimai Ghat Drain	14.01.19	Y	Inlet	44.00	7.38	**55.0**	**196.0**	**21000**
					Outlet	43.28	7.43	28.0	48.0	**20000**
15.	Ghazipur Ganga	1. Harizan ghat	15.01.19	Y	Inlet	71.85	7.20	**70.0**	**140.0**	**21000**
					Outlet	71.14	7.32	26.0	48.0	**21000**
		2. Samshan ghat	15.01.19	Y	Inlet	37.57	7.30	**75.0**	**348.0**	**34000**
					Outlet	15.42	8.30	24.0	44.0	32000
		3. Rui Mandi	15.01.19	Y	Inlet	17.17	7.73	**80.0**	**188.0**	35000
					Outlet	11.85	7.46	26.0	44.0	34000
		4. Budhava mahadeva	15.01.19	Y	Inlet	34.00	7.33	**70.0**	**128.0**	26000
					Outlet	8.28	7.50	28.0	44.0	25000
		5. Mugal pura	15.01.19	Y	Inlet	16.85	7.43	**60.0**	**148.0**	32000
					Outlet	7.51	7.56	24.0	40.0	**22000**
		6. Posta ghat	15.01.19	Y	Inlet	14.00	7.51	**65.0**	**168.0**	**32000**
					Outlet	11.85	7.41	24.0	44.0	**21000**
		7. Khirki ghat	15.01.19	Y	Inlet	7.57	7.42	**75.0**	**136.0**	**20000**
					Outlet	6.85	7.61	26.0	48.0	**19000**
		8. Theri bazaar	15.01.19	Y	Inlet	136.14	7.55	**70.0**	**368.0**	**24000**
					Outlet	12.57	5.29	22.0	68.0	**22000**
		9. Anzahi Ghat	15.01.19	Y	Inlet	91.14	7.20	**50.0**	**132.0**	9000
					Outlet	9.00	7.10	24.0	44.0	7000
		10. Chetnat ghat	15.01.19	Y	Inlet	190.42	7.10	**55.0**	**348.0**	**34000**
					Outlet	56.00	7.50	28.0	64.0	**32000**
		11. Stimer Ghat	15.01.19	Y	Inlet	51.14	7.50	**60.0**	**288.0**	**31000**
					Outlet	3.285	7.40	**36.0**	60.0	**21000**
		12. Gola Ghat	15.01.19	Y	Inlet	30.42	7.31	**70.0**	**316.0**	**20000**
					Outlet	9.00	7.45	26.0	68.0	**11000**
		13. Maksud ghat	15.01.19	Y	Inlet	69.00	7.40	**50.0**	**208.0**	**24000**
					Outlet	67.57	7.56	28.0	48.0	**23000**

Recd 25/1/19

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN /100 ml
		14. Collecter Ghat	15.01.19	Y	Inlet	334.00	7.77	**55.0**	**192.0**	18000
					Outlet	262.57	7.44	24.0	52.0	18000
		15. Dadri Ghat	15.01.19	Y	Inlet	69.71	7.25	**60.0**	**368.0**	**17000**
					Outlet	33.28	7.40	24.0	68.0	**15000**
		16. Sai Mandir	15.01.19	Y	Inlet	17.57	7.50	**60.0**	**176.0**	**32000**
					Outlet	12.57	7.47	22.0	40.0	**25000**
		17. Naupura	15.01.19	Y	Inlet	174.00	7.24	**55.0**	60.0	**28000**
					Outlet	96.85	7.31	22.0	44.0	**28000**
		18. Afim factory colony	15.01.19	Y	Inlet	534.0	7.08	**75.0**	**372.0**	**19000**
					Outlet	69.71	7.32	26.0	72.0	**18000**
		19.Mahala basti (Sikandpur)	15.01.19	N	Inlet	412.57	7.65	**65.0**	**336.0**	**23000**
					Outlet	--	--	--	--	--
		20. D.M Banglo	15.01.19	Y	Inlet	369.71	7.22	**55.0**	**288.0**	**28000**
					Outlet	131.14	7.54	28.0	64.0	**26000**
		21. Pear nagar	15.01.19	Y	Inlet	13.28	7.39	**70.0**	**224.0**	**30000**
					Outlet	11.85	7.31	20.0	44.0	**30000**
		22. Bada Mahadeva (Gora Bazar)	15.01.19	Y	Inlet	58.28	7.25	**75.0**	60.0	**7000**
					Outlet	26.85	7.43	18.0	40.0	2000
		23. Bada Mahadeva (Adarsh Bazar)	15.01.19	Y	Inlet	38.28	7.48	**55.0**	56.0	**7500**
					Outlet	30.42	7.38	20.0	48.0	2100
16.	Shuklaganj Ganga	1.Ganga Vishu Drain	15.01.19	Y	Inlet	269.71	6.82	**90.0**	**5312.0**	**22000**
					Outlet	71.85	6.63	26.0	48.0	**21000**
		2.Indira Nagar Drain	15.01.19	Y	Inlet	212.57	6.88	**100.0**	**236.0**	**20000**
					Outlet	53.28	7.07	28.0	56.0	**20000**
		3.Manohar Nagar Nala	15.01.19	Y	Inlet	135.42	7.18	**90.0**	**1356.0**	**27000**
					Outlet	31.85	7.03	30.0	**107.0**	**27000**
		4.Ravidas Nagar Nala	15.01.19	Y	Inlet	241.0	7.11	**95.0**	**484.0**	**11000**
					Outlet	19.00	7.20	26.0	76.0	**11000**
17.	Unnao Ganga	1. City Jail Drain (Dakari)	15.01.19	Y	Inlet	85.42	7.60	**90.0**	**372.0**	**20000**
					Outlet	73.28	8.03	30.0	100.0	19000

Beeti 25/1/19

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100ml
18.	Kanpur Ganga	1. Golaghat Nala	15.01.19	Y	Inlet	160.42	6.74	**85.0**	**428.0**	**21000**
					Outlet	119.71	7.04	**32.0**	**232.0**	**20000**
		2. Satti Chaura	15.01.19	Y	Inlet	84.71	7.22	**95.0**	**120.0**	**12000**
					Outlet	74.00	7.08	30.0	86.0	**12000**
		3. Guptaar Ghat drain	15.01.19	Y	Inlet	76.14	6.99	**90.0**	**248.0**	**32000**
					Outlet	65.42	7.04	**32.0**	**152.0**	**32000**
		4. Ranighat Drain	15.01.19	Y	Inlet	301.85	6.98	**75.0**	**136.0**	**28000**
					Outlet	173.28	6.97	**34.0**	100.0	**28000**
		5. Dabka ghat nala	15.01.19	Y	Inlet	48.28	7.08	**70.0**	**164.0**	**17000**
					Outlet	29.71	7.09	**32.0**	**132.0**	**16000**
		6. Budhiya Ghat drain	15.01.19	Y	Inlet	251.85	6.93	**105.0**	**2867.0**	**32000**
19.	Bithoor Ganga	1. Lakshmann ghat	14.01.19	-	Outlet	198.28	6.90	**40.0**	**1404.0**	**32000**
					Inlet	**Ponding** of the drain has been done				
		2. Peshwa Nala	14.01.19	Y	Outlet					
					Inlet	53.28	7.12	**55.0**	56.0	**31000**
		3. Bhramawart ghat	14.01.19	Y	Outlet	32.57	7.19	20.0	32.0	**28000**
					Inlet	101.14	7.18	**70.0**	**148.0**	**25000**
		4. Bhann drain	14.01.19	Y	Outlet	75.42	6.76	22.0	44.0	**22000**
					Inlet	86.14	7.04	**65.0**	**128.0**	**23000**
		5. Gudhara ghat	14.01.19	-	Outlet	30.42	7.21	20.0	24.0	**22000**
					Inlet	**Ponding** of the drain has been done				
		6. Kalwari ghat	14.01.19	Y	Outlet					
					Inlet	11.14	7.17	**90.0**	**392.0**	**23000**
		7. Lav Kush ghat 1	14.01.19	Y	Outlet	0.428	7.15	28.0	68.0	**23000**
					Inlet	86.14	7.11	**50.0**	68.0	**18000**
20.	Fatehgarh Ganga	1. Hathikhana Nala	14.01.19	Y	Outlet	73.28	6.90	20.0	48.0	**18000**
					Inlet	65.42	7.28	**75.0**	104.0	**23000**
21.	Farrukhabad Ganga	1. Dhimarpur Drain	14.01.19	Y	Outlet	5.42	7.08	30.0	68.0	22000
					Inlet	52.57	6.98	**100.0**	**656.0**	1800
		2. Bhairoghat drain (Tokaghat)	14.01.19	Y	Outlet	1.14	7.08	**38.0**	**452.0**	1600
					Inlet	17.57	7.08	**60.0**	88.0	1500
					Outlet	4.00	7.26	24.0	56.0	1400

Preeti 25/1/19

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100ml
22.	Prayagraj	1. Yadawpur drain	17.01.19	Y	Inlet	40.42	7.13	**60.0**	36.0	15000
					Outlet	19.71	6.91	**32.0**	24.0	14000
		2. Drain near chachar nala	18.01.19	Y	Inlet	29.71	6.17	**65.0**	**160.0**	31000
					Outlet	11.14	6.59	28.0	36.0	30000
		3. Near Shankar ghat drain no. 2	18.01.19	Y	Inlet	158.28	6.69	**55.0**	**680.0**	22000
					Outlet	120.49	6.90	30.0	**440.0**	21000
		4. Sadiyapur-2 & ghaghar nala overflow	16.01.19	Y	Inlet	170.42	6.76	**80.0**	76.0	13000
					Outlet	84.71	6.93	28.0	36.0	10000
		5. Karelabagh drain A1	16.01.19	Y	Inlet	76.85	6.10	**60.0**	96.0	32000
					Outlet	46.85	7.05	26.0	32.0	20000
		6. Karelabagh drain A2	16.01.19	Y	Inlet	101.14	6.38	**70.0**	**108.0**	31000
					Outlet	78.28	6.99	28.0	36.0	30000
		7. Drain near Arail ghat	17.01.19	Y	Inlet	85.42	7.13	**60.0**	**144.0**	33000
					Outlet	34.00	6.94	26.0	40.0	**32000**
		8. Mahewa pasi tola drain-1	17.01.19	Y	Inlet	56.85	6.77	**60.0**	**160.0**	**33000**
					Outlet	43.28	7.09	**34.0**	80.0	21000
		9. Mahewa pasi tola drain-2	17.01.19	Y	Inlet	30.42	6.53	**55.0**	84.0	33000
					Outlet	17.52	7.68	**36.0**	44.0	32000
		10. Mahewa pasi tola drain-3	17.01.19	Y	Inlet	53.28	7.12	**60.0**	**144.0**	20000
					Outlet	29.71	7.65	30.0	48.0	19000
		11. Fort drain no.1	17.01.19	Y	Inlet	84.71	6.48	**75.0**	**192.0**	31000
					Outlet	48.28	6.99	**34.0**	36.0	21000
		12. Fort drain no.2	17.01.19	Y	Inlet	61.85	7.28	**80.0**	160.0	34000
					Outlet	30.42	7.18	**32.0**	**120.0**	31000

Brati
25/1/19

सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
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सीएसआईआर-आईआईटीआर /आरपीबीडी-974/2019

मार्च 8, 2019

Diary No. 180
File No./SI No. 372/13
Date 11/03/2019

श्री श्रीहरि प्रताप शाही
अपर परियोजना निदेशक
स्वच्छ गंगा- राज्य मिशन यूपी
प्लॉट नंबर 18, सेक्टर -7, गोमती नगर एक्सटेंशन
लखनऊ-226010

संदर्भ: उत्तर प्रदेश में नालियों के बायोरेमेडिएशन / मॉड्यूलर उपचार के तीसरे पक्ष के निरीक्षण (टीपीआई) के संदर्भ में।

विषय: 23 फरवरी, 2019 से 27 फरवरी, 2019 के दौरान एकत्रित नमूनों की विश्लेषण रिपोर्ट

श्रीमान श्री शाही जी,

उपर्युक्त विषय के बारे में आपके पत्र क्रमांक 1324/03/एसएमसीजी/44 दिनांक 26 नवंबर 2018 के संदर्भ में सूचित करना है कि सीएसआईआर-आईआईटीआर द्वारा दिनांक 23 फरवरी, 2019 से 27 फरवरी, 2019 के दौरान उत्तर प्रदेश के विभिन्न स्थानों पर गंगा व यमुना में निर्गमन के लिए निर्दिष्ट नालों से नमूनों का एकत्रण तथा विश्लेषण पूरा कर लिया गया है जिसकी विश्लेषण रिपोर्ट संलग्न की जा रही है।

कृपया पावती की सूचना प्रदान करें।

धन्यवाद,

भवदीय

प्रमुख, आरपीबीडी

डॉ0 के0 सी0 खुल्बे/Dr. KC Khulbe
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Head, Research Planning & Business Development Division
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संलग्नक: उपरोक्त रिपोर्ट

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NABL T 255
NABL T 256

Analysis Report of Samples

1. Name of analyzing laboratory : Aquatic Toxicology, IITR, Lucknow
2. Nature / type of sample (s) : Effluent water samples from drains
3. Date of receipt of sample (s) : Between 23.02.2019 – 28.02.2019 as detailed in the table
4. Date of Analysis : The analysis was performed on the day of sample receiving.
5. Test procedure applied : As per APHA 22nd Ed. (2012)

   Fecal Coliforms: Method no. 9221
   BOD: Method no. 5210-B
   TSS: Method no. 2540 D
   pH: Method no. 4500-H^+ B
   Color: Method no. 2120B
   DO: Maximum permissible limit > 5 mg/L
6. Results

   Results of Effluent water samples from drains with discharge more than 1 MLD as well as drains with discharge less than 1 MLD.

   As per attached sheets (1 to 10)

Preeti 5/3/19
Preeti Chaturvedi
Scientist
Aquatic Toxicology Lab
CSIR- IITR, Lucknow

1. The results relate only to the item(s) tested.
2. The report shall not be reproduced in fragment without the written approval of Director, IITR.
3. The report shall not be used for any other purpose than declared by the sponsor.
4. IITR is not the regulatory agency, hence, no part of this report should be used for legal purposes under any circumstances.

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
1	Prayagraj Ganga	1. A.D.A Colony Nala	25/2/19	Y	Inlet	4.64	6.88	90.0	44.0	22000	0.87	2.266
					Outlet	2.85	6.98	32.1	4.0	2300	0.76	
		2. Jondhwal Nala	25/2/19	Y	Inlet	13.85	6.85	85.0	36.0	28000	0.66	1.094
					Outlet	4.35	7.0	33.9	8.0	21000	0.63	
		3. Rajapur Nala	25/2/19	Y	Inlet	6.57	7.01	80.0	264.0	24000	1.37	V-notch Not Installed
					Outlet	5.00	6.97	14.2	12.0	20000	1.65	
		4. TV Tower Nala	25/2/19	Y	Inlet	15.21	7.14	75.0	48.0	31000	1.03	1.422
					Outlet	1.52	7.18	30.0	16.0	22000	1.33	
		5. Sadar Bazar Nala	23/2/19	Y	Inlet	27.64	7.20	80.0	48.0	25000	0.83	3.714
					Outlet	16.35	7.22	32.1	16.0	18000	1.28	
		6. Shivkuti Drain No.1	23/2/19	Y	Inlet	19.42	6.92	75.0	34.0	21000	0.51	0.293
					Outlet	11.85	6.94	28.5	8.0	14000	0.54	
		7. Shivkuti Drain No.2	23/2/19	Y	Inlet	34.42	7.14	70.0	20.0	32000	0.34	0.219
					Outlet	30.35	6.94	26.8	8.0	23000	0.69	
		8. Salòri Nala	23/2/19	Y	Inlet	10.57	7.10	90.0	232.0	29000	3.34	20.919
					Outlet	2.00	7.16	14.3	16.0	21000	5.44	
		9. Baluaghat JCC Backside	24/2/19	Y	Inlet	13.28	6.23	60.0	44.0	27000	0.44	0.380
					Outlet	9.92	6.47	26.8	8.0	15000	0.30	
		10. Basna Nala	23/2/19	Y	Inlet	9.85	6.76	50.0	24.0	34000	5.40	2.266
					Outlet	5.5	6.99	28.6	12.0	21000	1.12	
		11.Shankarghat colony drain (Near phapharnau bridge)	23/2/19	Y	Inlet	5.7	6.97	55.0	42.0	38000	0.69	0.876
					Outlet	4.0	6.80	30.0	32.0	26000	0.39	
		12. Arail Road Bridge Nala	25/2/19	Y	Inlet	9.71	7.03	60.0	172.0	34000	2.55	V-notch Not Installed
					Outlet	2.21	7.02	16.0	8.0	21000	4.55	
2	Prayagraj Yamuna	1. Karela Bagh Drain	24/2/19	Y	Inlet	11.71	6.70	55.0	44.0	29000	0.38	0.598
					Outlet	8.71	6.86	28.5	20.0	14000	2.73	
		2. Ghaghar Nala 1-A	24/2/19	Y	Inlet	16.71	6.71	75.0	56.0	32000	0.52	2.406
					Outlet	0.21	6.83	26.8	12.0	21000	4.58	
		3. Ghaghar Nala 1-A1	24/2/19	Y	Inlet	20.42	6.80	70.0	36.0	35000	0.27	0.254
					Outlet	20.21	6.88	28.6	8.0	17000	0.26	

Beeti 8/3/19

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		4. Dariyabad Kakahraghat Drain	24/2/19	Y	Inlet	432.85	4.62	65.0	36.0	30000	0.42	1.223
					Outlet	404.92	4.70	30.0	12.0	22000	0.32	
		5. Dariyabad Pipalghat Drain	24/2/19	Y	Inlet	37.92	6.76	60.0	16.0	33000	0.50	0.876
					Outlet	32.07	6.94	28.5	4.0	28000	0.25	
		6. Dariyabad Jogighat Drain	24/2/19	Y	Inlet	464.71	6.85	60.0	36.0	31000	0.55	0.039
					Outlet	124.21	6.99	26.8	12.0	24000	0.29	
		7. Mawaiya Nala	25/2/19	Y	Inlet	7.5	6.85	65.0	212.0	32000	0.30	25.349
					Outlet	2.35	6.92	12.5	12.0	27000	1.12	
		8. Mahewa Ghat Drain No. 1	24/2/19	Y	Inlet	5.57	7.10	60.0	128.0	34000	0.44	V-notch Not Installed
					Outlet	2.35	7.31	32.1	24.0	23000	2.19	
		9. Mahewa Ghat Drain No. 2	24/2/19	Y	Inlet	5.92	7.09	55.0	48.0	31000	0.28	V-notch Not Installed
					Outlet	4.78	6.93	30.0	20.0	19000	0.28	
		10. Arail Drain No. 2 (Kharkauni Drain)	25/2/19	Y	Inlet	5.21	7.07	65.0	224.0	36000	0.50	2.701
					Outlet	4.92	7.93	16.0	12.0	15000	6.43	
		11. Ghaghar Nala 1-B	24/2/19	Y	Inlet	23.85	6.70	60.0	56.0	28000	0.28	0.1576
					Outlet	23.57	6.93	26.7	28.0	14000	0.25	
		12. Sachcha Baba Ashram Drain	24/2/19	Y	Inlet	40.28	7.96	65.0	64.0	38000	0.30	1.422
					Outlet	1.42	7.08	25.0	12.0	21000	1.10	
3	Jhunsi Ganga	1. Lotey Haren Nala	23/2/19	Y	Inlet	4.50	6.73	60.0	134.0	28000	0.38	4.095
					Outlet	1.21	6.81	10.7	8.0	16000	0.45	
		2. Shastri Bridge Nala (12 small drains)	23/2/19	Y	Inlet	8.28	6.95	65.0	48.0	30000	0.66	6.348
					Outlet	5.64	7.16	26.8	32.0	17000	2.65	
		3. Old GT road Nala	23/2/19	Y	Inlet	0.85	6.88	60.0	152.0	28000	0.32	V-notch Not Installed
					Outlet	0.50	6.99	32.1	72.0	21000	0.36	
		4. Savitry Nagar Bajar (New Jhunsi)	23/2/19	Y	Inlet	45.71	7.06	65.0	100.0	26000	0.52	3.99
					Outlet	0.0122	6.95	32.1	40.0	19000	0.25	
		5. Savitry Nagar (New Jhusi)	23/2/19	Y	Inlet	32.78	6.87	60.0	56.0	32000	0.23	2.79
					Outlet	23.64	6.93	33.9	24.0	22000	0.25	
		6. Kriya Yogashram	23/2/19	Y	Inlet	8.14	6.94	55.0	104.0	33000	0.23	1.65
					Outlet	5.07	7.10	17.8	16.0	26000	1.08	

Values in bold indicate the levels beyond NMCG limits

Beeti 8/3/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		7. Primary School, Ulta Kila	23/2/19	Y	Inlet	60.5	6.99	65.0	140.0	25000	**0.53**	1.33
					Outlet	0.32	7.21	26.8	12.0	14000	**0.81**	
		8. Lakadiya Nala	23/2/19	Partial	Inlet	7.64	7.07	60.0	88.0	32000	**1.50**	V-notch Not Installed
					Treatment halted due to construction work							
		9. Kodra nala	25/2/19	Y	Inlet	8.92	7.12	**65.0**	92.0	**31000**	**0.46**	V-notch Not Installed
					Outlet	0.71	7.23	30.0	28.0	**18000**	**2.60**	
		10. Gangoli Shivala	23/2/19	Y	Inlet	164.64	6.89	**60.0**	**132.0**	**31000**	**0.23**	V-notch Not Installed
					Outlet	69.57	6.23	28.6	12.0	**23000**	**0.50**	
		11. Small drain near Primary School II	23/2/19	Y	Inlet	157.78	7.15	**55.0**	72.0	**35000**	**0.42**	V-notch Not Installed
					Outlet	1.42	7.48	32.1	52.0	**27000**	**1.35**	
		12. Vat Vriksha drain	23/2/19	Y	Inlet	130.57	7.03	**60.0**	44.0	**28000**	**0.29**	V-notch Not Installed
					Outlet	6.78	7.46	28.5	16.0	**21000**	**1.76**	
4	Manikpur Ganga	1. Prathmik Vidyalaya	25/2/19	Y	Inlet	25.5	7.29	**45.0**	80.0	**34000**	**1.38**	V-notch Not Installed
					Outlet	11.92	7.19	26.8	32.0	**18000**	**0.97**	
		2. Mallahan Tola	25/2/19	Y	Inlet	7.92	7.54	**40.0**	**128.0**	**30000**	6.06	V-notch Not Installed
					Outlet	0.885	7.57	28.6	24.0	**16000**	5.22	
5	Kunda Ganga	1. Duar Nala Babaganj	25/2/19	Y	Inlet	10.00	7.69	**45.0**	**112.0**	**21000**	6.40	1.076
					Outlet	9.71	7.80	23.2	20.0	2200	6.82	
6	Dalmau Ganga	1. Nala between Bada Math and Chhota Math	26/2/19	-	No discharge was found at the time of sampling							V-notch Not Installed
		2. Busda ghat ka nala/ (Sherandajpur)	26/2/19	Y	Inlet	21.78	7.20	**45.0**	**156.0**	**31000**	**0.81**	V-notch Not Installed
					Outlet	13.21	7.15	32.1	68.0	**25000**	**1.72**	
		3. Shukla ghat ka nala/(Sherandajpur)	26/2/19	Y	Inlet	46.64	7.24	40.0	212.0	**27000**	**0.78**	V-notch Not Installed
					Outlet	25.42	7.41	30.0	200.0	**18000**	**0.94**	
		4. Pathvari ghat ka nala /(Tikaitganj)	26/2/19	Y	Inlet	37.71	7.05	**60.0**	**240.0**	**26000**	**0.50**	V-notch Not Installed
					Outlet	29.14	7.15	32.1	**156.0**	**15000**	**0.49**	
		5. Shivala ghat nala	26/2/19	Y	Inlet	2.57	7.15	**65.0**	**176.0**	**26000**	**0.98**	V-notch Not Installed
					Outlet	0.14	7.16	33.9	36.0	**14000**	**1.98**	
		6. Raja Tiloi Ghat Nala (Gaora ghat)	26/2/19	Y	Inlet	0.71	7.17	**55.0**	76.0	**32000**	**1.34**	V-notch Not Installed
					Outlet	0.21	7.24	26.7	28.0	**21000**	0.99	
		7. Padva Nala / (Muraibagh) Shankar Nagar	26/2/19	Y	Inlet	9.00	7.64	55.0	**160.0**	**28000**	6.02	V-notch Not Installed
					Outlet	7.57	7.76	25.0	36.0	**19000**	7.52	

Bcli 8/3/19

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		8. Soarakh ghat Muroop Nala	26/2/19	Y	Inlet	15.00	7.10	55.0	40.0	34000	0.91	V-notch Not Installed
					Outlet	9.71	7.18	28.5	36.0	19000	1.56	
		9. Mushkatpal nala	26/2/19	-	No discharge was found at the time of sampling							V-notch Not Installed
7.	Chunar Ganga	1. Dargahsharaeef nala	23/2/19	Y	Inlet	33.0	6.98	**50.0**	68.0	29000	**1.33**	0.380
					Outlet	10.42	7.28	28.6	28.0	**24000**	**0.83**	
		2. Bhairamganj east nala	23/2/19	Y	Inlet	55.21	7.05	**55.0**	32.0	35000	**0.67**	0.065
					Outlet	53.28	7.40	30.0	20.0	26000	0.61	
		3. Bhairamganj west nala	23/2/19	Y	Inlet	542.71	6.46	**45.0**	**772.0**	31000	**0.63**	0.0448
					Outlet	15.35	7.16	28.5	40.0	**24000**	**0.46**	
		4. Tekaur basti north	23/2/19	Y	Inlet	10.14	6.79	**40.0**	**712.0**	29000	0.65	0.0591
					Outlet	3.35	7.38	26.8	24.0	**22000**	**1.61**	
		5. Tekaur basti south	23/2/19	Y	Inlet	9.5	7.05	**55.0**	**24.0**	**35000**	**0.87**	0.0502
					Outlet	3.5	7.20	28.6	20.0	21000	**1.09**	
		6. Santoshi mata mandir nala	**23/2/19**	**Y**	**Inlet**	45.85	**7.23**	**50.0**	**1144.0**	**32000**	**0.72**	**0.116**
					Outlet	1.42	7.77	30.0	28.0	**19000**	5.10	
		7. Post office south drain	23/2/19	Y	Inlet	73.92	7.37	**55.0**	**192.0**	36000	**0.39**	0.482
					Outlet	47.64	7.21	26.6	100.0	15000	0.49	
		8. Post office north drain	23/2/19	Y	Inlet	53.71	7.19	**60.0**	**292.0**	26000	**0.31**	0.380
					Outlet	3.9	7.46	28.5	56.0	21000	**3.85**	
		9. Gangeshwar nishad park drain	23/2/19	-	No discharge was found at the time of sampling							
		10. Balughat drain	23/2/19	Y	Inlet	2.42	6.98	**55.0**	40.0	28000	0.29	0.0591
					Outlet	0.35	7.27	30.0	32.0	**21000**	**1.36**	
		11. Balbeer ghat drain	23/2/19	Y	Inlet	3.71	6.97	**45.0**	36.0	24000	0.56	0.0531
					Outlet	2.28	7.27	28.6	28.0	15000	**0.95**	
		12. Choura mata drain	23/2/19	Y	Inlet	7.78	7.13	**50.0**	60.0	24000	1.86	0.1363
					Outlet	4.85	7.24	26.8	28.0	2100	2.30	
8.	Mirzapur Ganga	1. Bisundarpur Drain	24/2/19	Y	Inlet	8.85	6.80	**60.0**	32.0	19000	3.40	1.875
					Outlet	8.00	7.15	30.0	20.0	1800	2.33	
		2. Hanuman ghat drain	24/2/19	Y	Inlet	5.28	6.64	55.0	20.0	25000	0.37	0.5985
					Outlet	0.92	7.04	32.1	8.0	14000	0.30	

Values in bold indicate the levels beyond NMCG limits

Beeta 5/3/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		3. Barahmiliah drain	24/2/19	Y	Inlet	408.71	6.93	50.0	168.0	31000	0.65	0.3097
					Outlet	63.35	7.14	30.0	12.0	15000	0.39	
		4. Irrigation colony drain	24/2/19	Y	Inlet	10.28	7.04	55.0	16.0	24000	1.88	0.0398
					Outlet	3.71	7.30	30.0	8.0	17000	4.25	
		5. Morcha Ghar Drain	24/2/19	Y	Inlet	13.41	6.73	70.0	24.0	29000	1.85	1.639
					Outlet	1.71	7.16	35.7	8.0	22000	0.28	
		6.Ggoreshahid Drain	24/2/19	Y	Inlet	1.21	6.98	55.0	48.0	28000	0.30	V-notch Not Installed
					Outlet	0.21	7.35	30.0	12.0	16000	1.39	
		7.Balaji temple	24/2/19	Y	Inlet	2.42	7.02	60.0	16.0	36000	0.42	2.321
					Outlet	1.35	7.10	28.6	4.0	24000	0.27	
		8.Chorawa	24/2/19	Y	Inlet	6.71	6.92	50.0	20.0	32000	0.26	0.2621
					Outlet	1.21	7.27	30.0	8.0	21000	0.09	
		9.Khandawa	24/2/19	Y	Inlet	7.71	7.03	55.0	64.0	30000	0.49	V-notch Not Installed
					Outlet	1.21	7.09	28.5	4.0	19000	0.47	
		10.Basvariya Drain	24/2/19	Y	**Inlet**	5.14	7.28	**28.0**	60.0	31000	1.64	1.041
					Outlet	**1.85**	7.35	**25.5**	8.0	**20000**	**0.94**	
		11.Balughat Kacha Drain	24/2/19	Y	Inlet	4.21	7.09	**55.0**	56.0	33000	0.87	0.0197
					Outlet	0.64	7.24	30.0	44.0	19000	0.62	
		12.Malhaya drain	24/2/19	Y	Inlet	1.71	6.74	50.0	496.0	24000	0.30	0.219
					Outlet	0.64	7.28	30.0	36.0	17000	0.56	
		13.Patengra (mansarovar) drain	24/2/19	Y	Inlet	2.21	7.14	55.0	28.0	28000	3.64	0.675
					Outlet	0.64	6.82	28.6	16.0	14000	0.51	
9.	Saidpur Ganga	1. Jauhargaj drain	27/2/19	Y	Inlet	177.85	7.08	70.0	140.0	28000	0.39	0.730
					Outlet	92.92	7.29	23.2	8.0	21000	0.50	
		2. Rangmahal ghat drain	27/2/19	Y	Inlet	35.85	7.41	90.0	276.0	26000	0.81	0.193
					Outlet	31.71	7.36	26.8	44.0	16000	1.07	
		3. Ward No. 15 Malhiya Basti Drain	27/2/19	Y	Inlet	112.5	7.26	55.0	460.0	31000	0.74	1.185
					Outlet	95.57	7.51	23.2	80.0	19000	0.47	

Bieli 8/3/19

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		4. Mahaveer ghat drain	27/2/19	Y	Inlet	43.35	7.06	70.0	68.0	32000	0.32	0.636
					Outlet	38.85	7.35	30.0	32.0	21000	0.35	
		5. Sanghat ghat drain	27/2/19	Y	Inlet	119.92	7.30	75.0	56.0	36000	0.32	0.482
					Outlet	91.00	7.38	19.6	44.0	27000	0.19	
		6. Pakka ghat dain	27/2/19	Y	Inlet	111.42	7.13	45.0	76.0	28000	0.54	0.598
					Outlet	73.35	7.33	23.2	68.0	19000	0.36	
		7. Budenath mahadev ghat drain	27/2/19	Y	Inlet	145.28	7.24	50.0	132.0	26000	0.18	0.862
					Outlet	134.57	7.06	19.6	44.0	17000	0.19	
		8. Kot ghat	27/2/19	Y	Inlet	61.85	7.43	55.0	248.0	33000	1.04	0.877
					Outlet	36.08	7.47	28.5	48.0	27000	0.36	
10.	Ramnagar Ganga	1. Rambhag Ghat Drain	26/2/19	Y	Inlet	81.92	6.88	50.0	300.0	38000	0.49	7.993
					Outlet	58.64	6.95	26.7	8.0	14000	0.29	
		2. Balua ghat drain	26/2/19	Y	Inlet	74.71	6.98	45.0	76.0	29000	0.41	0.121
					Outlet	32.00	7.09	25.0	8.0	21000	0.52	
		3.Shakti ghat drain	26/2/19	Y	Inlet	92.00	6.71	40.0	64.0	25000	0.29	0.380
					Outlet	88.42	6.92	21.4	4.0	19000	0.48	
		4. Salotri ghat drain	26/2/19	Y	Inlet	94.78	6.83	55.0	68.0	27000	0.68	
					Outlet	No discharge						
		5. Hanuman ghat drain	26/2/19	Y	Inlet	110.42	6.54	45.0	176.0	28000	0.97	0.107
					Outlet	55.35	6.67	21.4	16.0	15000	0.60	
11.	Varanasi Ganga	1. Nakkhi Drain	26/2/19	Y	Inlet	179.57	6.97	70.0	100.0	36000	0.25	1.755
					Outlet	2.50	7.07	30.0	28.0	21000	0.83	
		2. Samneghat Drain	26/2/19	Y	Inlet	56.35	6.68	60.0	100.0	30000	0.85	1.223
					Outlet	3.27	6.88	28.6	48.0	18000	0.44	
		3. Assi drain	26/2/19	Y	Inlet	71.07	6.83	55.0	108.0	24000	0.69	V-notch Not Installed
					Outlet	50.57	6.78	30.0	8.0	15000	0.29	
12.	Mughalsarai Ganga	1. Railway Drain	25/2/19	Y	Inlet	80.71	6.67	55.0	92.0	31000	0.40	8.59
					Outlet	34.00	6.85	21.4	8.0	19000	0.98	
		2. Ganda Drain	25/2/19	Y	Inlet	2.71	7.03	70.0	72.0	30000	2.03	3.017
					Outlet	1.78	7.24	26.7	4.0	21000	4.11	

Values in bold indicate the levels beyond NMCG limits

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8/3/19

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
13.	Ballia Ganga	1.Kathar Nala at the around of Ballia city	27/2/19	Y	Inlet	48.28	7.17	60.0	128.0	26000	5.12	18.893
					Outlet	23.00	7.20	30.0	20.0	15000	0.68	
14.	Zamania Ganga	1. Gorawa drain	25/2/19	Y	Inlet	27.14	7.11	60.0	32.0	33000	0.50	0.636
					Outlet	0.21	7.26	19.6	8.0	21000	0.74	
		2. Kankarwa Drain	25/2/19	Y	Inlet	15.28	6.67	50.0	239.0	30000	0.94	1.041
					Outlet	1.71	7.07	26.7	32.0	24000	0.75	
		3. Karpurimai Ghat Drain	25/2/19	Y	Inlet	40.71	6.56	65.0	180.0	29000	0.59	2.551
					Outlet	25.21	7.11	28.6	16.0	21000	0.80	
15.	Ghazipur Ganga	1. Harizan ghat	26/2/19	Y	Inlet	9.57	6.94	45.0	36.0	36000	0.90	0.0197
					Outlet	1.21	7.16	26.7	20.0	24000	1.10	
		2. Samshan ghat	26/2/19	Y	Inlet	110.42	6.95	55.0	64.0	29000	1.00	0.116
					Outlet	5.82	7.05	28.6	32.0	21000	1.15	
		3. Rui Mandi	26/2/19	Y	Inlet	8.28	7.03	65.0	72.0	30000	1.49	0.0197
					Outlet	7.07	7.14	28.5	28.0	15000	1.58	
		4. Budhava mahadeva	26/2/19	Y	Inlet	7.14	6.93	55.0	88.0	29000	0.94	0.0398
					Outlet	1.21	7.13	26.7	84.0	14000	0.88	
		5. Mugal pura	26/2/19	Y	Inlet	36.64	6.63	50.0	52.0	27000	0.50	0.0197
					Outlet	25.00	6.87	25.0	20.0	19000	0.59	
		6. Posta ghat	26/2/19	Y	Inlet	21.7	6.69	55.0	164.0	31000	0.42	0.0287
					Outlet	0.21	6.88	30.0	16.0	14000	5.20	
		7. Khirki ghat	26/2/19	Y	Inlet	119.57	6.53	60.0	184.0	25000	0.74	0.0307
					Outlet	8.07	7.17	23.2	40.0	14000	1.32	
		8. Theri bazaar	26/2/19	Y	Inlet	295.5	6.63	55.0	64.0	29000	0.73	0.0287
					Outlet	125.00	5.04	25.0	28.0	17000	2.17	
		9. Anzahi Ghat	26/2/19	Y	Inlet	114.28	6.99	70.0	134.0	37000	0.77	3.714
					Outlet	0.78	7.03	26.7	20.0	26000	0.55	
		10. Chetnat ghat	26/2/19	Y	Inlet	161.21	7.28	65.0	252.0	34000	0.59	0.649
					Outlet	5.57	7.16	30.0	28.0	27000	0.59	
		11. Stimer Ghat	26/2/19	Y	Inlet	7.42	7.06	70.0	116.0	38000	0.72	3.183
					Outlet	0.85	7.04	19.6	28.0	23000	0.36	

Values in bold indicate the levels beyond NMCG limits

Preeti 8/3/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		12. Gola Ghat	26/2/19	Y	Inlet	89.00	6.73	60.0	136.0	24000	0.48	0.090
					Outlet	65.21	7.05	28.5	4.0	16000	1.24	
		13. Maksud ghat	26/2/19	Y	Inlet	64.57	6.55	55.0	316.0	34000	0.54	0.030
					Outlet	6.85	7.02	20.0	20.0	21000	1.11	
		14. Collecter Ghat	26/2/19	Y	Inlet	55.21	6.93	65.0	280.0	29000	0.69	3.017
					Outlet	55.07	6.67	30.0	15.0	25000	0.69	
		15. Dadri Ghat	26/2/19	Y	Inlet	22.64	7.16	70.0	28.0	28000	1.19	3.150
					Outlet	9.18	7.01	28.6	24.0	20000	0.52	
		16. Sai Mandir	26/2/19	Y	Inlet	16.42	6.96	65.0	164.0	37000	1.42	3.083
					Outlet	0.78	7.06	26.7	11.0	24000	0.33	
		17. Naupura	26/2/19	Y	Inlet	43.71	6.68	55.0	304.0	29000	0.36	0.0267
					Outlet	21.21	7.03	28.6	144.0	21000	0.51	
		18. Afim factory colony	26/2/19	Y	Inlet	26.42	6.74	60.0	64.0	26000	0.66	0.021
					Outlet	2.00	7.01	25.0	8.0	14000	2.38	
		19.Mahala basti (Sikandpur)	26/2/19	Y	Inlet	151.28	6.41	60.0	104.0	28000	0.74	0.0181
					Outlet	8.57	7.32	26.8	8.0	19000	2.54	
		20. D.M Banglo	26/2/19	Y	Inlet	10.07	6.93	65.0	44.0	29000	2.04	3.185
					Outlet	9.07	6.98	25.0	8.0	24000	0.56	
		21. Pear nagar	26/2/19	Y	Inlet	10.57	6.82	55.0	96.0	27000	0.78	0.0249
					Outlet	8.35	7.15	28.6	24.0	21000	4.61	
		22. Bada Mahadeva (Gora Bazar)	26/2/19	Y	Inlet	1.21	6.94	50.0	48.0	26000	0.46	V-notch Not Installed
					Outlet	0.64	7.30	30.0	12.0	18000	3.82	
		23. Bada Mahadeva (Adarsh Bazar)	26/2/19	Y	Inlet	32.57	7.07	65.0	240.0	28000	0.88	V-notch Not Installed
					Outlet	0.21	7.33	30.0	8.0	14000	4.26	
16.	Shuklaganj Ganga	1.Ganga Vishu Drain	26/2/19	Y	Inlet	171.78	7.01	60.0	184.0	29000	0.20	2.130
					Outlet	156.14	70.6	26.8	76.0	25000	0.23	
		2.Indira Nagar Drain	26/2/19	Y	Inlet	208.78	6.91	55.0	208.0	32000	0.28	2.551
					Outlet	102.14	6.94	28.6	76.0	18000	0.21	
		3.Manohar Nagar Nala	26/2/19	Y	Inlet	141.14	6.91	50.0	260.0	34000	0.35	3.150
					Outlet	125.5	7.01	30.0	60.0	15000	0.32	

Beeti
8/3/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		4.Ravidas Nagar Nala	26/2/19	Y	Inlet	243.78	7.24	70.0	304.0	28000	0.20	3.017
					Outlet	69.71	7.27	26.7	96.0	1800	0.23	
17.	Unnao Ganga	1. City Jail Drain (Dakari)	26/2/19	Y	Inlet	78.92	7.55	65.0	196.0	28000	0.26	9.869
					Outlet	69.07	7.61	33.9	160.0	14000	0.56	
18.	Kanpur Ganga	1. Golaghat Nala	26/2/19	Y	Inlet	219.92	6.14	55.0	180.0	26000	0.66	1.422
					Outlet	85.00	6.93	68.0	30.0	17000	0.75	
		2. Satti Chaura	25/2/19	Y	Inlet	84.07	6.87	50.0	272.0	30000	0.47	2.211
					Outlet	64.5	6.45	28.5	48.0	21000	0.43	
		3. Guptaar Ghat drain	26/2/19	Y	Inlet	42.64	6.30	55.0	304.0	34000	0.26	3.714
					Outlet	1.70	6.85	26.8	52.0	16000	0.25	
		4.Ranighat Drain	26/2/19	Y	Inlet	121.92	6.76	50.0	308.0	37000	0.27	3.355
					Outlet	45.92	6.68	28.6	72.0	18000	0.29	
		5.Dabka ghat nala	26/2/19	Y	Inlet	40.64	6.70	45.0	172.0	35000	0.27	3.017
					Outlet	28.42	6.83	26.7	64.0	21000	0.23	
		6.Budhiya Ghat drain	26/2/19	Y	Inlet	148.64	6.62	65.0	160.0	29000	0.27	2.406
					Outlet	18.85	6.78	28.6	68.0	20000	0.28	
19.	Bithoor Ganga	1. Lakshmann ghat	25/2/19	Y	Inlet	19.64	7.21	50.0	140.0	27000	0.80	0.293
					Outlet	17.14	732	23.2	48.0	14000	1.27	
		2. Peshwa Nala	25/2/19	Y	Inlet	59.00	7.05	55.0	136.0	28000	0.25	0.116
					Outlet	2.85	7.20	21.4	44.0	18000	0.60	
		3. Bhramawart ghat	25/2/19	Y	Inlet	47.21	6.90	45.0	160.0	29000	0.20	V-notch not Installed
					Outlet	1.57	7.20	23.2	68.0	15000	0.26	
		4. Bhann drain	25/2/19	Y	Inlet	1.28	6.96	50.0	140.0	32000	0.36	0.636
					Outlet	0.35	7.32	28.5	60.0	21000	1.15	
		5. Gudhara ghat	25/2/19	Y	Inlet	12.28	7.16	55.0	532.0	35000	0.24	0.380
					Outlet	0.5	7.09	25.0	96.0	24000	0.23	
		6. Kalwari ghat	25/2/19	Y	Inlet	22.92	7.11	65.0	148.0	28000	0.47	0.285
					Outlet	10.21	7.15	25.0	44.0	17000	0.31	
		7 Lav Kush ghat 1	25/2/19	Y	Inlet	22.0	6.70	75.0	144.0	24000	1.30	V-notch Not Installed
					Outlet	12.28	6.78	28.6	40.0	14000	0.92	

Recd 5/3/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
20.	Fatehgarh Ganga	1. Hathikhana Nala	25/2/19	Y	Inlet	46.92	7.21	60.0	120.0	27000	0.47	6.348
					Outlet	42.85	6.95	26.7	92.0	7000	2.19	
21.	Farrukhabad Ganga	1. Dhimarpur Drain	25/2/19	Y	Inlet	77.35	6.78	**55.0**	**100.0**	**24000**	**0.26**	0.877
					Outlet	1.63	6.95	28.6	68.0	**12000**	**0.21**	
		2.Bhairoghat drain (Tokaghat)	25/2/19	Y	Inlet	72.14	7.05	**60.0**	**2130.0**	**27000**	**0.23**	4.095
					Outlet	21.64	7.04	25.0	96.0	**14000**	**0.27**	
22.	Prayagraj	1.Yadawpur drain	25/2/19	Y	Inlet	3.5	7.01	60.0	20.0	27000	5.30	V-notch Not Installed
					Outlet	2.85	7.13	**32.1**	12.0	21000	5.60	
		2.Drain near chachar nala	24/2/19	Y	Inlet	4.14	7.01	**55.0**	72.0	**34000**	**0.56**	1.041
					Outlet	0.92	7.91	30.0	32.0	27000	**0.35**	
		3.Near Shankar ghat drain no. 2	23/2/19	Y	Inlet	19.85	6.38	**80.0**	**156.0**	28000	**0.44**	V-notch Not Installed
					Outlet	10.71	6.84	32.1	24.0	**17000**	**0.33**	
		4.Sadiyapur-2 & ghaghar nala overflow	**24/2/19**	Y	**Inlet**	13.21	6.91	**70.0**	88.0	26000	**0.46**	0.877
					Outlet	3.92	7.10	28.6	36.0	**19000**	**2.08**	
		5.Karelabagh drain A1	24/2/19	Y	Inlet	9.21	6.65	**60.0**	**100.0**	**22000**	**0.94**	V-notch Not Installed
					Outlet	1.35	6.90	26.8	52.0	14000	**0.81**	
		6.Karelabagh drain A2	24/2/19	Y	Inlet	10.78	6.61	55.0	64.0	26000	0.74	V-notch Not Installed
					Outlet	1.5	7.03	28.6	12.0	18000	**1.96**	
		7.Drain near Arail ghat	25/2/19	Y	Inlet	2.92	7.06	**65.0**	128.0	24000	**0.90**	V-notch Not Installed
					Outlet	0.85	7.20	17.8	16.0	16000	1.33	
		8.Mahewa pasi tola drain-1	24/2/19	Y	Inlet	13.71	6.83	**60.0**	80.0	29000	**0.33**	V-notch Not Installed
					Outlet	6.35	7.06	30.0	12.0	18000	**0.47**	
		9.Mahewa pasi tola drain-2	24/2/19	Y	Inlet	4.21	7.28	**70.0**	72.0	34000	**0.73**	V-notch Not Installed
					Outlet	0.0013	7.42	**33.9**	20.0	26000	**0.74**	
		10.Mahewa pasi tola drain-3	24/2/19	Y	Inlet	5.71	7.70	**60.0**	68.0	32000	**3.16**	V-notch Not Installed
					Outlet	4.64	7.13	**35.7**	24.0	20000	0.80	
		11.Fort drain no.1	25/2/19	Y	Inlet	17.00	6.88	55.0	48.	33000	0.34	V-notch Not Installed
					Outlet	0.21	6.65	**32.1**	16.0	22000	0.31	
		12.Fort drain no.2	25/2/19	Y	Inlet	There was no place for collecting sample from inlet site.						V-notch Not Installed
					Outlet	7.07	7.38	30.0	12.0	18000	4.15	

Recd 8/3/19

सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
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NABL T 255
NABL T 256

Analysis Report of Samples

1. Name of analyzing laboratory : Aquatic Toxicology, IITR, Lucknow
2. Nature / type of sample (s) : Effluent water samples from drains
3. Date of receipt of sample (s) : Between 17.03.2019 – 20.03.2019 as detailed in the table
4. Date of Analysis : The analysis was performed on the day of sample receiving.
5. Test procedure applied : As per APHA 22nd Ed. (2012)

   Fecal Coliforms: Method no. 9221
   BOD: Method no. 5210-B
   TSS: Method no. 2540-D
   pH: Method no. 4500-H^+ B
   Color: Method no. 2120B
   DO: Maximum permissible limit > 5 mg/L
6. Results

   Results of Effluent water samples from drains with discharge more than 1 MLD.

As per attached sheets (page 1- 4)

Preeti 28/3/19
Preeti Chaturvedi
Scientist
Aquatic Toxicology Lab
CSIR- IITR, Lucknow

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प्रमुख, जलीय विषविज्ञा विभाग/Head, Aquatic Toxicology Lab
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3. The report shall not be used for any other purpose than declared by the sponsor.
4. IITR is not the regulatory agency, hence, no part of this report should be used for legal purposes under any circumstances.

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment Y/N	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100ml	DO (mg/l)	Discharge (MLD)
1.	Prayagraj Ganga	1. A.D.A. Colony Nala	18.03.19	Y	Inlet	24.85	6.73	**90.0**	100.0	78000	36000	1.03	2.701
					Outlet	20.14	6.90	**34.5**	88.0	74000	28000	3.05	
		2. Jondhwal Nala	18.03.19	Y	Inlet	144.28	6.77	**85.0**	**220.0**	86000	32000	0.87	1.185
					Outlet	31.07	6.72	**30.9**	92.0	75000	22000	3.40	
		3. Rajapur Nala	18.03.19	Y	Inlet	2.57	6.88	**75.0**	**136.0**	70000	27000	1.12	10.410
					Outlet	1.64	6.91	14.5	20.0	57000	14000	1.61	
		4. TV Tower Nala	18.03.19	Y	Inlet	5.64	6.95	**85.0**	100.0	81000	29000	0.33	2.406
					Outlet	2.28	7.01	**32.7**	88.0	62000	18000	0.81	
		5. Sadar Bazar Nala	18.03.19	Y	Inlet	53.35	7.07	**85.0**	**268.0**	64000	33000	0.13	3.286
					Outlet	46.14	7.05	**30.9**	**102.0**	57000	25000	0.67	
		6. Salori Nala(Amitabh Bacchan Culvert)	17.03.19	Y	Inlet	3.92	7.15	**70.0**	**152.0**	69000	30000	6.11	0.157
					Outlet	1.64	7.25	14.5	16.0	55000	21000	6.68	
		7. Basna Nala	17.03.19	Y	Inlet	218.07	5.77	**65.0**	**276.0**	68000	35000	**0.10**	V notch not installed properly
					Outlet	101.71	6.80	29.0	92.0	52000	28000	2.63	
2.	Prayagraj Yamuna	1. Ghaghar Nala 1-A	18.03.19	Y	Inlet	286.64	6.84	**65.0**	**176.0**	79000	37000	**0.33**	V notch not installed
					Outlet	**71.57**	6.75	29.1	72.0	**51000**	**30000**	5.05	
		2. Dariyabad Kakahraghat Drain	**18.03.19**	**Y**	**Inlet**	**353.85**	**6.61**	**60.0**	**204.0**	**63000**	**29000**	**0.06**	V notch not installed
					Outlet	53.35	5.26	27.3	76.0	**51000**	**14000**	**1.26**	
		3. Mawaiya Nala	18.03.19	Y	Inlet	18.00	6.80	**75.0**	**196.0**	**69000**	**30000**	**0.60**	21.978
					Outlet	7.28	6.96	12.7	24.0	51000	17000	0.79	
		4. Arail Drain No. 2 (Kharkauni Drain)	18.03.19	Y	Inlet	2.35	7.09	**90.0**	**208.0**	**71000**	**36000**	**1.66**	0.730
					Outlet	0.35	7.38	16.4	32.0	51000	29000	3.61	
		5. Sachcha Baba Ashram Drain	18.03.19	Y	Inlet	10.21	6.83	**65.0**	**168.0**	76000	33000	2.40	1.223
					Outlet	0.64	7.12	25.4	**104.0**	52000	27000	2.97	
		6. Ghaghar Nala 1-B	18.03.19	Y	Inlet	750.78	5.22	**55.0**	**244.0**	64000	25000	0.15	V notch removed during Holi
					Outlet	102.85	6.93	25.4	84.0	42000	19000	2.42	
		7. Near Shankar Ghat Drain No-2	17.03.19	Y	Inlet	117.42	6.96	**55.0**	96.0	67000	32000	1.40	V notch not installed
					Outlet	4.00	7.02	**30.9**	72.0	50000	19000	1.62	
		8. Sadiyapur-2 & Ghaghar Nala Overflow	18.03.19	Y	Inlet	119.35	6.43	**60.0**	**188.0**	68000	25000	0.25	V notch removed during Holi
					Outlet	6.35	7.07	29.1	80.0	**54000**	**18000**	0.62	
		9. Mahewa Pasi Tola Drain 3	17.03.19	Y	Inlet	12.57	7.02	65.0	**112.0**	80000	32000	2.43	V notch not installed
					Outlet	4.28	7.26	27.3	76.0	58000	21000	4.46	

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment Y/N	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100ml	DO (mg/l)	Discharge (MLD)
3.	Dalmau Ganga	Padva Nala/Muraibagh Shanker Nala	17.03.19	Y	Inlet	2.14	7.55	**50.0**	88.0	61000	27000	9.17	V notch not installed
					Outlet	0.14	7.67	**30.9**	68.0	48000	**21000**	10.27	
4.	Kunda Ganga	Duar Nala Babaganj	17.03.19	Y	Inlet	9.21	7.68	50.0	**108.0**	57000	30000	6.86	11.988
					Outlet	7.14	7.69	29.1	80.0	32000	**19000**	9.02	
5.	Jhunsi Ganga	1. Lotey Haren Nala	18.03.19	Y	Inlet	84.42	7.07	**75.0**	**332.0**	**62000**	**31000**	**0.44**	4.294
					Outlet	82.42	6.86	16.4	32.0	**41000**	**24000**	**1.80**	
		2. Shastri Bridge Nala (Mansahita)	18.03.19	Y	Inlet	61.21	6.77	**65.0**	**104.0**	66000	30000	**0.77**	1.041
					Outlet	8.42	7.27	29.0	72.0	**49000**	**19000**	**3.42**	
		3. Old GT Road Nala	18.03.19	Y	Inlet	53.00	7.03	**80.0**	**124.0**	69000	33000	**0.07**	3.019
					Outlet	48.85	7.12	**32.7**	**104.0**	48000	28000	**1.02**	
		4. Savitry Nagar Bazar (Jhusi)	18.03.19	Y	Inlet	63.92	7.13	**55.0**	**128.0**	62000	29000	0.88	3.702
					Outlet	43.07	7.17	29.1	**108.0**	**41000**	**21000**	**0.56**	
		5. Savitry Nagar (New Jhusi)	18.03.19	Y	Inlet	79.35	6.85	**65.0**	**124.0**	**71000**	32000	**1.06**	3.201
					Outlet	56.35	7.05	30.9	112.0	35000	27000	2.57	
		6. Kriya Yogashram	18.03.19	Y	Inlet	25.57	7.32	**75.0**	**128.0**	66000	37000	4.22	2.618
					Outlet	4.28	7.26	21.4	80.0	**49000**	**30000**	**4.77**	
		7. Primary School, Ulta Kila	18.03.19	Y	Inlet	68.00	7.31	**70.0**	**188.0**	**59000**	**29000**	**1.25**	2.112
					Outlet	25.57	7.45	29.0	**180.0**	**32000**	**18000**	**1.28**	
		8. Lakadiya Nala	18.03.19	Y	Inlet	17.14	7.26	**65.0**	52.0	**72000**	**31000**	**1.45**	4.21
					Outlet	16.14	7.37	**32.7**	36.0	**54000**	**27000**	**2.90**	
		9. Kodra nala	17.03.19	Y	Inlet	52.85	7.11	**60.0**	76.0	**62000**	**29000**	0.70	V notch not installed
					Outlet	5.00	7.19	30.9	48.0	43000	24000	2.41	
6.	Unnao Ganga	1. City jail Drain (Dakari)	18.03.19	Y	Inlet	132.85	7.73	**70.0**	100.0	**59000**	**28000**	0.40	8.592
					Outlet	120.57	7.83	**34.5**	92.0	42000	**16000**	**1.91**	
7.	Kanpur Ganga	1. Golaghat Nala	18.03.19	Y	Inlet	225.21	6.57	**70.0**	**196.0**	66000	26000	0.50	0.707
					Outlet	114.57	7.30	29.0	96.0	59000	20000	1.00	
		2. Satti Chaura	18.03.19	Y	Inlet	148.5	6.92	**55.0**	**272.0**	**70000**	31000	0.42	0.221
					Outlet	111.00	7.06	29.1	84.0	**52000**	**22000**	**2.09**	
		3. Guptaar Ghat Drain	17.03.19	Y	Inlet	62.57	6.85	**50.0**	72.0	64000	**28000**	**0.50**	2.131
					Outlet	36.21	7.02	27.3	12.0	**37000**	**14000**	1.31	
		4. Ranighat Drain	17.03.19	Y	Inlet	164.14	6.79	55.0	96.0	75000	32000	0.18	2.406
					Outlet	154.85	6.86	29.0	84.0	51000	21000	2.50	
		5. Dabka ghat Nala	18.03.19	Y	Inlet	148.14	7.03	**65.0**	**204.0**	62000	26000	0.17	7.419
					Outlet	134.28	7.12	27.0	80.0	33000	19000	0.45	

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Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment Y/N	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100ml	DO (mg/l)	Discharge (MLD)
		6. Budhiya Ghat	18.03.19	Y	Inlet	221.28	6.90	**60.0**	**188.0**	68000	29000	0.62	0.381
					Outlet	191.5	7.13	25.5	**108.0**	41000	21000	0.79	
8.	Shuklaganj Ganga	1. Ganga Vishnu Drain	18.03.19	Y	Inlet	133.42	6.87	**60.0**	**244.0**	71000	31000	0.12	1.937
					Outlet	128.57	7.17	29.1	64.0	52000	**19000**	1.38	
		2. Indira Nagar Drain	18.03.19	Y	Inlet	193.78	7.08	**55.0**	**144.0**	78000	**35000**	0.22	3.714
					Outlet	116.00	7.10	27.2	84.0	49000	28000	0.50	
		3. Manohar Nagar Nala	18.03.19	Y	Inlet	291.14	6.67	**80.0**	**136.0**	72000	32000	0.44	1.231
					Outlet	142.35	7.17	29.1	96.0	60000	**24000**	**0.73**	
		4. Ravidas Nagar Nala	18.03.19	Y	Inlet	202.28	7.37	**60.0**	**264.0**	80000	36000	0.75	3.286
					Outlet	193.21	7.50	29.0	84.0	59000	27000	2.08	
9.	Fatehgarh Ganga	1. Hathikhana Nala	17.03.19	Y	Inlet	76.5	7.10	**60.0**	**140.0**	79000	32000	0.15	6.555
					Outlet	25.71	7.09	29.5	96.0	61000	**21000**	1.38	
10.	Ballia Ganga	Kathar Nala at the around of Ballia City	19.03.19	Y	Inlet	36.4	7.04	**55.0**	**236.0**	74000	27000	1.38	16.989
					Outlet	4.92	7.06	27.3	96.0	46000	18000	1.07	
11.	Mughalsarai Ganga	1. Railway Drain	19.03.19	Y	Inlet	76.28	6.92	**50.0**	**204.0**	**66000**	**32000**	**2.12**	8.901
					Outlet	62.63	7.01	20.0	80.0	**54000**	**25000**	**2.90**	
		2. Ganda Drain	19.03.19	Y	Inlet	7.85	7.25	**70.0**	**188.0**	**68000**	**29000**	**3.70**	3.555
					Outlet	4.78	7.29	29.1	92.0	51000	21000	4.02	
12.	Varanasi Ganga	1. Nakkhi Drain	19.03.19	Y	Inlet	101.5	7.03	**90.0**	**244.0**	70000	**36000**	3.17	1.708
					Outlet	8.37	7.15	29.1	52.0	46000	29000	4.11	
		2. Samneghat Drain	19.03.19	Y	Inlet	264.42	6.86	**80.0**	**192.0**	72000	31000	2.22	1.112
					Outlet	169.14	6.51	29.0	72.0	43000	19000	4.15	
		3. Assi Ghat	18.03.19	Y	Inlet	56.78	6.63	**95.0**	**156.0**	63000	27000	2.80	V notch not installed
					Outlet	55.64	6.74	**36.4**	**104.0**	40000	19000	3.76	
13.	Zamania Ganga	1. Kankarwa Drain	17.03.19	Y	Inlet	47.07	7.11	**50.0**	**200.0**	62000	21000	1.62	0.107
					Outlet	20.07	7.20	27.3	80.0	51000	16000	2.90	
		2. Karpurimai Ghat Drain	17.03.19	Y	Inlet	38.64	7.03	**65.0**	**248.0**	64000	**28000**	**2.50**	1.223
					Outlet	20.35	7.05	29.0	96.0	52000	**20000**	2.79	
14.	Farrukhaba Ganga	1. Dhimarpur Drain	17.03.19	Y	Inlet	103.71	7.07	**70.0**	**116.0**	68000	29000	0.40	0.381
					Outlet	76.21	7.12	27.3	76.0	57000	**21000**	0.94	
		2. Bhairo Ghat drain (Tokaghat)	17.03.19	Y	Inlet	130.00	7.08	**65.0**	100.0	71000	**31000**	0.16	3.902
					Outlet	73.92	7.05	29.1	84.0	58000	**20000**	1.46	
15.	Ramnagar Ganga	1. Rambhag Ghat Drain	19.03.19	Y	Inlet	90.35	6.86	**50.0**	**268.0**	62000	32000	3.94	8.289
					Outlet	75.92	6.94	29.0	96.0	51000	**21000**	5.27	

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S. no.	City & River	Drain	Date of Sampling	Treatment Y/N	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100ml	DO (mg/l)	Discharge (MLD)
16.	Ghazipur Ganga	1. Anzahi Ghat	18.03.19	Y	Inlet	482.78	3.90	**55.0**	**152.0**	62000	24000	1.73	4.056
					Outlet	102.85	6.78	25.4	80.0	42000	18000	2.34	
		2. Stimer ghat	18.03.19	Y	Inlet	500.35	7.01	**50.0**	72.0	68000	29000	**0.06**	0.107
					Outlet	291.14	7.05	23.6	60.0	49000	21000	4.0	
		3. Collecter Ghat	18.03.19	Y	Inlet	169.14	6.62	**55.0**	100.0	79000	36000	1.05	3.083
					Outlet	16.35	7.08	29.1	76.0	58000	28000	4.26	
		4. Dadri Ghat	18.03.19	Y	Inlet	48.71	6.98	**50.0**	**112.0**	66000	26000	0.24	1.422
					Outlet	38.71	7.16	25.4	88.0	42000	19000	3.58	
		5. Sai Mandir	18.03.19	Y	Inlet	65.42	7.28	**55.0**	92.0	63000	30000	0.77	3.217
					Outlet	51.78	6.88	27.3	76.0	41000	15000	3.98	
		6. D.M Banglo	18.03.19	Y	Inlet	4.85	7.04	**60.0**	88.0	72000	35000	**1.5**	2.130
					Outlet	1.85	7.17	29.1	56.0	58000	24000	3.05	
		7. Bada Mahadeva (Gora Bazar)	18.03.19	Y	Inlet	41.5	7.10	**55.0**	96.0	64000	31000	0.58	1.223
					Outlet	6.64	7.23	23.6	16.0	**43000**	**24000**	**3.50**	
		8. Bada Mahadeva (Adarsh Bazar)	18.03.19	Y	**Inlet**	**131.85**	**7.26**	**55.0**	84.0	**71000**	**32000**	**0.33**	1.300
					Outlet	**48.21**	7.23	25.4	76.0	**58000**	**21000**	**2.96**	
17.	Mirzapur Ganga	1. Bisundarpur Drain	18.03.19	Y	Inlet	4.21	6.91	**50.0**	**160.0**	64000	29000	**2.21**	0.381
					Outlet	1.57	7.02	23.6	88.0	39000	21000	5.15	
		2. Morcha Ghar Drain	18.03.19	Y	Inlet	89.35	6.77	**55.0**	**204.0**	73000	32000	**2.03**	0.482
					Outlet	38.42	7.04	27.3	96.0	58000	27000	5.40	
		3. Ggoreshahid Drain	18.03.19	Y	Inlet	7.71	6.95	**50.0**	**168.0**	70000	36000	**3.27**	V notch not installed
					Outlet	6.78	6.94	29.1	80.0	51000	22000	**4.20**	
		4. Balaji Temple	18.03.19	Y	Inlet	**Tapped Drain**							V notch not installed
					Outlet	75.42	7.04	16.4	80.0	46000	26000	5.29	
		5. Khandawa	18.03.19	Y	Inlet	58.42	7.05	**65.0**	**192.0**	71000	24000	4.60	9.869
					Outlet	26.42	6.96	27.3	92.0	39000	15000	**2.80**	
		6. Basvariya Drain	18.03.19	Y	Inlet	30.14	7.08	**55.0**	**276.0**	62000	27000	4.60	0.877
					Outlet	26.21	7.10	23.6	92.0	46000	18000	5.80	
18.	Saidpur Ganga	1. Ward no.15 Malhiya Basti Drain	18.03.19	Y	Inlet	82.35	6.98	**55.0**	**184.0**	69000	25000	2.69	0.157
					Outlet	58.35	7.04	25.4	84.0	38000	17000	6.85	

Values in bold indicate the levels beyond NMCG limits

Beeli 28/3/19

सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
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सीएसआईआर-आईआईटीआर /आरपीबीडी-974/2019
अप्रैल 23, 2019

श्री श्रीहरि प्रताप शाही
अपर परियोजना निदेशक
स्वच्छ गंगा- राज्य मिशन यूपी
प्लॉट नंबर 18, सेक्टर -7, गोमती नगर एक्सटेंशन
लखनऊ-226010

358
0373/47
23/04/2019

संदर्भ: उत्तर प्रदेश में नालियों के बायोरेमेडिएशन / मॉड्यूलर उपचार के तीसरे पक्ष के निरीक्षण (टीपीआई) के संदर्भ में।

विषय: 08 अप्रैल, 2019 से 12 अप्रैल, 2019 के दौरान एकत्रित नमूनों की विश्लेषण रिपोर्ट

श्रीमान श्री शाही जी,

उपर्युक्त विषय के बारे में आपके पत्र क्रमांक 1324/03/एसएमसीजी/44 दिनांक 26 नवंबर 2018 के संदर्भ में सूचित करना है कि सीएसआईआर-आईआईटीआर द्वारा दिनांक 08 अप्रैल, 2019 से 12 अप्रैल, 2019 के दौरान उत्तर प्रदेश के विभिन्न स्थानों पर गंगा व यमुना में निर्गमन के लिए निर्दिष्ट नालों से नमूनों का एकत्रण तथा विश्लेषण पूरा कर लिया गया है जिसकी विश्लेषण रिपोर्ट संलग्न की जा रही है।

कृपया पावती की सूचना प्रदान करें।

CE | Sh Arvind-SWMS

धन्यवाद,

25/04/2019
CE.

भवदीय
23/4
प्रमुख, आरपीबीडी

डॉ० के० सी० खुल्बे / Dr. KC Khulbe
प्रमुख, अनुसंधान योजना एवं व्यापार विकास प्रभाग
Head, Research Planning & Business Development Division
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संलग्नक: उपर्युक्त रिपोर्ट
APD

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NABL T 255
NABL T 256

Analysis Report of Samples

1. Name of analyzing laboratory : Aquatic Toxicology, IITR, Lucknow
2. Nature / type of sample (s) : Effluent water samples from drains
3. Date of receipt of sample (s) : Between 08.04.2019 – 12.04.2019 as detailed in the table
4. Date of Analysis : The analysis was performed on the day of sample receiving.
5. Test procedure applied : As per APHA 22nd Ed. (2012)

   Total and Fecal Coliforms: Method no. 9221
   BOD: Method no. 5210-B
   TSS: Method no. 2540 D
   pH: Method no. 4500-H^+ B
   Color: Method no. 2120B
   DO: Maximum permissible limit > 5 mg/L
   COD: Method no. 5220-C
6. Results — Results of Effluent water samples from drains with discharge more than 1 MLD as well as drains with discharge less than 1 MLD.

   As per attached sheets (1 to 10)

23/04/19
Preeti Chaturvedi
Scientist
Aquatic Toxicology Lab
CSIR- IITR, Lucknow

1. The results relate only to the item(s) tested.
2. The report shall not be reproduced in fragment without the written approval of Director, IITR.
3. The report shall not be used for any other purpose than declared by the sponsor.
4. IITR is not the regulatory agency, hence, no part of this report should be used for legal purposes under any circumstances.

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
1	Prayagraj Ganga	1. A.D.A Colony Nala	08.04.19	Y	Inlet	73.85	6.42	72.7	288.0	164.0	84000	39000	0.56	2.130
					Outlet	50.71	6.71	37.9	144.0	156.0	68000	30000	0.79	
		2. Jondhwal Nala	08.04.19	Y	Inlet	116.28	6.70	81.8	256.0	256.0	76000	32000	0.89	1.223
					Outlet	59.35	6.87	39.6	128.0	220.0	59000	27000	2.37	
		3. Rajapur Nala	08.04.19	Y	Inlet	25.14	7.02	68.2	288.0	184.0	62000	33000	0.17	27.757
					Outlet	6.85	6.98	15.5	64.0	16.0	58000	24000	1.27	
		4. TV Tower Nala	08.04.19	Y	Inlet	119.85	6.87	63.6	304.0	284.0	80000	38000	0.09	9.217
					Outlet	99.21	6.97	34.5	144.0	264.0	69000	28000	0.79	
		5. Sadar Bazar Nala	08.04.19	Y	Inlet	29.71	6.81	68.2	304.0	188.0	75000	32000	0.13	4.499
					Outlet	6.00	7.01	36.2	152.0	168.0	62000	26000	0.31	
		6. Shivkuti Drain No.1	08.04.19	Y	Inlet	4.57	6.83	59.1	272.0	252.0	82000	35000	0.28	0.878
					Outlet	2.92	7.05	27.6	136.0	48.0	64000	28000	2.42	
		7. Shivkuti Drain No.2	08.04.19	Y	Inlet	5.78	6.92	54.5	256.0	116.0	54000	24000	0.28	0.878
					Outlet	0.78	6.93	29.3	152.0	8.0	31000	2100	3.60	
		8.Salori Nala (Amitabh Bacchan Culvert)	09.04.19	Y	Inlet	69.35	7.13	72.7	320.0	204.0	59000	28000	0.76	0.039
					Outlet	8.21	7.05	17.2	80.0	16.0	41000	11000	3.54	
		8. Baluaghat JCC Backside	09.04.19	Y	Inlet	125.14	6.43	59.1	288.0	104.0	77000	32000	0.69	V-Notch not installed
					Outlet	11.28	6.85	27.6	128.0	8.0	65000	24000	1.05	
		10. Basna Nala	08.04.19	Y	Inlet	45.64	6.50	54.5	304.0	76.0	83000	34000	0.33	V-Notch not installed properly
					Outlet	10.07	6.82	18.9	144.0	36.0	69000	21000	2.42	
		11.Shankarghat colony drain (Near phaphamau bridge)	11.04.19	Y	Inlet	4.42	6.90	59.1	320.0	220.0	77000	33000	1.47	V-Notch not installed
					Outlet	1.28	7.08	31.0	136.0	188.0	68000	21000	2.24	
		12. Arail Road Bridge Nala	10.04.19	Y	Inlet	6.21	7.03	59.1	368.0	176.0	78000	29000	1.90	5.850
					Outlet	2.85	7.19	15.5	72.0	20.0	62000	21000	2.98	
2	Prayagraj Yamuna	1. Karela Bagh Drain	09.04.19	N	Inlet	57.42	6.79	81.0	320.0	264.0	76000	24000	0.19	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		2. Ghaghar Nala 1-A	09.04.19	Y	Inlet	237.00	6.01	77.3	352.0	224.0	78000	28000	0.31	V-Notch not installed properly
					Outlet	52.78	6.63	25.8	160.0	72.0	62000	13000	2.35	
		3. Ghaghar Nala 1-A1	09.04.19	Y	Inlet	174.00	6.30	77.3	320.0	204.0	55000	20000	0.11	V-Notch not installed
					Outlet	136.57	6.79	29.3	168.0	56.0	41000	1800	3.34	

Values in bold indicate the levels beyond NMCG limits

Reeti 23/04/19

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discha (MLD)
		4. Dariyabad Kakahraghat Drain	09.04.19	Y	Inlet	91.85	6.33	68.2	336.0	316.0	61000	26000	0.88	V-Notch not installed properly
					Outlet	68.71	6.70	27.6	184.0	92.0	49000	10000	3.82	
		5. Dariyabad Pipalghat Drain	09.04.19	Y	Inlet	103.78	6.63	63.6	368.0	344.0	69000	22000	1.35	V-Notch not installed
					Outlet	88.21	6.81	27.5	**176.0**	76.0	**51000**	**12000**	**1.34**	
		6. Dariyabad Jogighat Drain	09.04.19	Y	Inlet	142.85	6.86	**63.6**	**384.0**	**380.0**	62000	28000	**0.51**	V-Notch not installed
					Outlet	96.64	6.35	25.8	**128.0**	52.0	**47000**	**10000**	**0.83**	
		7. Mawaiya Nala	11.04.19	Y	Inlet	22.21	6.87	77.3	288.0	**316.0**	60000	31000	0.12	26.536
					Outlet	7.57	6.97	13.8	80.0	28.0	49000	**16000**	2.10	
		8. Mahewa Ghat Drain No. 1	09.04.19	N	Inlet	27.42	6.73	**54.5**	304.0	**180.0**	69000	34000	0.62	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		9. Mahewa Ghat Drain No. 2	09.04.19	Y	Inlet	4.71	6.97	**54.5**	288.0	244.0	66000	27000	0.06	V-Notch not installed
					Outlet	0.78	7.19	**32.7**	120.0	60.0	49000	13000	**0.43**	
		10. Arail Drain No. 2 (Kharkauni Drain)	10.04.19	Y	Inlet	6.72	7.15	**68.2**	320.0	**116.0**	**70000**	25000	1.15	0.293
					Outlet	3.64	7.21	20.7	160.0	80.0	52000	**15000**	3.59	
		11. Ghaghar Nala 1-B	09.04.19	Y	Inlet	353.21	6.16	**63.6**	**336.0**	**128.0**	**67000**	**28000**	**1.36**	V-Notch not installed
					Outlet	126.35	6.63	27.6	**152.0**	24.0	**44000**	**15000**	**1.42**	
		12. Sachcha Baba Ashram Drain	10.04.19	Y	Inlet	4.85	6.98	**59.1**	**368.0**	**164.0**	**63000**	**32000**	**1.66**	0.068
					Outlet	0.78	7.23	25.8	136.0	80.0	49000	19000	2.16	
3	Jhunsi Ganga	1. Lotey Haren Nala	11.04.19	Y	Inlet	73.07	7.04	**59.1**	**304.0**	**192.0**	**61000**	25000	**0.11**	6.871
					Outlet	41.71	7.09	12.1	72.0	12.0	**47000**	**10000**	**1.16**	
		2. Shastri Bridge Nala	10.04.19	Y	Inlet	41.92	7.09	63.6	320.0	152.0	62000	29000	1.90	0.013
					Outlet	8.21	7.21	27.6	**136.0**	12.0	**45000**	**12000**	**2.54**	
		3. Old GT road Nala	11.04.19	Y	Inlet	28.92	7.15	**63.6**	**336.0**	**336.0**	**66000**	**21000**	**1.25**	3.355
					Outlet	11.35	7.16	**32.7**	**128.0**	**292.0**	**51000**	**14000**	**1.41**	
		4. Savitry Nagar Bajar (New Jhunsi)	11.04.19	Y	Inlet	45.71	6.87	**54.5**	**272.0**	**264.0**	**64000**	**27000**	**0.33**	4.095
					Outlet	8.57	6.84	**31.0**	**136.0**	**212.0**	**50000**	**19000**	**1.03**	
		5. Savitry Nagar (New Jhusi)	11.04.19	Y	Inlet	64.57	6.72	**68.2**	256.0	**116.0**	62000	30000	0.46	3.714
					Outlet	38.57	7.15	**31.0**	128.0	52.0	49000	13000	1.79	
		6. Kriya Yogashram	11.04.19	Y	Inlet	36.07	6.98	**68.2**	288.0	**124.0**	65000	24000	0.64	3.017
					Outlet	26.85	7.31	22.4	144.0	28.0	**51000**	**12000**	**3.60**	

Values in bold indicate the levels beyond NMCG limits

Brett 23/04/19

Values in bold indicate the levels beyond NMCG limits

S.No.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discha... (MLD)
		7. Primary School, Ulta Kila	11.04.19	Y	Inlet	57.28	7.35	54.5	288.0	160.0	61000	32000	0.46	2.985
					Outlet	28.42	7.36	24.1	136.0	20.0	49000	24000	0.94	
		8. Lakadiya Nala	11.04.19	Y	Inlet	6.92	7.31	54.5	256.0	300.0	71000	36000	1.70	4.294
					Outlet	4.14	7.44	32.7	128.0	256.0	56000	28000	2.46	
		9. Kodra nala	10.04.19	Y	Inlet	48.85	7.05	59.1	288.0	404.0	62000	32000	1.53	V-Notch not installed
					Outlet	8.92	7.18	31.0	144.0	380.0	53000	19000	2.97	
		10. Gangoli Shivala	10.04.19	Y	Inlet	193.07	6.77	54.5	256.0	184.0	52000	23000	0.88	V-Notch not installed
					Outlet	20.92	7.25	27.6	160.0	60.0	31000	14000	1.46	
		11.Small drain near Primary School II	10.04.19	Y	Inlet	59.92	6.61	50.0	304.0	144.0	66000	26000	0.19	V-Notch not installed
					Outlet	6.50	7.37	32.7	168.0	28.0	46000	15000	4.43	
		12.Vat Vriksha drain	10.04.19	Y	Inlet	131.21	7.03	54.5	336.0	140.0	60000	30000	0.37	V-Notch not installed
					Outlet	1.92	7.39	27.6	176.0	24.0	44000	19000	3.40	
4	Manikpur Ganga	1. Prathmik Vidyalaya	08.04.19	N	Inlet	37.28	7.01	54.5	288.0	320.0	75000	39000	0.53	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		2. Mallahan Tola	08.04.19	N	Inlet	38.78	7.67	59.0	304.0	352.0	79000	35000	2.56	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site as the drain was TAPPED for irrigation purpose.								
5	Kunda Ganga	1. Duar Nala Babaganj	08.04.19	Y	Inlet	6.43	7.65	54.5	320.0	248.0	72000	36000	7.53	11.988
					Outlet	6.50	7.67	32.7	80.0	88.0	55000	24000	6.59	
6	Dalmau Ganga	1. Nala between Bada Math and Chhota Math	08.04.19	-	Inlet	Dry drain. No discharge was found at the time of sampling.								V-Notch not installed
					Outlet									
		2. Busda ghat ka nala/(Sherandajpur)	08.04.19	N	Inlet	6.78	7.15	59.1	304.0	328.0	81000	41000	1.26	V-Notch not installed
					Outlet	The drain was partially tapped and NO TREATMENT was found on the site.								
		3. Shukla ghat ka nala/(Sherandajpur)	08.04.19	N	Inlet	0.28	7.26	54.5	256.0	208.0	76000	39000	1.88	V-Notch not installed
					Outlet	Tapped Drain								
		4. Pathvari ghat ka nala /(Tikaitganj)	08.04.19	N	Inlet	8.71	7.01	45.4	288.0	224.0	81000	45000	0.85	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		5. Shivala ghat nala	08.04.19	-	Inlet	The drain is in dry condition due to constructional work at the site.								V-Notch not installed
					Outlet									
		6. Raja Tiloi Ghat Nala (Gaora ghat)	08.04.19	-	Inlet	No discharge was found at the time of sampling.								V-Notch not installed
					Outlet									
		7. Padva Nala / (Muraibagh) Shankar Nagar	08.04.19	N	Inlet	49.71	7.45	63.6	272.0	300.0	82000	40000	4.54	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								

Beeli 23/04/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100ml	DO (mg/l)	Discharge (MLD)
		8. Soarakh ghat Muroop Nala	08.04.19	N	Inlet	19.00	7.33	50.0	304.0	320.0	78000	38000	2.08	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		9. Mushkatpal nala	08.04.19	-	Inlet	Dry drain. No discharge was found at the time of sampling.								V-Notch not installed
					Outlet									
7.	Chunar Ganga	1. Dargahsharaeef nala	09.04.19	Y	Inlet	67.14	6.79	**50.0**	304.0	96.0	81000	35000	**0.97**	0.013
					Outlet	0.71	7.22	24.1	168.0	16.0	63000	26000	**2.26**	
		2. Bhairamganj east nala	09.04.19	Y	Inlet	66.92	7.24	**45.5**	336.0	**128.0**	**70000**	32000	**0.56**	0.004
					Outlet	63.35	7.40	24.1	160.0	48.0	58000	21000	**2.34**	
		3. Bhairamganj west nala	09.04.19	Y	Inlet	190.92	6.43	**50.0**	352.0	**1136.0**	62000	21000	**0.38**	0.039
					Outlet	59.57	6.90	25.8	136.0	124.0	40000	2200	**0.96**	
		4. Tekaur basti north	09.04.19	-	Inlet	**Dry drain. No discharge was found at the time of sampling.**								V-Notch is installed
					Outlet									
		5. Tekaur basti south	09.04.19	Y	Inlet	19.35	6.97	**50.0**	**288.0**	**104.0**	**77000**	36000	**2.46**	0.068
					Outlet	4.00	7.00	22.4	**130.0**	48.0	60000	24000	**1.69**	
		6. Santoshi mata mandir nala	09.04.19	Y	Inlet	13.28	7.20	**54.5**	**304.0**	**112.0**	**60000**	**30000**	**3.43**	0.053
					Outlet	9.35	7.39	20.7	**136.0**	32.0	**41000**	**12000**	**4.04**	
		7. Post office south drain	**09.04.19**	**-**	**Inlet**	**No discharge was found at the time of sampling.**								**V-Notch is installed**
					Outlet									
		8. Post office north drain	09.04.19	Y	Inlet	208.85	7.19	**50.0**	**288.0**	**184.0**	58000	24000	**0.27**	0.013
					Outlet	30.21	6.43	27.6	**160.0**	56.0	32000	7000	**2.21**	
		9. Gangeshwar nishad park drain	09.04.19	-	Inlet	**Dry drain.**								V-Notch not installed
					Outlet									
		10. Balughat drain	09.04.19	Y	Inlet	196.21	7.18	**59.1**	272.0	248.0	54000	22000	**4.42**	0.381
					Outlet	7.07	7.30	25.8	**168.0**	56.0	**31000**	**14000**	**3.59**	
		11. Balbeer ghat drain	09.04.19	Y	Inlet	9.78	6.80	**72.7**	**304.0**	**380.0**	**60000**	20000	**1.41**	0.068
					Outlet	2.00	7.02	24.1	**160.0**	68.0	**37000**	9000	**2.38**	
		12. Choura mata drain	09.04.19	Y	Inlet	18.71	6.75	**59.1**	**320.0**	**128.0**	**51000**	26000	**1.21**	0.107
					Outlet	18.57	6.90	29.3	**176.0**	40.0	**34000**	**10000**	**2.83**	
8.	Mirzapur Ganga	1. Bisundarpur Drain	10.04.19	Y	Inlet	2.92	6.99	**63.6**	**336.0**	**140.0**	**55000**	21000	**1.55**	0.381
					Outlet	1.71	7.11	22.4	**168.0**	44.0	**42000**	14000	**3.04**	
		2. Hanuman ghat drain	10.04.19	Y	Inlet	87.00	6.77	**54.5**	**256.0**	**132.0**	**52000**	21000	**2.55**	0.158
					Outlet	17.71	7.00	27.6	**136.0**	4.0	**40000**	2400	**3.04**	

Beeti
23/04/19

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		3. Barahmiliah drain	10.04.19	Y	Inlet	31.28	6.90	50.0	288.0	104.0	56000	24000	0.72	0.107
					Outlet	4.00	7.07	29.3	120.0	28.0	38000	12000	4.07	
		4. Irrigation colony drain	10.04.19	Y	Inlet	35.28	6.93	50.0	272.0	320.0	56000	26000	0.55	0.381
					Outlet	10.42	7.19	22.4	168.0	108.0	24000	17000	4.88	
		5. Morcha Ghar Drain	10.04.19	Y	Inlet	17.64	6.87	54.5	320.0	356.0	60000	20000	1.76	0.598
					Outlet	13.92	7.09	24.1	184.0	80.0	42000	11000	5.51	
		6.Ggoreshahid Drain	10.04.19	Y	Inlet	7.78	7.05	54.5	384.0	176.0	61000	28000	1.78	5.850
					Outlet	3.42	7.01	20.7	176.0	60.0	34000	15000	1.42	V-Notch not installed properly
		7.Balaji temple	10.04.19	Y	Inlet	41.69	6.46	54.5	400.0	128.0	54000	21000	0.68	V-Notch not installed properly
					Outlet	19.71	6.83	24.1	160.0	28.0	30000	9000	2.42	
		8.Chorawa	10.04.19	Y	Inlet	7.00	7.04	59.0	336.0	112.0	50000	24000	1.37	0.053
					Outlet	1.42	7.34	25.8	168.0	44.0	32000	12000	3.52	
		9.Khandawa	10.04.19	Y	Inlet	12.92	7.14	54.5	320.0	120.0	51000	28000	2.14	17.926
					Outlet	11.85	7.10	24.1	176.0	44.0	30000	15000	3.17	
		10.Basvariya Drain	08.04.19	Y	Inlet	47.78	6.94	63.6	336.0	104.0	52000	22000	1.62	2.701
					Outlet	46.64	6.84	27.6	168.0	12.0	31000	7900	5.15	
		11.Balughat Kacha Drain	08.04.19	Y	Inlet	10.28	7.03	59.0	320.0	256.0	55000	26000	1.99	0.482
					Outlet	9.42	6.99	29.3	136.0	56.0	33000	13000	2.09	
		12.Malhaya drain	08.04.19	Y	Inlet	10.50	6.62	81.8	304.0	124.0	61000	36000	2.72	0.730
					Outlet	7.50	6.75	27.6	126.0	48.0	49000	21000	3.55	
		13.Patengra (mansarovar)drain	08.04.19	Y	Inlet	8.28	6.61	50.0	256.0	108.0	50000	25000	3.24	0.730
					Outlet	8.07	7.04	25.9	160.0	12.0	31000	12000	4.17	
		14. District judge	10.04.19	-	-	The drain is merged with Irrigation Colony drain.								
9.	Saidpur Ganga	1. Jauhargaj drain	10.04.19	Y	Inlet	150.71	7.01	54.5	320.0	420.0	66000	34000	4.29	0.019
					Outlet	29.57	7.05	27.6	152.0	104.0	52000	21000	3.49	
		2. Rangmahal ghat drain	10.04.19	Y	Inlet	69.35	7.45	50.0	368.0	676.0	60000	30000	4.07	0.380
					Outlet	29.00	7.26	29.3	160.0	136.0	49000	19000	3.30	
		3. Ward No. 15 Malhiya Basti Drain	10.04.19	Y	Inlet	101.21	7.40	59.1	288.0	740.0	62000	32000	2.76	0.039
					Outlet	0.14	7.54	25.8	128.0	108.0	51000	21000	3.34	

Values in bold indicate the levels beyond NMCG limits

Beeti 23/04/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms MPN/100 ml	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		4. Mahaveer ghat drain	10.04.19	Y	Inlet	143.57	7.23	63.6	352.0	2144.0	70000	30000	2.59	0.039
					Outlet	41.21	7.25	27.6	136.0	284.0	52000	14000	2.76	
		5. Sanghat ghat drain	10.04.19	Y	Inlet	467.92	7.11	68.2	288.0	2372.0	68000	31000	2.61	0.107
					Outlet	74.35	7.27	29.3	144.0	296.0	53000	21000	2.62	
		6. Pakka ghat dain	10.04.19	Y	Inlet	160.35	7.08	50.0	256.0	3200.0	69000	32000	2.48	0.157
					Outlet	1.07	7.28	25.8	128.0	640.0	52000	21000	2.96	
		7. Budenath mahadev ghat drain	10.04.19	Y	Inlet	161.64	7.37	54.5	320.0	2900.0	65000	25000	2.48	0.039
					Outlet	0.21	7.39	24.1	152.0	300.0	51000	16000	3.17	
		8. Kot ghat	10.04.19	Y	Inlet	35.85	7.47	68.1	272.0	3808.0	63000	32000	2.67	0.107
					Outlet	29.85	7.24	22.4	160.0	566.0	47000	13000	2.22	
10.	Ramnagar Ganga	1. Rambhag Ghat Drain	09.04.19	Y	Inlet	59.78	6.80	72.7	256.0	76.0	65000	33000	3.23	15.205
					Outlet	23.28	6.69	27.6	144.0	28.0	50000	24000	4.48	
		2. Balua ghat drain	09.04.19	Y	Inlet	53.92	6.73	63.6	320.0	392.0	60000	32000	2.84	0.380
					Outlet	51.28	6.84	20.7	120.0	72.0	48000	20000	2.79	
		3.Shakti ghat drain	09.04.19	Y	Inlet	59.00	6.73	59.1	288.0	744.0	62000	34000	2.58	0.380
					Outlet	56.07	6.84	25.8	136.0	184.0	50000	26000	3.72	
		4. Salotri ghat drain	09.04.19	Y	Inlet	75.00	6.80	68.2	352.0	352.0	52000	21000	3.09	No flow through V-notch *
					Outlet	67.21	6.76	20.7	144.0	84.0	36000	2000	3.69	
		5. Hanuman ghat drain	09.04.19	Y	Inlet	15.92	6.80	63.6	304.0	1256.0	55000	26000	3.80	No flow through V-notch *
					Outlet	3.35	6.61	25.8	128.0	100.0	31000	2400	3.53	
11.	Varanasi Ganga	1. Nakkhi Drain	09.04.19	Y	Inlet	151.14	6.92	63.6	384.0	392.0	50000	20000	3.79	10.548
					Outlet	22.42	7.09	18.9	136.0	92.0	32000	11000	3.46	
		2. Samneghat Drain	09.04.19	Y	Inlet	26.84	6.79	54.5	320.0	220.0	66000	30000	3.70	4.095
					Outlet	12.57	6.87	24.1	144.0	104.0	54000	19000	4.23	
		3. Assi drain	09.04.19	Y	Inlet	60.50	6.86	50.0	288.0	96.0	62000	32000	2.65	V-Notch not installed
					Outlet	54.35	6.75	25.9	184.0	32.0	51000	21000	3.08	
12.	Mughalsarai Ganga	1. Railway Drain	08.04.19	Y	Inlet	40.78	6.66	50.0	320.0	420.0	59000	34000	2.71	15.205
					Outlet	0.42	6.87	25.6	160.0	92.0	41000	20000	2.90	
		2. Ganda Drain	08.04.19	Y	Inlet	56.28	7.15	77.3	352.0	144.0	53000	22000	2.73	3.714
					Outlet	3.35	7.20	27.6	152.0	36.0	38000	12000	3.97	

* The drain is diverted for irrigation purpose.

Preeti
23/04/19.

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100 ml	DO (mg/l)	Disch. (MLD)
13.	Ballia Ganga	1.Kathar Nala at the around of Ballia city	10.04.19	Y	Inlet	69.21	7.03	54.5	272.0	232.0	75000	39000	1.90	14.358
					Outlet	23.85	7.17	18.9	160.0	44.0	61000	30000	4.30	
14.	Zamania Ganga	1. Gorawa drain	08.04.19	Y	Inlet	31.20	6.80	77.3	256.0	168.0	84000	41000	2.40	1.041
					Outlet	29.14	7.12	22.4	128.0	56.0	65000	29000	3.10	
		2. Kankarwa Drain	08.04.19	Y	Inlet	9.14	7.07	63.6	288.0	240.0	70000	35000	2.31	0.107
					Outlet	3.00	7.23	24.1	144.0	24.0	54000	21000	3.71	
		3. Karpurimai Ghat Drain	08.04.19	Y	Inlet	11.42	6.78	54.5	304.0	48.0	72000	38000	2.50	0.219
					Outlet	8.71	7.10	24.1	153.0	8.0	60000	26000	3.72	
15.	Ghazipur Ganga	1. Harizan ghat	09.04.19	Y	Inlet	52.21	6.85	54.5	320.0	320.0	87000	42000	2.21	0.107
					Outlet	1.28	7.05	25.6	176.0	64.0	69000	30000	2.47	
		2. Samshan ghat	09.04.19	Y	Inlet	5.00	7.06	63.6	352.0	192.0	72000	36000	2.61	1.223
					Outlet	3.00	6.81	27.6	144.0	64.0	60000	24000	3.32	
		3. Rui Mandi	09.04.19	Y	Inlet	7.78	6.74	59.1	272.0	176.0	77000	38000	2.93	0.598
					Outlet	3.71	6.99	29.3	112.0	48.0	64000	23000	4.04	
		4. Budhava mahadeva	09.04.19	Y	Inlet	33.71	6.81	63.6	288.0	120.0	65000	30000	2.10	0.730
					Outlet	2.72	7.06	27.5	128.0	32.0	51000	22000	3.80	
		5. Mugal pura	09.04.19	Y	Inlet	477.20	7.02	50.0	304.0	128.0	78000	39000	1.99	0.019
					Outlet	2.28	7.22	27.6	80.0	36.0	62000	27000	3.01	
		6. Posta ghat	09.04.19	Y	Inlet	9.71	7.15	59.1	288.0	204.0	75000	37000	2.00	0.157
					Outlet	6.00	7.26	29.3	112.0	40.0	62000	24000	3.99	
		7. Khirki ghat	09.04.19	Y	Inlet	171.57	6.58	54.5	320.0	320.0	61000	25000	2.10	0.039
					Outlet	4.57	7.21	29.3	128.0	68.0	52000	11000	3.80	
		8. Theri bazaar	09.04.19	Y	Inlet	542.07	6.53	50.0	384.0	196.0	69000	32000	1.90	0.107
					Outlet	169.35	7.99	24.1	120.0	24.0	52000	21000	3.20	
		9. Anzani Ghat	09.04.19	Y	Inlet	113.78	6.50	59.1	400.0	208.0	65000	29000	1.90	3.714
					Outlet	12.07	7.06	25.6	120.0	68.0	55000	20000	3.90	
		10. Chetnat ghat	09.04.19	Y	Inlet	122.85	6.66	81.8	304.0	192.0	70000	34000	1.90	0.598
					Outlet	2.71	7.19	27.5	128.0	52.0	58000	21000	3.80	
		11. Sumer Ghat	09.04.19	Y	Inlet	5.14	7.18	50.0	388.0	216.0	72000	36000	2.20	0.107
					Outlet	4.14	7.25	24.1	136.0	52.0	61000	24000	3.98	

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S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discha (MLD)
		12. Gola Ghat	09.04.19	Y	Inlet	126.35	7.13	86.4	260.0	112.0	62000	33000	1.70	0.219
					Outlet	45.50	7.23	25.6	112.0	28.0	50000	24000	3.67	
		13. Maksud ghat	09.04.19	Y	Inlet	140.14	7.18	63.6	320.0	96.0	68000	26000	3.80	0.219
					Outlet	13.85	6.99	20.7	136.0	44.0	52000	13000	4.70	
		14. Collecter Ghat	09.04.19	Y	Inlet	208.64	6.92	50.0	288.0	304.0	75000	38000	2.16	2.130
					Outlet	69.28	6.74	25.6	120.0	48.0	62000	24000	3.37	
		15. Dadri Ghat	09.04.19	Y	Inlet	44.00	6.78	68.2	304.0	160.0	72000	37000	1.16	1.223
					Outlet	38.14	7.13	27.6	112.0	16.0	61000	25000	3.56	
		16. Sai Mandir	09.04.19	Y	Inlet	91.35	6.71	63.6	256.0	208.0	70000	32000	1.65	2.130
					Outlet	0.28	7.24	17.2	144.0	8.0	58000	23000	3.20	
		17. Naupura	09.04.19	Y	Inlet	122.00	6.72	50.0	304.0	192.0	82000	41000	1.65	0.039
					Outlet	63.14	7.11	22.4	184.0	52.0	68000	30000	3.30	
		18. Afim factory colony	09.04.19	Y	Inlet	30.21	6.55	59.1	272.0	184.0	76000	36000	1.17	0.068
					Outlet	0.35	7.01	25.6	112.0	24.0	59000	22000	3.20	
		19.Mahala basti (Sikandpur)	09.04.19	Y	Inlet	9.92	6.61	63.6	320.0	144.0	72000	39000	1.60	0.007
					Outlet	10.50	7.27	27.6	120.0	28.0	66000	24000	3.10	
		20. D.M Banglo	09.04.19	Y	Inlet	10.57	7.16	54.5	336.0	160.0	74000	38000	1.62	2.130
					Outlet	5.85	7.21	25.6	120.0	20.0	61000	22000	3.40	
		21. Pear nagar	09.04.19	Y	Inlet	5.35	6.97	50.0	320.0	380.0	80000	42000	1.50	0.068
					Outlet	3.64	7.18	27.6	184.0	76.0	65000	29000	3.51	
		22. Bada Mahadeva (Gora Bazar)	09.04.19	Y	Inlet	99.07	6.93	54.5	384.0	336.0	62000	31000	1.43	1.422
					Outlet	5.07	7.41	29.3	160.0	16.0	51000	20000	3.47	
		23. Bada Mahadeva (Adarsh Bazar)	09.04.19	Y	Inlet	86.78	6.99	50.0	320.0	352.0	71000	37000	1.51	1.422
					Outlet	6.71	7.35	25.6	160.0	36.0	59000	24000	2.20	
16	Shuklaganj Ganga	1.Ganga Vishu Drain	09.04.19	Y	Inlet	76.35	6.96	63.6	272.0	160.0	72000	33000	0.30	0.127
					Outlet	65.07	7.14	22.4	128.0	64.0	61000	26000	0.57	
		2.Indira Nagar Drain	10.04.19	Y	Inlet	264.00	6.55	54.5	288.0	200.0	75000	38000	0.30	3.355
					Outlet	114.85	7.07	19.0	136.0	52.0	60000	24000	0.36	
		3.Manohar Nagar Nala	10.04.19	Y	Inlet	198.78	7.95	63.6	320.0	240.0	65000	32000	0.44	1.231
					Outlet	152.64	7.02	29.3	136.0	44.0	51000	21000	0.54	

Values in bold indicate the levels beyond NMCG limits

Rocchi 21/04/19

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
		4. Ravidas Nagar Nala	10.04.19	Y	Inlet	163.57	7.03	81.8	416.0	200.0	68000	36000	0.20	0.730
					Outlet	143.28	7.27	29.3	112.0	68.0	54000	21000	1.42	
17.	Unnao Ganga	1. City Jail Drain (Dakari)	10.04.19	Y	Inlet	176.21	7.66	59.1	384.0	160.0	80000	42000	0.16	11.988
					Outlet	150.57	7.80	34.5	160.0	104.0	62000	27000	0.22	
18.	Kanpur Ganga	1. Golaghat Nala	09.04.19	Y	Inlet	95.78	6.97	59.1	336.0	240.0	69000	38000	0.42	0.464
					Outlet	46.36	6.90	25.9	112.0	96.0	53000	24000	0.16	
		2. Satti Chaura	09.04.19	Y	Inlet	87.57	6.62	54.5	320.0	160.0	70000	40000	0.61	0.170
					Outlet	60.36	7.01	27.6	136.0	44.0	61000	31000	0.71	
		3. Guptaar Ghat drain	09.04.19	Y	Inlet	39.78	6.87	50.0	368.0	316.0	78000	38000	0.21	2.266
					Outlet	27.28	6.86	24.1	160.0	76.0	65000	29000	0.53	
		4 Ranighat Drain	09.04.19	Y	Inlet	114.35	6.69	63.6	288.0	340.0	72000	37000	0.33	0.219
					Outlet	107.92	6.83	27.6	136.0	40.0	60000	29000	0.50	
		5. Dabka ghat nala	09.04.19	Y	Inlet	133.00	6.73	54.5	256.0	160.0	68000	34000	0.18	35.787
					Outlet	41.07	6.62	29.3	152.0	44.0	51000	23000	0.20	
		6. Budhiya Ghat drain	09.04.19	Y	Inlet	167.21	6.75	59.1	272.0	152.0	69000	34000	0.75	0.381
					Outlet	163.50	6.96	24.1	184.0	52.0	56000	26000	0.74	
19.	Bithoor Ganga	1. Lakshmann ghat	09.04.19	Y	Inlet	70.21	7.19	50.0	400.0	320.0	62000	34000	0.44	0.028
					Outlet	42.07	6.85	24.1	112.0	56.0	50000	26000	1.67	
		2. Peshwa Nala	09.04.19	Y	Inlet	54.50	6.93	45.4	288.0	240.0	59000	32000	0.83	0.068
					Outlet	1.14	7.28	22.4	120.0	48.0	45000	22000	1.34	
		3. Bhramawart ghat	09.04.19	Y	Inlet	232.14	7.24	54.5	256.0	336.0	58000	31000	0.22	V-Notch not installed
					Outlet	29.42	7.04	25.6	160.0	64.0	46000	20000	0.20	
		4. Bhann drain	09.04.19	Y	Inlet	14.57	7.05	50.0	320.0	280.0	55000	32000	3.94	0.068
					Outlet	6.14	7.01	27.6	176.0	44.0	41000	24000	3.36	
		5. Gudhara ghat	09.04.19	Y	Inlet	52.14	6.95	54.5	288.0	256.0	52000	28000	0.15	0.001
					Outlet	48.57	7.12	19.0	168.0	56.0	39000	19000	0.35	
		6. Kalwari ghat	09.04.19	Y	Inlet	157.28	7.05	63.6	304.0	200.0	51000	24000	0.14	0.068
					Outlet	118.85	6.85	22.4	152.0	64.0	35000	11000	0.19	
		7. Lav Kush ghat 1	09.04.19	Y	Inlet	116.92	7.05	50.0	368.0	256.0	55000	24000	0.22	V-Notch not installed
					Outlet	56.78	7.10	18.9	160.0	72.0	36000	9000	0.24	

Values in bold indicate the levels beyond NMCG limits

23/04/19

Values in bold indicate the levels beyond NMCG limits

S. no.	City & River	Drain	Date of Sampling	Treatment (Y/N)	Nature of Sample	Colour (Hazen units)	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Total Coliforms	Fecal Coliforms MPN/100 ml	DO (mg/l)	Discharge (MLD)
20.	Fatehgarh Ganga	1. Hathikhana Nala	08.04.19	Y	Inlet	19.35	7.20	54.5	368.0	220.0	75000	35000	0.16	18.893
					Outlet	2.71	6.98	25.6	184.0	48.0	61000	20000	2.48	
21.	Farrukhabad Ganga	1. Dhimarpur Drain	08.04.19	Y	Inlet	63.64	7.02	59.1	320.0	144.0	72000	38000	0.11	0.730
					Outlet	45.85	7.11	27.6	128.0	36.0	64000	24000	0.18	
		2.Bhairoghat drain (Tokaghat)	08.04.19	Y	Inlet	46.28	7.01	54.5	352.0	192.0	70000	33000	0.48	11.988
					Outlet	43.14	7.13	29.3	80.0	64.0	58000	20000	0.65	
22.	Prayagraj	1.Yadawpur drain	10.04.19	N	Inlet	4.78	7.18	54.5	352.0	164.0	61000	31000	1.76	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		2.Drain near chachar nala	09.04.19	Y	Inlet	6.71	6.34	59.1	320.0	80.0	62000	32000	0.26	V-Notch not installed
					Outlet	4.92	6.86	25.9	128.0	20.0	51000	24000	0.94	
		3.Near Shankar ghat drain no. 2	11.04.19	Y	Inlet	22.07	7.04	63.6	336.0	260.0	70000	34000	1.93	V-Notch not installed
					Outlet	2.92	7.17	34.5	144.0	240.0	62000	21000	3.34	
		4.Sadiyapur-2 & ghaghar nala overflow	09.04.19	Y	Inlet	77.42	6.67	68.2	320.0	140.0	76000	28000	1.33	V-Notch not installed
					Outlet	2.42	6.87	29.3	160.0	20.0	62000	11000	1.25	
		5.Karelabagh drain A1	09.04.19	N	Inlet	52.57	6.89	63.6	252.0	164.0	64000	33000	0.12	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		6.Karelabagh drain A2	09.04.19	N	Inlet	2.14	6.88	68.2	256.0	156.0	66000	29000	0.06	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		7.Drain near Arail ghat	10.04.19	N	Inlet	73.00	6.81	50.0	288.0	244.0	61000	32000	1.29	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		8.Mahewa pasi tola drain-1	09.04.19	N	Inlet	105.42	6.84	72.7	256.0	232.0	63000	36000	0.94	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		9.Mahewa pasi tola drain-2	09.04.19	N	Inlet	122.57	7.04	54.5	304.0	264.0	65000	40000	0.88	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		10.Mahewa pasi tola drain-3	09.04.19	N	Inlet	169.35	6.91	59.0	288.0	288.0	69000	37000	1.74	V-Notch not installed
					Outlet	During the visit NO TREATMENT was found on the site.								
		11.Fort drain no.1	10.04.19	Y	Inlet	156.71	6.37	63.6	320.0	88.0	70000	34000	0.05	V-Notch not installed
					Outlet	26.78	6.98	31.0	128.0	12.0	55000	21000	0.24	
		12.Fort drain no.2	10.04.19	Y	Inlet	There was no place for collecting sample from inlet site.								V-Notch not installed
					Outlet	10.50	7.41	32.7	136.0	20.0	54000	26000	3.22	
23.	Ghaziabad	1. Fuldera Drain	13.04.19	Y	Inlet	28.85	7.43	55.0	185.3	56.0	61000	28000	3.51	0.028
					Outlet	11.38	7.38	22.0	180.4	24.0	49000	2400	3.02	

23/04/19

Annexure-R-7

REPORT OF NAGAR NIGAM PRAYAGRAJ

==========

Compliance of Hon'able NGT, New Delhi Order Dated 23.09.2024 in case of OA No.310/2022 in the matter of Kamlesh singh Vs State of UP.

- There are 226 Public Toilet and Community toilets operational under the jurisdiction of the Prayagraj Municipal Corporation to catter the needs of local as well as floating population. All 226 Public and Community are connected to the sewer network.

(The list of toilets is attached as Annexure-1)

- In view of the Mahakumbh Mela, 50 mobile toilets have been purchased by the Prayagraj Municipal Corporation and will be deployed as needed during the event to cater to the needs of the floating population.

(Work order/Contract for mobile toilet is attached as Annexure-2)

- The faecal sludge from these mobile toilets will be emptied using desludging vehicles and transported to the three operational FSTPs (Salori - 50 KLD, Jhunsi - 50 KLD, and Naini - 100 KLD) for proper disposal.

(The list of FSTP & desludging vehicles is attached as Annexure-3)

(उत्तम कुमार वर्मा)
अधिशासी अभियन्ता
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Annexure-1

Public Toilet and Community Toilet Location

S.No	
	Zone - 1 - Kuldhabad
1	Lukerganj
2	Kareli Power House - Kuldhabad - 1
3	Sabji Mandi - Khuldabad-2
4	Chaufatka
5	Ganga Ganj, Buddatzia
6	Leader Road Workshop ke bagal
	Zone - 2 - Mutthiganj
7	Mahila Hospital
8	Garhi Sarai
9	Karailabagh Kooda Adda
10	Zone Office Mutthiganj
11	Naaz Cinema
12	Zero Road
13	Moti Park
14	Satti Chaura
15	Baluaghat
16	Gaughat Sabzi Mandi
17	Mohatsimganj
18	Kakraha Ghat
19	Muttiganj-1
20	Malviya Nagar
21	Dariyabad Khatikana
22	Kalyani Devi
23	Chachar Nala
24	Hazari Lal Hata Bahadurganj
25	Bansamandi Hatia
26	Hazarilal Hata
27	Muthiganj Chamroti Basti
28	Mirganj
29	Chowk Ghantaghar
30	Meerapur Sabzi Mandi
31	Sadiyapur
32	Muthiganj
33	Laxman Market
34	Leader Road
35	Mirganj
36	Outside Mandapam near Chandralok Chauraha
37	Leader Road Harijan Basti sahganj
38	Near Rasulpur Store
39	Jansenganj (Pan Dariwa)
	Zone - 3 - Katra
40	Babaji Bagh
41	Civil Line A.C. Complex
42	M.G. Marg Hotel Elavarta
43	Big Bazaar

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44	Kamdhenu Sweets
45	Qadir Building
46	Board Office
47	Thornhill Road
48	Lohia Marg
49	Kachehri-1
50	Kachehri-2
51	Pani Tanki Katra
52	Bailey Hospital-1
53	Dilkusha Park
54	Cooper Road
55	Rajapur-I
56	Badi Bagiya
57	Teliarganj
58	Rasulabad
59	Kalimai sthan Katra
60	Mumfordganj Excise
61	Sapru Road
62	Shankarghat
63	Rasulabad Ghat
64	Nevada
65	Bakhtiari Katra
66	Sadiabad Salori
67	Sadiabad Salori
68	Nayapura
69	Mumfordganj-3
70	Chilla
71	Sutur khana
72	Mumfordganj-2
73	Mehandauri
74	Manmohan Park
75	P.D. Park
76	Rajapur-2
77	Rajapur-3
78	Bailey Hospital-2
79	high court
80	AG Office
81	Muir Road
82	Nawada
83	Rajapur
84	New Traffic Police Lines
85	Traffic Chauraha
86	P.D. Tandon Park
87	Civil Lines in front of Prayag Sangeet Samiti
88	High Court Gate Pass Office
89	Ishwar Sharan Road, Salori
90	Behind Myohall Petrol Pump
91	Vivekananda Chauraha
92	Near Harsh Hotel
93	Opposite Lotus Apartments

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94	Sabzi Mandi Over Head Tank Complex
95	Jal Nigam Sai Baba Temple
96	Katchehry Parisar
97	Sadiabad Overhead Tank Complex
98	S.I.P.W.D. Office Complex
99	Old one demolished and newly built in Sadiabad
100	PWD Office Complex
101	Outside Allahabad Junction City Side Platform - 10
102	Amitabh Bachchan Sports Complex
103	Jal Nigam Near Sai Baba Mandin
104	Sadiabad Overhead Tank Complex
105	Phaphamau Village Overhead Tank Complex
106	S.E.P.W.D. Office Complex
107	Old one demolished and newly built in Sadiabad
108	PWD Office Complex
109	Near Swaraj Nagar Park
110	DM Office Complex Type-03
111	Anand Bhawan
112	Traffic Inspector Office Complex
Zone - 4 - Allahpur	
113	Yamuna Bank Road Kidganj
114	South Malaka Sabji Mandi
115	Swarooprani Hospital-1
116	Punjabi Dharamshala Kidganj
117	Kidganj Chaukhandi
118	Swarooprani Hospital Complex
119	Rambagh Labour Square
120	Opposite Jeevan Jyoti Hospital
121	Medical Chauraha District Inspector Campus
122	Barhana Gora Cemetery
123	Kidganj police station wali road near garbage stand
124	Bakshi Dam Sabzi Mandi
125	Near CAV Inter College
126	Darbhanga Chauraha Georgetown
127	Bakshi Bandh Vikash Pradhikaran -1
128	Bakshi Bandh Vikash Pradhikaran -1
129	Chitpur Slums Next to City Garage
130	North Malaka
131	Bachha Hospital
132	Sewa samiti
133	Netanagar
134	Malakraj Oil Depot
135	Nirankari Ashram
136	Daraganj-II Prayagghat
137	New Lashkar Line
138	Tularambagh
139	Alopibagh
140	LIC Tagore Town
141	Baghambari
142	Vidut sawdah ghar

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143	Andheri Bagh
144	Daraganj-3
145	Hasimpur-2
146	Sanjay Nagar
147	Kamla Nehru Hospital
148	Allapur Labour Square
149	PaniTank Daraganj
150	Mal godam
151	Alopibagh
152	Madhwapur
153	Sohbatiabagh Besides to Sangam Petrol Pump
154	C.M.P. Degree College
155	Tulsidas Akhara Daraganj
156	Haiza Hospital Pani Tanki Parisar -4
157	Zonal Office Jalakal Over Head Tank Complex-5
158	Khalasi Line Kidganj
159	Old Lashkar Line Barhana
160	Bade Masjid Prabhu Ghat
161	Daraganj near Nagvasuki Temple
162	Next to CM Petrol Pump
163	Panna Lal Road Crossing
164	Near Allapur Police Post
165	Kamla Nehru Hospital Complex Zone
166	Cholera Hospital Water Tank Complex
167	Pink toilet near medical square
168	Allapur Malin Toilet
169	Rambagh Railway Station
	Zone - 5 - Naini
170	Someshwar Mahadev
171	Old Chungi Gaughat Agriculture
172	Ashok Talkies Over Head Tank Complex
173	Gaughat Phulmandi
174	Naini-I
175	Naini-2 (Chakbatai)
176	Naini Sabzi Mandi
177	Indrapur, Naini
178	Railway Crossing Naini
179	Shankar Dhal Naini
180	Cotton Mill Naini
181	Naini
182	Chakdaud Nagar Naini
183	Triveni Nagar Naini (Near TSL)
184	Outside Naini Zonal Office
185	Naini Mirzapur Road
186	Sabzi Mandi Overhead Complex Naini
187	Jal Nigam premises near Ashok Talkies, Chakbhatai Naini
188	Jalakal Zone Office Complex at Chakraraghunath Naini
189	Toilets at Signauta
190	Zonal Office Overhead Tack Complex
191	Ashok Talkies Overhead Tank Complex

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192	Signauta Overhead Tank Complex
193	Outside ITI School
194	G.E.C. Company Naini
195	Tignauta Overhead Tank Complex
Zone - 6 - Transport Nagar	
196	Mandi Parishad-1
197	Transport Nagar-1
198	Mandi Parishad-2
199	Kanhaipur-I (Infront of ITBP Colony)
200	Transport Nagar-2 (Near Port Station)
201	Neemsarai
202	Mundera Bazaar, GT Road
203	Mandi Parishad-3
204	Near Pongahat Pul (Happy Home)
205	Transport Nagar (Gati Chauraha)
206	Dua Nursing Home Preetam nagar
207	R.T.O. Office Campus
208	Transport nagar near Dharamveer Murthy
209	Near Mahindra Workshop
Zone - 7 - Phaphamau	
210	Water Tank Phaphamau
211	Phaphamau Ghat
212	Phaphamau Tiraha
213	Phaphamau Railway station
214	BSNL in Phaphamau Office Labour Chauraha
215	Shanthipuram F Block Park in Phaphamau
216	Phaphamau Village Overhead Tank Complex
217	Near BSNL Office Labour Chuaraha in Phaphamau
218	At Shantipuram F Block Park in Phaphamau
219	Near Phaphamau Homeopathic College
Zone - 8 - Jhunsi	
220	Ward-50 Tulapur Jhusi Ward-50 Tulapur Jhusi
221	Jhusi Azad Nagar Kanshiram Awas Near Railway Colony
222	Jhusi Katka Chak Khatima Ward-50
223	Jhusi Azad Nagar G.T. Road Bus Stand Opposite Jigsaw Machine
224	Jhusi Azad Nagar Ward-85
225	Jhusi Katka Village Ward-50
226	Jhusi Katka Bus Stand Corner Side

परगतिशील अभियन्ता
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Annexure-2

अनुबंध | Contract

अनुबंध क्रमांक | Contract No: GEMC-511687731768694
अनुबंध तिथि | Generated Date : 14-Mar-2024
बोली/आरए/पीबीपी संख्या | Bid/RA/PBP No.: GEM/2024/B/4580378

संगठन विवरण | Organisation Details

प्रकार | Type : State Local Bodies
मंत्रालय | Ministry :
विभाग | Department : Urban Development Department Uttar Pradesh
संगठन का नाम | Organisation Name : e-Municipalities - eServices to citizens and Employees of Urban Local Bodies of Uttar Pradesh
कार्यालय क्षेत्र | Office Zone: Allahabad

खरीदार विवरण | Buyer Details

पद | Designation : Assistant Engineer Electrical PNN
संपर्क नंबर | Contact No :
ईमेल आईडी | Email ID : buycon395.eecep.up@gembuyer.in
जीएसटी आईएन | GSTIN :
पता | Address : Nagar Nigam, Prayagraj, 1-Sarojini Naidu Marg, Prayagraj, Prayagraj, UTTAR PRADESH-211001, India

वित्तीय स्वीकृति विवरण | Financial Approval Detail

आईएफडी सहमति | IFD Concurrence : No
प्रशासनिक अनुमोदन का पदनाम | Designation of Administrative Approval : Municipal Commissioner
वित्तीय अनुमोदन का पदनाम | Designation of Financial Approval : CFAO

भुगतान प्राधिकरण विवरण | Paying Authority Details

Role : PAO
भुगतान का तरीका | Payment Mode : Offline
पद | Designation : CFO
ईमेल आईडी | Email ID : pay33.eecep.up@gembuyer.in
जीएसटी आईएन | GSTIN :
पता | Address : 1 Sarojini Naidu Marg Allahabad, ALLAHABAD, UTTAR PRADESH-211001, India

विक्रेता विवरण | Seller Details

जेम विक्रेता आईडी | GeM Seller ID : 6DC4180000324939
कंपनी का नाम | Company Name : BHUTANI INTERNATIONAL PRIVATE LIMITED
संपर्क नंबर | Contact No : 09599193272
ईमेल आईडी | Email ID : bhutani@superlooindia.com
पता | Address : 295,BASEMENT,EAST OF KAILASH,SANT NAGAR,, NEW DELHI, DELHI-110065, -
एमएसएमई पंजीकरण संख्या | MSME Registration number : UDYAM-DL-08-0008205
एमएसई सामाजिक श्रेणी | MSE Social Category : General
एमएसई लिंग श्रेणी | MSE Gender : Male
जीएसटीआईएन | GSTIN : 07AAECB9606L1ZE

*जिसके नाम के पक्ष में GST/TAX इनवॉइस पेश किया जाएगा | GST / Tax invoice to be raised in the name of - Consignee

वितरण निर्देश | Delivery Instructions : NA

उत्पाद विवरण | Product Details

#	आइटम विवरण | Item Description	आइटम विवरण | Ordered Quantity	इकाई | Unit	इकाई मूल्य (INR) | Unit Price (INR)	कर विभाजन (INR) | Tax Bifurcation (INR)	मूल्य (INR में सभी शुल्क और कर सहित) | Price (Inclusive of all Duties and Taxes in INR)
1	उत्पाद का नाम | Product Name : 8 Seated Mobile Toilet (Q3) ब्राड | Brand : SUPER LOO ब्राड प्रकार | Brand Type : Registered Brand कैटलॉग की स्थिति | Catalogue Status: Catalogue not verified by OEM जैसे बेचा जा रहा है | Selling As : Reseller not verified by OEM श्रेणी का नाम और चतुर्थांश | Category Name & Quadrant : 8 Seated Mobile Toilet (Q3) (Q3) मॉडल | Model: 8 Seated Mobile Toilet (Q3) एचएसएन कोड | HSN Code: HSN not specified by seller	30	pieces	599,794	NA	17,993,820
कुल ऑर्डर मूल्य | Total Order Value (In INR)						17,993,820

परेषिती विवरण | Consignee Detail

क्र.सं. | S.No	परेषिती | Consignee	वस्तु | Item	लॉट नंबर | Lot No.	मात्रा | Quantity	दिनांक के बाद डिलीवरी शुरू करना है | Delivery Start After	वितरण पूरा कब तक करना है | Delivery To Be Completed By
	पद | Designation : - ईमेल आईडी | Email ID : buycon395.eecep.up@gembuyer.in संपर्क | Contact : -	8 Seated Mobile Toilet (				

(उमेश कुमार वर्मा)
कार्यपालक अभियन्ता
नगर निगम, प्रयागराज

1	जीएसटीआईएन	GSTIN : - पता	Address : Nagar Nigam, Prayagraj, 1-Sarojini Naidu Marg, Prayagraj, Prayagraj, UTTAR PRADESH-211001, India	Q3)	-	30	14-Mar-2024	28-Apr-2024

Product Specification for 8 Seated Mobile Toilet (Q3)

विनिर्देश | Specification	उप-विनिर्देश | Sub-Spec	मूल्य | Value
Custom Specification	Custom Specification	Yes

विक्रेता विशिष्टता दस्तावेज़ \| Seller Specification Document:

1. SpecificationDocument.1	mkp.gem.gov.in/catalog_data/catalog_support_document/74/51/723/CatalogAttrs/SpecificationDocument/2024/2/17/2024_02_17_17_36_06_spec8seat_2024-02-04-20-21-24_0_2024-02-17-17-36-09_bd3662e01f568fcc2ad87d989e6cc253.pdf

खरीदार विशिष्टता दस्तावेज़ \| Buyer Specification Document:

1. SpecificationDocument	mkp.gem.gov.in/catalog_data/catalog_support_document/buyer_documents/13457681/54/78/703/CatalogAttrs/SpecificationDocument/2024/2/4/spec8seat_2024-02-04-20-21-24_0d69444ec55da37480efdbfbe96cbc8c.pdf

शुद्धिपत्र \| Corrigendum

1. तक बढ़ाया गया \| Extended Upto : 2024-02-20 17:00:00
2. तक बढ़ाया गया \| Extended Upto : 2024-02-24 10:00:00

ईपीबीजी विवरण \| ePBG Detail

सलाहकार बैंक | Advisory Bank :	Indusind bank
ईपीबीजी प्रतिशत (%) | ePBG Percentage(%):	5.00

बोली लगाने वाले को बोली के नियमों और शर्तों के अनुसार लागू ईपीबीजी प्रस्तुत करना होगा \| The bidder shall furnish ePBG as applicable as per bid's terms and conditions

नियम और शर्तें \| Terms and Conditions

1. General Terms and Conditions-

1.1 This contract is governed by the General Terms and Conditions, conditions stipulated to this Product/Service as provided in the Marketplace.

1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

2. Buyer Added Bid Specific Terms and Conditions-

2.1 *Generic*

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2.2 *Buyer Added Bid Specific ATC:*

Buyer uploaded ATC document Click here to view the file.

नोट: यह सिस्टम जनरेटेड पावती है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.

(उत्तम कुमार)
पर्यवेक्षण अभियन्ता

अनुबंध | Contract

अनुबंध क्रमांक | Contract No: GEMC-511687745243599
अनुबंध तिथि | Generated Date : 14-Mar-2024
बोली/आरए/पीबीपी संख्या | Bid/RA/PBP No.: GEM/2024/B/4580310

संगठन विवरण | Organisation Details

प्रकार | Type :	State Local Bodies
मंत्रालय | Ministry :	-
विभाग | Department :	Urban Development Department Uttar Pradesh
संगठन का नाम | Organisation Name :	e-Municipalities - eServices to citizens and Employees of Urban Local Bodies of Uttar Pradesh
कार्यालय क्षेत्र | Office Zone:	Allahabad

खरीदार विवरण | Buyer Details

पद | Designation :	Assistant Engineer Electrical PNN
संपर्क नंबर | Contact No.	-
ईमेल आईडी | Email ID :	buycon395.eecep.up@gembuyer.in
जीएसटीआईएन | GSTIN :	-
पता | Address :	Nagar Nigam Prayagraj, 1-Sarojini Naidu Marg, Prayagraj, Prayagraj, UTTAR PRADESH-211001, India

वित्तीय स्वीकृति विवरण | Financial Approval Detail

आईएफडी सहमति | IFD Concurrence :	No
प्रशासनिक अनुमोदन का पदनाम | Designation of Administrative Approval :	Municipal Commissioner
वित्तीय अनुमोदन का पदनाम | Designation of Financial Approval :	CFAO

भुगतान प्राधिकरण विवरण | Paying Authority Details

Role:	PAO
भुगतान का तरीका | Payment Mode:	Offline
पद | Designation :	CFO
ईमेल आईडी | Email ID :	pay33.eecep.up@gembuyer.in
जीएसटीआईएन | GSTIN :	-
पता | Address:	1 Sarojini Naidu Marg Allahabad, ALLAHABAD, UTTAR PRADESH-211001, India

विक्रेता विवरण | Seller Details

जेम विक्रेता आईडी | GeM Seller ID :	6DC4180000324939
कंपनी का नाम | Company Name :	BHUTANI INTERNATIONAL PRIVATE LIMITED
संपर्क नंबर | Contact No.	09599193272
ईमेल आईडी | Email ID :	bhutani@superlooindia.com
पता | Address :	295,BASEMENT,EAST OF KAILASH,SANT NAGAR,, NEW DELHI, DELHI-110065, -
एमएसएमई पंजीकरण संख्या | MSME Registration number :	UDYAM-DL-08-0008205
एमएसई सामाजिक श्रेणी | MSE Social Category :	General
एमएसई लिंग श्रेणी | MSE Gender :	Male
जीएसटीआईएन | GSTIN:	07AAECB9606L1ZE

*जिसके नाम के पक्ष में GST/TAX इनवॉइस पेश किया जाएगा | GST / Tax invoice to be raised in the name of - Consignee

वितरण निर्देश | Delivery Instructions : NA

उत्पाद विवरण | Product Details

#	आइटम विवरण | Item Description	आइटम विवरण | Ordered Quantity	इकाई | Unit	इकाई मूल्य (INR) | Unit Price (INR)	कर विभाजन (INR) | Tax Bifurcation (INR)	मूल्य (INR में सभी शुल्क और कर सहित) | Price (Inclusive of all Duties and Taxes in INR)
1	उत्पाद का नाम | Product Name : 6-Seated Mobile Toilet ब्रांड | Brand : SUPER LOO ब्रांड प्रकार | Brand Type : Registered Brand कैटलॉग की स्थिति | Catalogue Status: Catalogue not verified by OEM कैसे बेचा जा रहा है | Selling As : Reseller not verified by OEM श्रेणी का नाम और चतुर्थांश | Category Name & Quadrant : 6-Seated Mobile Toilet (Q3) मॉडल | Model: 6-Seated Mobile Toilet एचएसएन कोड | HSN Code: HSN not specified by seller	20	pieces	425,626	NA	8,512,520
कुल ऑर्डर मूल्य | Total Order Value(in INR)						8,512,520

परेषिती विवरण | Consignee Detail

क्र.सं. | S.No	परेषिती | Consignee	वस्तु | Item	लॉट नंबर | Lot No.	मात्रा | Quantity	दिनांक के बाद डिलीवरी शुरू करना है | Delivery Start After	वितरण पूरा कब तक करना है | Delivery To Be Completed By
	पद | Designation : - ईमेल आईडी | Email ID : buycon395.eecep.up@gembuyer.in संपर्क | Contact : -					

पर्यावरण अभियन्ता
नगर निगम प्रयागराज

	जीएसटीआईएन	GSTIN : - पता	Address : Nagar Nigam, Prayagraj, 1-Sarojini Naidu Marg, Prayagraj, Prayagraj, UTTAR PRADESH-211001, India	6-Seated Mobile Toilet	-	20	14-Mar-2024	26-Apr-2024

Product Specification for 6-Seated Mobile Toilet

विनिर्देश | Specification	उप-विनिर्देश | Sub-Spec	मूल्य | Value
Custom Specification	Custom Specification	Yes

विक्रेता विशिष्टता दस्तावेज़ \| Seller Specification Document:

1 SpecificationDocument1	mkp.gem.gov.in/catalog_data/catalog_support_document/74/51/723/CatalogAttrs/SpecificationDocument/2024/2/5/2024_02_05_12_17_44_spec6seat_2024-02-04-19-40-13_9_2024-02-05-12-17-48_c00a8cca458d9961ef2678259d2cf1b6.pdf

खरीदार विशिष्टता दस्तावेज़ \| Buyer Specification Document:

1 SpecificationDocument	mkp.gem.gov.in/catalog_data/catalog_support_document/buyer_documents/13457681/SA/78/703/CatalogAttrs/SpecificationDocument/2024/2/4/spec6seat_2024-02-04-19-40-13_93155e59b3c1a206a8dfeb6052a05f87.pdf

शुद्धिपत्र \| Corrigendum

1. तक बढ़ाया गया \| Extended Upto : 2024-02-20 17:00:00
2. तक बढ़ाया गया \| Extended Upto : 2024-02-24 10:00:00

ईपीबीजी विवरण \| ePBG Detail

सलाहकार बैंक | Advisory Bank :	Indusind bank
ईपीबीजी प्रतिशत (%) | ePBG Percentage(%) :	5.00

बोली लगाने वाले को बोली के नियमों और शर्तों के अनुसार लागू ईपीबीजी प्रस्तुत करना होगा \| The bidder shall furnish ePBG as applicable as per bid's terms and conditions

नियम और शर्तें \| Terms and Conditions

1. General Terms and Conditions-

1.1 This contract is governed by the General Terms and Conditions, conditions stipulated to this Product/Service as provided in the Marketplace.

1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable.

2. Buyer Added Bid Specific Terms and Conditions-

2.1 *Generic*

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2.2 *Buyer Added Bid Specific ATC*

Buyer uploaded ATC document Click here to view the file.

नोट: यह सिस्टम जनरेटेड पर्चा है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज का किसी अन्य भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.

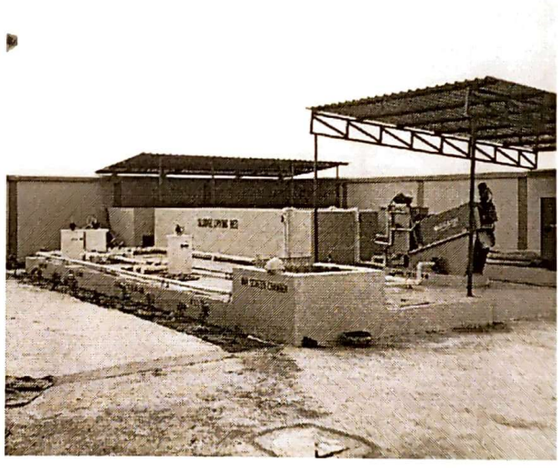
पर्यवेक्षण अभियन्ता
नगर निगम प्रयागराज

Annexure-3

(Naini FSTPs-Capacity 100 KLD)

Desludging vehicles in FSTPs, NAINI, PRAYAGRAJ			
S.No	**No of Vehicles**	**Capacity**	**Vehicles Types**
1	04 Nos.	4000 LTR	GOVT. VEHICLES
2	02 Nos.	3000 LTR	GOVT. VEHICLES
3	03 Nos.	1000 LTR	GOVT. VEHICLES
4	06 Nos.	5000 LTR	REGISTERD PRIVATE VEHICELS
5	02 Nos.	3000 LTR	REGISTERD PRIVATE VEHICELS
Total -17 vehicles			

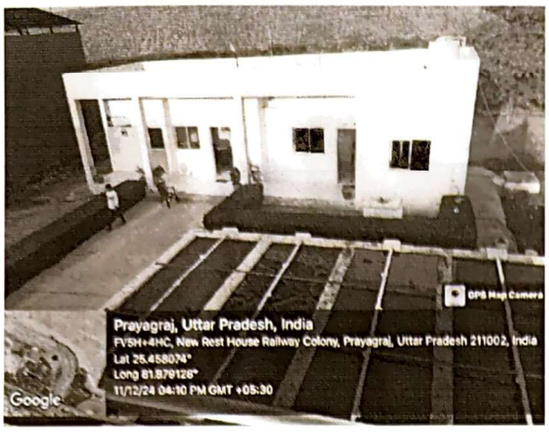
(Jhunsi FSTPs-Capacity 50 KLD)

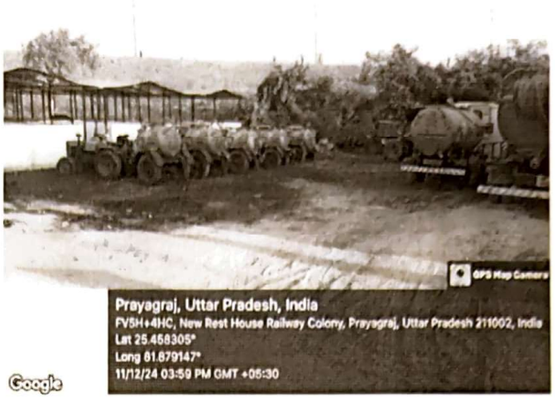


Desludging vehicles in FSTPs, JHUNSI, PRAYAGRAJ			
S.No	**No of Vehicles**	**Capacity**	**Vehicles Types**
1	01 Nos.	4000 LTR	GOVT. VEHICLES
2	02 Nos.	3000 LTR	GOVT. VEHICLES
3	03 Nos.	1000 LTR	GOVT. VEHICLES
4	6 Nos.	5000 LTR	REGISTERD PRIVATE VEHICELS
Total -12 vehicles			

पर्यावरण अभियन्ता
नगर निगम प्रयागराज

(SALORIBAKSHI BANDH FSTPs- Capacity 50 KLD)





Desludging vehicles in FSTPs,SALORI BAKSHI BANDH, PRAYAGRAJ			
S.No	**No of Vehicles**	**Capacity**	**Vehicles Types**
1	02 Nos.	6000 LTR	GOVT. VEHICLES
2	01 Nos.	4000 LTR	GOVT. VEHICLES
3	12 Nos.	3000 LTR	GOVT. VEHICLES
4	08 Nos.	2500 LTR	GOVT. VEHICLES
5	05 Nos.	500 LTR	GOVT. VEHICLES
6	05 Nos.	5000 LTR	REGISTERD PRIVATE VEHICELS
7	03 Nos.	3000 LTR	REGISTERD PRIVATE VEHICELS
Total -36 vehicles			

(उज्ज्वल कुमार वर्मा)
पर्यावरण अभियन्ता
नगर निगम प्रयागराज

Annexure-R-8

Report of Mela Authority in compliance of Hon'ble NGT, New Delhi in case of OA No. 310/2022 in the matter of Kamlesh Singh Vs State of UP

(i) Liquid Waste Management

(a). Toilets Proposed for Maha Kumbh 25

With an anticipated increase in the no. of Sansthas in comparison to the Kumbh Mela 2019, proposed mela area for Maha Kumbh 2025 is expected to be increased to ~4000 hectares from that of ~3200 hectares. A substantial increase is expected in the overall footfall during mela period. With this as the base value, projection for the no of toilets has been worked out for the options under consideration. It has been estimated that a total of **1,50,000 number of toilets and urinals** are required to cater to the sanitation demands of pilgrims/ visitors attending Maha Kumbh 2025. Against 1.5 lacs toilets, 45,000 toilets have been installed till now.

Community areas shall have two types of toilets: FRP and Prefabricated steel toilets. The ones' installed near to the water body have been proposed to be connected to septic tanks to ensure Zero Discharge into adjoining water bodies. Rest of the toilets, installed in community area, shall have soak pits considering the availability of hard soil strata facilitating natural discharge. FRP urinals shall primarily have septic tank connection.

All proposed toilet clusters (A cluster shall have a set of 10 – 20 toilets) shall be strategically positioned giving due consideration to accessibility, user friendliness and privacy aspects.

(b). Septage Management

All the vendors onboarded for Maha Kumbh Mela 2025 shall be bound by strict contractual terms to not only ensure cleanliness and routine maintenance of the toilets but also ensure that sludge disposal mechanisms are in place with established frequency of cesspool operations, provision of ICT-based monitoring mechanism, cleaning of the septic tanks, including the safe disposal of their contents to 3 new temporary STP treatment plants. The Prefabricated STP proposed to be installed in Mela Area are Based on Hybrid Granular Sequential Batch Reactor Technology (HgSBR) developed By Bhabha Atomic and Research Institute.

Septage management shall be followed through round-the-clock operations. During Kumbh 2019, cesspool vehicles were deployed to transfer the sludge to STPs for treatment. For Maha Kumbh Mela 2025, this estimate is to be increased considering the proportional increase in number of toilets proposed and mela area expanse. Collected septage shall be treated at city level sewage treatment plants (STPs).

Approximately 200 Km Drainage is being laid in Mela Area for efficient disposal of grey water generated in Mela Area. The grey wastewater (BOD Less than 100) generated from washing hands, Kitchen etc. having very less BOD is collected in various ponds (Approx 75 Nos, Average 03 Nos in each sector) constructed in mela area and the treatment is done by Bioremediation method to make the mela vicinity odour free. Sectors in which Sewerage Network is available in nearby vicinity, grey water is discharged into Sewers.

The ponds are Constructed in Mela Area by Carrying out Excavation and Covering the Excavated portion with 150 Micron HDPE line in order to prevent infiltration of grey water into the Ground.

Bioremediation Units are Installed and Treatment is carried out using biological Enzymes and Microbes providing sufficient Retention Time. Screens are installed at Inlet to catch any floating waste material. V-Notch is also installed at inlet to measure the flow reaching Pond.

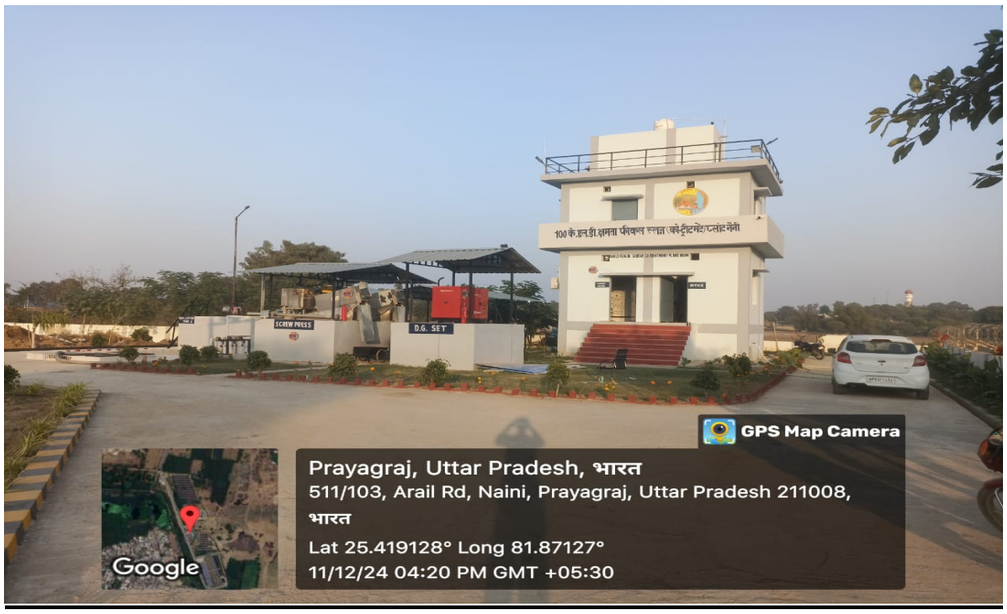
- **The prefabricated Sewage Treatment Plant of 0.5 MLD STP will have following Treated Effluent parameters:-**
  (i) BOD - Less than 10 mg/l
  (ii) TSS- less than 10 mg/l
  (iii) COD- Less than 30 mg/l
  (iv) pH- 6.5 TO 8.5
  (v) Faecal Coliform- less than 1000 MPN per 100 ml.
  (vi) Oil and Grease - less than 10 mg
- The Sewage and Feacal Sludge Generated in Maha Kumbh mela Area is proposed to be treated as per given below:-

Sr No	Sector	Treatment of Blackwater/Feacal Sludge	Treatment of Grey Water
1	Sector 1 & 2	Through Sewerage Netwok to Alopibagh SPS for treatment at 60 MLD Rajapur STP	Through Sewerage Network
2	Sector 3 & 4	Through Sewerage Network to Mori Gate and Daraganj SPS for treatment at 60 MLD Rajapur STP Through Alopibagh SPS	1)Through Ponding and Bioremediation. 2)Through Sewerage Network wherever available in close vicinity.
3	Sector 06 to 09	(i) Through Chilla SPS to 14 MLD and 29 MLD Salori STP (Additional 43 MLD STP at Salori Approved under Namami Gange Programme)) (ii) Through 01 Nos Pre-fabricated STP (capacity 0.5 MLD) (iii) Through 50 KLD Feacal Sludge Co-Treatment Plant at 14 MLD Salori STP Campus	1)Through Ponding and Bioremediation. (2) Through Sewerage Network wherever available in close vicinity.
4	Sector 5 and Sector 10 to 22	(i)Through 02 Nos Temporary Prefabricated STP (each of capacity 0.5 MLD) To be installed in Sector 13(For 10 to 14) and	(1) Through Ponding and Bioremediation. (2) Through Sewerage Network wherever available in close vicinity.

		Sector 15 (For Sector 5 & 15 to 18) (ii)Through Sewer line being laid on Jhunsi Side to 16 MLD Jhunsi STP and (iii)Through 50 KLD Feacal Sludge Co-Treatment Plant at 16 MLD Jhunsi STP Campus (For Sector 19 to 22)	
	Sector 23 to 25	Through 100 KLD Feacal Sludge Co-Treatment Plant at 42 MLD Naini STP Campus	(1) Through Ponding and Bioremediation.

Photographs of Feacal Sludge Co-Treatment Plants:-

1)100 KLD Feacal Sludge Co-Treatment Plant , Naini



2) 50 KLD Feacal Sludge Co-Treatment Plant , Jhunsi

3) 50 KLD Feacal Sludge Co-Treatment Plant , Salori

(c). Volunteer Based Monitoring: Ganga Seva Doot

During Kumbh Mela 2019, 1500 Ganga Seva Doot were deployed as sanitation ambassadors by the Mela Authority for monitoring sanitation infrastructure and services. These volunteers were trained on sanitation issues and challenges prior to the Mela through intense trainings on the importance of Sanitation during Kumbh Mela and about how to monitor the operation and maintenance of the toilets in the Mela area. They were also provided with SBM funded kits for easy identification during the Mela.

Adopting the same approach in Maha Kumbh 2025, 2500 'Ganga Seva Doot' have been trained to monitor toilet operations & maintenance and triggering behaviour change through their actions. They shall continue to use an ICT-based monitoring mobile app where all the community toilets deployed in the Mela area are verified 2 times a day.

(d). ICT Based Monitoring of sanitation facilities

ICT based monitoring of sanitation facilities, as adopted in Kumbh 19, has been proposed to ensure that the entire operations run efficiently. A customized mobile application (to be made available in Hindi and English language) shall be used to scan the QR code pasted on toilet complexes and upload details of toilet operation and maintenance on a routine basis. The data collected shall then be analysed and interpreted in Management Information System (MIS) interface to get real-time update on operational aspects from the command control centre.

Ganga Seva Doot have been trained to use the ICT based Mobile App and mandated to give feedback two-three times a day. There shall be an option to provide feedback and status

based on set parameters besides uploading photographs indicating the status. Automated message and E-mail alerts generated would get passed on to the supervisor and vendor for necessary action. If not addressed by the next shift, the matter will then be escalated for remedial measures and vendors will be penalized for non-compliance.

Salient features of the ICT based monitoring system shall be as follows: -

- Geotagging/ QR/ RFID coding of Toilets to monitor routine maintenance and cleaning operations
- User mobile application to take daily and timely attendance of deployed manpower
- GPS based Vehicle tracking system for easy tracking of vehicles (real-time movement on digital maps) engaged in cesspool activities
- Centrally managed control room for feedback and response
- Service provider shall be responsible for updating and upgradation (if required) of all software and hardware for the successful operation of the project during the contract period

(ii) Solid Waste Management

(a). Type of Waste

A study was undertaken to identify the different waste streams anticipated during mela period. This data was collected in consultation with experts and veterans in the field of health who have had previous experience of managing Mela sanitation activities. Additionally, inputs and learning from the Magh Melas were also accounted for. Some of the identified waste streams are:

- Mixed waste – comprising of plastics, food, other organic, glass, cloth, paper etc.
- Visargan Waste – comprising of flower garlands, cloth, incense and other prayer offerings flown into the river/ discarded along the ghats
- Biomedical waste – being generated from clinics and other medical facilities installed within Mela area.

The details of the same have been presented in below Table.

Waste Streams	**Mixed waste**	**Biomedical waste**	**Visargan waste**	**Cloth**
Source	Community area, roadsides, vending spaces etc.	Medical camps	Ghat area, riverbank	
Sub-types	Plastic, Food & organic, Glass, Cloth, Paper, Metal etc.	Plastic, cotton, steel, foil, cloth etc.	Flower garland, cloth, incense etc.	

Management	Collected in dustbins, periodically transferred to SWM sites through tipper & compactors	Collected in dedicated dustbins, periodically transferred to Authorized handlers for safe disposal	To be sorted, collected and stored in dedicated dustbins, periodically transferred to identified spots that can initiate a process to repurpose the collected waste.

(b). Implementation Process Flow

The Solid Waste Management Plan has been comprehensively planned with three layers of operation as indicated below. The process flow for the same has been defined by the principle that once the waste goes into the bin, it shall not touch the ground until it reaches the treatment facility.

- **Primary & Secondary Collection** – includes collection of garbage generated during street sweeping, waste collection from religious camps (Sansthas & Akharas), government camps, vending zones and community area. The waste collected shall be sorted and stored in waste bins placed along roadsides, ghats and community area.
- **Transfer –** The waste collected in bins shall later be transferred to tipper hopper trucks by Safai gangs. Subsequently, the waste from tipper-hopper trucks shall be taken to sectoral transfer stations (in each sector) where the waste is transferred to larger refuse compactor trucks with the support of hook-leaders. The area dedicated for waste transfer stations shall also serve the purpose of parking for SWM equipment during non-functional hours. Waste collection and transfer process has been proposed to be carried out 3 times a day (every 8 hours).
- **Disposal/ Treatment –** For daily waste/garbage generated in the mela area, there will be 37,75,000 waste bin liner bags and 20,000 dustbins that shall be strategically placed along various locations such as roadside, ghats, and vending areas ensuring that no visitor has to traverse more than 100 meters to find a disposal point. Each dustbin would be fitted with liner bags, intended to be replaced thrice daily. The waste transferred to compactors shall be taken out of Mela premises and transported to waste disposal/ treatment facility at the Baswar Solid Waste Plant operated and maintained by Nagar Nigam, Prayagraj.

(c). Tipper – Hopper trucks and Compactors

The modern refuse compactors prevalent in use in the Indian cities have an average carrying capacity ranging from 8 to14 Cum. These compactors are equipped with waste receiving hopper attachments into which waste collection trucks empty the collected waste. The compaction mechanism

ensures a higher carrying capacity with respect to general waste collection trucks.

To maximize operational efficiency, it is essential to have route planning and seamless coordination between the primary collection vehicles such as tipper hopper trucks (as in the case of Kumbh Mela) and the same shall be a priority component in Kumbh waste management planning. ICT based vehicle tracking and GPS based monitoring has been proposed for a well-synchronised primary-cum-secondary collection and transportation system to achieve scientific, efficient, and economical waste management for Maha Kumbh Mela 2025.

The requirement for tipper hopper trucks and refuse compactors have been estimated based on number of proposed sectors which would be 25 with an assumption that 1 to 2 compactors and 4 to 5 tippers shall be deployed per sector for waste collection and transfer activities within and outside mela area. Total of 120 tippers and 40 Compactors shall be deployed in the Mela area during Maha Kumbh 2025.

Provision has been made for a maximum of 2 compactors per sector with an understanding that when one compactor is away transferring the waste to nearby treatment facility, there is an additional compactor at disposal to carry out activities inside the sector. Tipper hopper trucks have been estimated considering 4 to 5 trucks per sector to ensure collection of waste from all camps and roadsides within the sector. Overall efficiency shall be improved by enhancing the operational and fleet management aspects of waste collection.

(iii). Behaviour Change and IEC Campaigns

Adopting Behavioural Change (BC) techniques and Information Education and Communication (IEC) campaigns are critical to ensure that the awareness about good sanitation practices reach the common masses in the Mela. Considering the scale and magnitude of Maha Kumbh 2025, it shall be essential to bring about behavioural change and make sure that the information about sanitation facilities reach the pilgrims in an effective manner. This shall be made possible by envisaging and executing rigorous outreach activities under various cleanliness and sustainability mission/ drives currently undertaken by the Government of India.

Target Audience:

- Pilgrims
- Religious Leaders
- NGOs/ Social Welfare Organisations/Volunteers
- Govt. worker/Officials
- Shopkeepers and vendors

- Owners of Hotel/Dharamshala/Home Stay/Math
- Residents
- Sanitation workers
- Drivers
- Media Personal

Few of the suggested activities that shall be undertaken to ensure effective communication on cleanliness and hygiene through various mediums are:

S No.	Description	Implementing Agency
1	Principal Meet Ups	Mela Authority
2	Paint My City & Murals	Mela Authority
3	Ganga Sevadoot	Mela Authority
4	Hoardings and Flex Branding	NMCG
5	Ganga Sammelan	NMCG
6	Exhibition on Namami Gange Programme	NMCG

- **Principal Meet Ups**: An initiative to engage 400 Principals (4 batches of 100 Principals) of various schools situated in the city to boost sanitation awareness and promote various Government initiatives. The Workshop are being conducted with "train the trainer" perspective, where the principals will engage to various activities such as Letter writing to friends & families to spread awareness about plastic free Kumbh, discard single use plastic, waste to wonder, Murals etc and to promote Swachh Kumbh & Swachh Prayagraj. The principals are then require to conduct such workshops in their respective schools to engage their students and eventually encouraged them to adopt these techniques/methods in their homes. Through these students, the message Clean Green Maha Kumbh will reach to thousands of households and lacs of Prayagraj residents. Through this meet, top 30 schools will be selected where direct interaction with students will be done.

School Activities in form of workshops, competitions (e.g., drawing/painting, slogan writing, debates, waste to wonder, etc), and clean-up drives organized in schools. These activities will involve students and make them aware of the importance of cleanliness and environment protection. Through these students, the message Clean Green MahaKumbh will reach to thousands of households.

- **Paint My City and Murals**: An initiative to beautify the city and Mela area with high quality street art projects being developed on various themes of sanitation, cleanliness, and Ganga-basin conservation. The work is being executed through empanelment of art agencies with 20% community participation. The artworks are based on specific themes such as local prominent personalities like - Madan Mohan Malviya, Jawahar Lal Nehru, Major Dhyanchand, flora and fauna in the river Ganga, etc. The artworks are being carried out in high visibility landscapes like Flyovers, piers, underbellies and sidewalls, Building Facades, Public Building Walls, Bus Stops, Railway Stations, Railway Coaches, Public Transport Vehicles, Garbage Collection units, Corrugated Metal Sheets, Foot Over Bridges etc. The project is being implemented by Prayagraj Mela Authority.

- **Ganga Seevadoot:** These are self-motivated and trained volunteers among the local communities working for biodiversity conservation and cleanliness of the Ganga River with the ultimate objectives of restoring the Nirmal and Aviral Dhara along with conveying messages regarding solid and liquid waste management to ensure the same. 1500 Ganga Sevadoot will be engaged across 25 sectors of the Mela area. Trained by NMCG, these ambassadors will primarily ensure

the message of Clean Ganga being transferred to various stakeholders. These ambassadors will also be an on-field monitoring resource for all sanitation services being implemented for MahaKumbh mela 2025.

- **Hoardings and Messaging on Community Toilets and Dustbins:** 10 Hoardings per Sector with 10 different sets of messages and designs regarding behavioral change and good hygiene practices are to be placed across all 25 sectors of Mela area. Several dustbins, toilets, tin barricading, etc are being installed in the Mahakumbh Mela area to ensure zero open defecation and safe disposal of solid waste. This setup will be major source of spreading messages in Ganga Conservation and importance of swachh Kumbh.

- **Ganga Sammelan:** The main objectives for organising the Ganga Sammelan is to spread awareness on Ganga Cleanliness and conservation of Biodiversity Across Ganga. It will also provide a platform for politicians, bureaucrats, think-tanks and other subject matter experts to come together and Showcase and promote leading practices of the central and state governments in India for Ganga Rejuvenation, for other governments to replicate.

- **Exhibition on Namami Gange Programme:** It is a well-designed Exhibition for showcasing campaigns under Namami Ganga and other initiatives for 45 days along with Exhibition Materials. The Exhibition is also to highlight various aspects of Namami Ganga Programme by hiring professionals to handle the complete exhibition and IEC campaign at Kumbh Mela 2025.

Information dissemination through hoardings, banners, LED screens, sanitation mascots etc. and Social Media campaigns.

Kumbh Mela Adhikari
Mela Authority, Prayagraj