

1798
BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

Original Application No. 310 OF 2022

In the matter of:

Kamlesh Singh

Applicant

Vs.

State of Uttar Pradesh & Ors.

Respondents

AND

M.A No. 59/2024 in O.A No. 56/2024

Saurabh Tiwari

Applicant

Vs.

Union of India & Ors.

Respondents

Index

S. No.	Particulars	Pg. No.
1.	Status of water quality of River Ganga by way of affidavit on behalf of CPCB in compliance to Hon'ble NGT order dated 19.02.2025 in OA. No 310/2022 and M.A No. 59/2024 in OA No. 56/2024.	
2.	Annexure 1: Order dated 23.12.2024 of Hon'ble NGT (PB) passed in OA. No 310/2022 and M.A No. 59/2024 in OA No. 56/2024.	
3.	Annexure 2: Order dated 19.02.2025 of Hon'ble NGT (PB) passed in OA. No 310/2022 and M.A No. 59/2024 in OA No. 56/2024	
4.	Annexure 3: A copy of e-Mail sent to UPPCB dated 25.02.2025 containing laboratory analysis reports of water samples collected at seven locations, STPs and Geo tubes between 12.01.2025 to 26.01.2025.	
5.	Annexure 4: Copy of manual monitoring data of river water quality, STPs and Geo tubes as displayed on CPCB website.	



Filed by Adv. Rajkumar
On behalf of Central Pollution Control Board

Place: Delhi

Dated: 28.02.2025

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH AT NEW DELHI
M.A. No. 26/2025
IN
ORIGINAL APPLICATION NO. 310/2022
AND
ORIGINAL APPLICATION NO. 56/2024

IN THE MATTER OF:

KAMLESH SINGHAPPLICANT

VERSUS

STATE OF UTTAR PRADESH & ORS.RESPONDENTS

AND

SAURABH TIWARIAPPLICANT

VERSUS

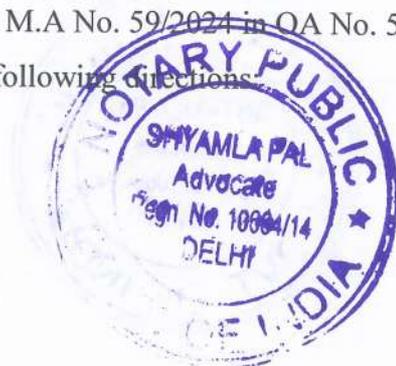
UNION OF INDIARESPONDENTS

AFFIDAVIT ON BEHALF OF THE CENTRAL POLLUTION CONTROL BOARD,
RESPONDENT NO. 8 IN COMPLIANCE TO THE ORDER DATED 19.02.2025 PASSED
BY THIS HON'BLE TRIBUNAL.

MOST RESPECTFULLY SHOWETH:

I, Dinabandhu Gouda, s/o Sh. Brundaban Gouda, aged about 52 years, currently working as Scientist F, having office at Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032 do hereby solemnly swear and affirm as follows:

1. That in my official capacity as stated above, I am aware of the facts and circumstances of the present case and am competent to swear to the contents of the present affidavit. I state that my knowledge in this regard is based on the official records available with the Central Pollution Control Board (CPCB), New Delhi.
2. That the Hon'ble NGT in the OA No. 310/2022 with M.A No. 59/2024 in OA No. 56/2024 vide order dated 23.12.2024 (Annexure-I) gave the following directions:



“18. During the Maha Kumbh 2025 regular monitoring of the water quality of the river Ganga and Yamuna is necessary at frequent intervals to meet primary water quality criteria.

19. Hence, we dispose of the MA and OA with the following directions: -

- i. During the Maha Kumbh in order to have a better monitoring mechanism and to ensure that on account of the unwanted flow of untreated sewage in river Ganga and Yamuna, the pilgrims who come for holy bath may not suffer, the CPCB and UPPCB will increase their monitoring points and frequency of monitoring on river Ganga and Yamuna.*
- ii. The CPCB and UPPCB will take the water samples from river Ganga and Yamuna from the points at least twice a week at regular intervals by avoiding duplicacy of sample on the same day and will display the sample analysis report on the website of UP PCB and CPCB. The report will also include performance of STPs and geo tubes.*
- iii. Periodic samples will be collected by UP PCB and CPCB at the outlet of STPs and advanced oxidation ponds and the analytical reports be uploaded on website of PCB and CPCB. Apart from the above, the online monitoring data will also be uploaded.*
- iv. The sample analysis report will be sent by CPCB and UP PCB during the Mela fortnightly to the Registrar General of the Tribunal so that in case of need, the matter can be listed for consideration again.*
- v. The solid waste generated during the event will be managed as per the prescribed Rules relating to its management and disposal.*
- vi. It has been pointed out that the Magh Mela will continue from 12.01.2025 till 26.02.2025 for about 45 days and there will be six important bathing days. The regulatory agencies will strengthen the management system and be more prompt in ensuring the compliance, especially during the days of increase footfall. The authorities will ensure that no untreated sewage and solid waste from any of the drains in Prayagraj is discharged in river Ganga and Yamuna. The UP PCB and CPCB shall ensure that the river water quality at all times is drinking water/bathing water quality.*
- vii. During the Maha Kumbh and after the Maha Kumbh is over, the authorities will take steps for effective disposal of the sludge generated in the STPs and deposited in geo-tubes by following the requisite environmental norms and for the same, performance report shall be filed.*
- viii. In addition to submitting the sample analysis report as directed in para (iv) above, the CPCB and UPPCB will submit comprehensive action taken report before the Registrar General of the Tribunal by 31.01.2025 and 28.02.2025 disclosing the status of compliance.*

20. The MA and OA are accordingly disposed of.”

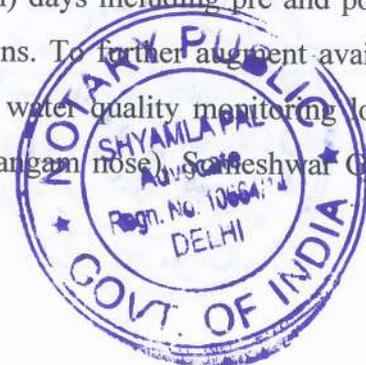


3. That the Hon'ble NGT vide order dated **19.02.2025 (Annexure-II)** in M.A. No. 26/2025 in O.A. No. 310/2022 and O.A. No. 56/ 2024 titled Kamlesh Singh vs State of Uttar Pradesh & Ors, inter alia, gave following directions:

.....“1. *Learned AAG for the State of Uttar Pradesh has submitted that though the Central Pollution Control Board (CPCB) has filed the report dated 03.02.2025, but it has not enclosed therewith the reports of water sample analysis from the concerned laboratory*

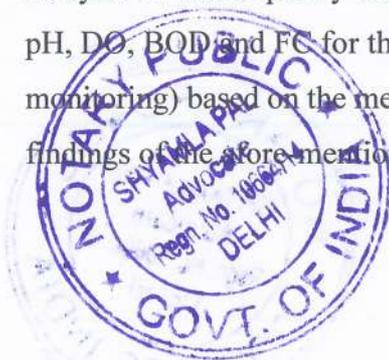
2. Learned Counsel for the CPCB submits that these reports will also be placed on record within one week.”

4. It is humbly submitted that CPCB in compliance of Hon'ble NGT order dated 23.12.2024, submitted its report dated 03.02.2025 wherein the water quality data collected from seven locations in the stretch from Shringverpur ghat (u/s of Prayagraj) to Deehaghat (d/s of Prayagraj) during 12th – 26th January, 2025, 10 Sewage Treatment Plants (STPs) installed at Prayagraj and 07 Geosynthetic Dewatering Tubes (Geo-tube) filtration sites had been reported.
5. In compliance of Hon'ble NGT order dated 19.02.2025, the laboratory analysis reports of water samples collected at the above-mentioned seven locations, STPs and Geo-tubes between 12th January to 26th January, 2025 were shared through email with UPPCB on 25.02.2025 and the same are placed at **Annexure-III**.
6. It is further submitted that in compliance of the orders of Hon'ble NGT dated 23.12.2024, following actions were taken by CPCB:
- i. Regular water quality monitoring (twice in a week) was undertaken at 7 locations - 5 locations on river Ganga and 2 locations on river Yamuna from 12th Jan, 2025 onwards at Shringverpur Ghat (about 43 KM Upstream of Sangam nose on River Ganga), Lord Kurzon Bridge (about 11KM Upstream of Sangam nose on River Ganga), Nagvasuki Mandir (about 3KM Upstream of Sangam nose on River Ganga), Sangam nose, Old Naini Bridge (about 2 KM Upstream of Sangam nose on River Yamuna), River Yamuna about 0.20 KM before confluence to Sangam nose and Deeha Ghat (about 17 KM downstream of Sangam nose). Additional water quality monitoring was also conducted on auspicious bathing (Amrit Snan) days including pre and post days of such auspicious bathing days at these locations. To further augment availability of water quality data, CPCB added three more water quality monitoring locations at Shastri Bridge (about 1.5KM Upstream of Sangam nose), Someshwar Chat (about



0.50KM Downstream of Sangam nose) and downstream of Delhi Public School (about 1.2KM Downstream of Sangam nose) with effect from 21.02.2025 thus taking the total number of water quality monitoring locations to 10.

- ii. Treated sewage quality was monitored at 10 STPs on fortnightly basis.
 - iii. Monitoring of 7 Geosynthetic Dewatering Tubes (geo-tube) filtration sites, which were set up as interim remedial measure for wastewater treatment of 21 untapped drains, was carried out on a fortnightly basis.
 - iv. Manual Monitoring data of river water quality, STPs and geo-tubes is being displayed on CPCB website (<https://cpcb.nic.in/>) at Maha Kumbh webpage (<http://103.7.181.103:4000/>) in public domain. Copy of the data maintained on the webpage is attached as **Annexure-IV**.
7. It is humbly submitted that there is a significant variability in the values on various parameters, viz. pH, Dissolved oxygen (DO), Biochemical Oxygen Demand (BOD) and Fecal Coliform Count (FC) for the samples taken from the same location on different dates. The values of the afore-mentioned parameters also vary at different locations for the samples collected on the same day. An expert committee in CPCB has examined the issue of variability in data and was of the view that the data represents a snapshot of water quality at a specific location and time and may vary significantly depending upon factors such as upstream anthropogenic activities, rate of flow, depth of sampling, time of sampling, river current and mixing of currents, sampling location and such other multiple factors. As a result, these values reflect water quality parameters at the exact time and place from where these water samples were collected and may not fully represent the overall characteristics of the river, therefore, not necessarily reflecting the overall river water quality throughout the river stretch.
8. It is further submitted that in view of the above-mentioned variability in the data, a statistical analysis of water quality data of various monitoring locations for parameters, specifically pH, DO, BOD and FC for the period 12th January to 22nd February, 2025 (twenty rounds of monitoring) based on the median values (central tendency of the data) was undertaken. Key findings of the afore-mentioned analysis are as follows:



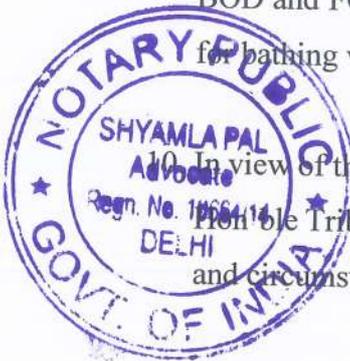
Monitoring Locations	Median pH	Median Dissolved Oxygen (DO) (in mg/l)	Median Biochemical Oxygen Demand (BOD) (in mg/l)	Median Fecal Coliform (FC) (in MPN/100 ml)
At Sangam nose	8.23	8.5	2.51	1700
All monitored locations* where mass bathing taking place viz. Lord Kurzon Bridge, Nagvasuki Mandir, Shastri Bridge, Sangam nose, Someshwar Ghat, at DPS, Old Naini Bridge & River Yamuna before confluence (distance of these 08 locations* w.r.t Sangam nose is mentioned in para 6(i) above)	8.22	8.6	2.56	1700
For all 10 monitored locations*	8.22	8.7	2.56	1400

Criteria/ Permissible limit for pH -6.5 – 8.5; DO - >5 mg/l; BOD - ≤ 3 mg/l, and; FC - ≤ 2500 MPN/100 ml for bathing water as notified under the Environment (Protection) Amendment Rules, 2000

*including 03 additional locations namely, Shastri Bridge, Someshwar Ghat & at DPS w.e.f. 21.02.2025

9. It is submitted that as per the above-mentioned statistical analysis, median value of pH, DO, BOD and FC for the monitored stretches is within the respective criteria/permissible limits for bathing water.

10. In view of the foregoing submissions, the answering respondent most humbly prays that the Hon'ble Tribunal may kindly pass such order(s) as may be deemed fit and proper in the facts and circumstances of this case.



दीनबन्धु गौड़ा / DEPONENT
 प्रभागीय प्रमुख, डबल्यू क्यू एम-11 / Division Head
 केन्द्रीय प्रदूषण नियंत्रण बोर्ड
 Central Pollution Control Board
 (पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)
 (M/o Environment, Forest & Climate Change, Govt. of India)
 परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली
 Parivesh Bhawan, East Arjun Nagar, Delhi-110058

VERIFICATION

28 FEB 2025

Verified at Delhi on this 28th day of February 2025 that the contents of this affidavit based on official record(s) maintained and information available in the office are true and correct, no part of it is false and nothing has been concealed there from.



[Handwritten Signature]

DEPONENT
दीनबन्धु गौड़ा / Dinabandhu Gouda
प्रभागीय प्रमुख, डबल्यू. एच. एम.सी. डिपार्टमेंट
केंद्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत)
(M/o Environment, Forest & Climate Change, Govt. of India)
परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032
Parivesh Bhawan, East Arjun Nagar, Delhi-110032

ATTESTED

[Handwritten Signature]
NOTARY PUBLIC DELHI
GOVT. INDIA

28 FEB 2025



दीनबन्धु गौड़ा / Dinabandhu Gouda
प्रभागीय प्रमुख, डबल्यू. एच. एम.सी. डिपार्टमेंट
केंद्रीय प्रदूषण नियंत्रण बोर्ड
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परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032
Parivesh Bhawan, East Arjun Nagar, Delhi-110032

Item Nos. 08 & 09

Court No. 1

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

Original Application No. 310/2022

Kamlesh Singh

Applicant

Versus

State of Uttar Pradesh

Respondent

WITH

M.A. No. 59/2024

In

Original Application No. 56/2024

Saurabh Tiwari

Applicant

Versus

Union of India & Ors.

Respondent(s)

Date of hearing: 23.12.2024

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

Applicant: Mr. Saurabh Tiwari, Applicant in Person in M.A No. 59/2024 (Through VC)

Respondents: Ms. Garima Prashad, AAG with Mr. Ankit Verma, Adv. for the State of UP
Mr. Gigi. C. George, Advs. for NMCG
Mr. Pradeep Misra & Mr. Daleep Dhyani, Advs. for UPPCB
Mr. Mukul Katyal, Adv. for CPCB
Mr. Raj Kumar, Adv. for CPCB in OA 310/2022

ORDER

1. In these matters, the Tribunal is considering the grievance about quality of water of river Ganga in Prayagraj and the allegation of discharge of untreated sewage through the drains in river Ganga and Yamuna with reference to the Magh Mela and the forthcoming Kumbh Mela.

2. The OA No. 310/2022 was registered on the basis of the letter petition raising the concern about environmental pollution in river Ganga due to discharge of sewage and incomplete work of laying of sewer-line/pipeline and inadequate steps to meet the requirement of fresh water in river Ganga and Yamuna in the forthcoming Kumbh Mela.

3. The MA No. 59/2024 has been registered on the basis of the report submitted by the joint Committee in pursuance to the order of the NGT dated 18.01.2024 passed in OA No. 56/2024. In the OA, the grievance was raised about the quality of water of river Ganga in Sangam Prayagraj and discharge of sewage from 50 drains after Rasulabad till Sangam, especially with reference to the forthcoming Kumbh Mela. The OA was disposed of by the Tribunal by order dated 18.01.2024 forming a joint Committee and with the direction to the joint Committee to ascertain the correct factual position, truthfulness of the allegations made in the OA and take appropriate remedial action. There was a further direction to the joint Committee to submit the action taken report before the Registrar General of the Tribunal and it was observed that if it is found necessary, the matter will be listed for consideration before the Tribunal.

4. In pursuance to the aforesaid direction, the joint Committee through the Uttar Pradesh Pollution Control Board (UPPCB) had filed the report on 26.04.2024 disclosing the gaps and short comings noticed by that during the inspection the joint Committee had found that out of 76 drains, 37 drains were tapped by the UP Jal Nigam and after treatment from 10 STP, the discharge is made in river Ganga and Yamuna. The report further stated about the proposed 3 STPs at Rajapur (90 MLD), Naini-1 (50 MLD) and Salori (43 MLD) for treating the sewage of untapped drains in forthcoming Kumbh Mela. It was stated in the report that from 5 places everyday water samples are collected from river Yamuna and

Ganga. Since the gaps were reflected in the report, therefore, the MA was registered and listed before the Tribunal.

5. The Central Pollution Control Board (CPCB) had filed the report dated 09.09.2024 in the MA No. 59/2024 disclosing the status of the drains discharging in Prayagraj District as follows:

“xxxxxx.....xxx

8. That, with respect to the drains discharging in Prayagraj district, following is submitted:

- i. As per the latest data available, the monitoring of total 59 drains discharging in Prayagraj district as per the inventory was carried out by CPCB during pre-monsoon 2023 (May 22, 2023 to June 23, 2023). The status of total 59 drains discharging from Prayagraj is annexed herewith as Annexure IV.
- ii. Out of total 59 drains, 27 drains confluence with River Ganga, 20 drains confluence with River Yamuna and 12 drains confluence with River Mansahaita. The tabular details are as follows:

River	No. of Drains	No. of Tapped drains	Total Flow (MLD)	Total BOD Load (TPD)
Ganga	27	12	130.01	6.74
Yamuna	20	8	3.67	0.25
Mansahaita	12	6	26.7	1.10

- iii. Out of these 59 drains, 58 drains are domestic drains and carry only domestic wastewater, 01 drain namely Ghaghar Nala, Harshvardhan Nagar is a mixed drain and carry both domestic wastewater and industrial effluent. The analysis of water quality in Ghaghar Nala showed Color-50 Hazen, BOD-36.5 mg/l and COD-135 mg/l.
- iv. The analysis of water quality in Maniya Drain (domestic drain) showed Color-100 Hazen, BOD-368 mg/l and COD-582 mg/l which carries domestic sewage from Mungari and nearby areas and cremation wastes. This indicates high contribution of pollution into river Ganga through Maniya Drain. However, other drains of Prayagraj district show the BOD. range from 7.6-135 mg/l and COD range from 31.9-300 mg/l.
- v. Interim remedial measures were found adopted in 21 drains, out of which 11. drains confluence with river Ganga, 04 drains confluence with river Yamuna and 06 drains confluence with river Mansahaita. However, non-operational non-functional interim remediation measure (bio-remediation

system) in 02 drains namely, Nehru Drain/Nehru Park Nala and Ghaghar Nala, Sadiyapur were observed.”

6. The CPCB in its report dated 09.09.2024 has disclosed the four locations where manual water quality monitoring of river Ganga is done under the National Water Quality Monitoring Programme on fortnight basis as under:

“6. That, with respect to the river Ganga water quality it is submitted as follows:

- i. The manual water quality monitoring of river Ganga is carried out at 04 locations under National Water Quality Monitoring Programme (NWMP) in the stretch passing through district Prayagraj, Uttar Pradesh on fortnightly basis by Uttar Pradesh Pollution Control Board (UPPCB).*
- ii. The 04 locations are namely,*
 - a. Prayagraj, Rasoolabad*
 - b. Prayagraj downstream, Sangam*
 - e. Before confluence with Tamas river &*
 - d. After confluence with Tamas river, Sirsa”*

7. The UPPCB had filed the report on 20.09.2024 disclosing the details of sewage generation in Prayagraj Nagar Nigam as under:

“xxxxxx.....xxx
 1. *Project Manager, Ganga Pollution Control Unit, U.P. Jal Nigam (Rural), Prayagraj has informed that presently total sewage generation in Prayagraj city through 81 nos. drains and sewerage network is about 468.28 MLD out of which 394.48 MLD sewage is treated through existing 10 STP's. Total gap in treatment capacity is 128.28 MLD. Details of sewage generation & gap analysis is being attached as Annexure-01 and 02 to this response.*

2. The Project Manager, Ganga Pollution Control Unit, U.P. Jal Nigam (Rural), Prayagraj has informed regarding tapped & untapped drains joining River Ganga & Yamuna in Prayagraj Nagar Nigam, Prayagraj. Details of tapped drains & untapped drains joining River Ganga & Yamuna is being attached as Annexure-03 and 04 to this response.

3. The Project Manager has also informed regarding action plan for treatment of remaining waste water through 03 additional STPs with total capacity of 183 MLD to fulfill the gap in sewage generation and treatment, along with tapping of untapped drains in Prayagraj Nagar Nigam, Prayagraj. A project for Onsite Treatment of Drains to treat the waste water of those untapped drains whose completion time for Gange Programme is going beyond Mahakumbh-2025 period, of Rs

55.57 crores, sanctioned by NMCG, New Delhi on 24.7.2024 will be executed by Nagar Nigam, Prayagraj/UP Jal Nigam (Urban), to maintain river water quality for the pilgrimage. The details of 03 additional STPs and above sanctioned project is Annexed as Annexure-05 to this response.

4. The officials of the UPPCB, Prayagraj have inspected the site of the 40 untapped drains i.e. 25 drains meeting to River Ganga & 15 drains meeting to River Yamuna at Prayagraj on 30.07.2024 & 31.07.2024.”

8. The above report revealed that untreated sewage through the untapped drains was flowing into the river and there was a gap in the generation and treatment of sewage. The status of the 10 STPs in Prayagraj mentioned in the report was as follows:

Sl. No.	Name of STP	Design Capacity (MLD)	Year of commencement	Technology	Status	Name of Agency for operation of STPs	Recipient aquatic body of treated sewage
01	Nalni	80	2021	ASP	Operational	UP Jal Nigam (Rural)	Directly discharging into River Yamuna
02	Nalni	42	2023	FCR	Operational	UP Jal Nigam (Rural)	Directly discharging Into River Yamuna
03	Numayadahi	50	2020	Bio-Tower and ASP	Operational	UP Jal Nigam (Rural)	Directly Discharging into River Yamuna
04	Salon	29	2020	FAB	Operational	UP Jal Nigam (Rural)	Directly Discharging into River Ganga
05	Salori	14	2016	SBR	Operational	UP Jal Nigam (Urban)	Directly discharging into River Ganga
06	Rajapur	60	2021	UASB	Operational	UP Jal Nigam (Rural)	Directly discharging into River Ganga.
07	Kodra	25	2020	Bio-Tower and ASP	Operational	UP Jal Nigam (Rural)	Directly discharging into River Ganga.
08	Ponghat	10	2020	Bio-Tower and ASP	Operational	UP Jal Nigam (Rural)	Directly discharging into River Ganga
09	Phaphamau	14	2023	FCR	Operational	UP Jal Nigam (Rural)	Directly discharging into River Ganga
10	Jhunsi	16	2023	FCR	Operational	UP Jal Nigam (Rural)	Directly discharging into River Ganga

9. The UPPCB in its report dated 20.09.2024 had the following five sample points:

“

Sl. No.	Location of Sampling point	Date of sample collection	Parameters					
			pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100 ml)	Feecal Coliform (MPN/10 ml)
1	River Ganga Upstream Near Fatehpur Ghat, Prayagraj	30.07.2024	8.11	7.9	2.5	8.0	1300	450
2	River Ganga Downstream near Shastri bridge, Prayagraj	30.07.2024	8.25	7.6	2.8	12.0	1700	930
3	River Ganga at Sangam, Prayagraj	30.07.2024	8.17	7.7	2.7	10.0	1500	610
4	River Ganga Downstream after confluence with River Yamuna near Chhatnag Ghat, Prayagraj	30.07.2024	8.13	7.5	2.9	13.0	2100	780
5	River Yamuna at Sarswati Ghat, Prayagraj	30.07.2024	8.07	7.8	2.6	8.8	1300	610
Standards Primary Water Quality Criteria for bathing water (water used for organized outdoor bathing)			Between 6.5-8.5	5.0 mg/l or more	3.0 mg/l or less	-	-	500 MPN/100 ml (Desirable) 2500 MPN/100 ml (Maximum permissible)

”

10. In the aforesaid background, the Tribunal by order dated 09.12.2024 had granted time to the State of UP to place on record the comprehensive sewage management system/plan prepared by the authorities in Prayagraj keeping in view the existing load and expected increased load during the Maha Kumbh 2025.

11. The affidavit of the Principal Secretary, Environment, Forest and Climate Change Department, State of UP dated 13.12.2024, has been

filed in compliance with the order dated 09.12.2024. This affidavit discloses the present status of the generation and treatment of sewage, the expected increase on account of influx during the Maha Kumbh Mela, the current status of flow in the drains and expected increase and the steps that have been taken to ensure the prevention of discharge of untreated sewage in river Ganga and Yamuna in District Prayagraj. The latest affidavit of the Principal Secretary, Environment discloses the status of sewage generation and treatment as under:

“xxxxxx.....xxx
 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: -

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	

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	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	29 and 14 MLD Salori STP
9	Chilla Drain	Ganga	1.23	1.35	
10	Allenganj Nala / Buxi Bund Drain	Ganga	20.56	22.62	
	Salori Drain (Partially Tapped)	Ganga	11.30	12.43	60 MLD Rajapur STP
11	Mehdauri Gaon Drain	Ganga	1.48	1.63	
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	10 MLD Ponghat STP
18	Ponghat Nala	Ganga	7.71	8.48	
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	

S. No.	Name of Drains	RIVER	Current Flow (MLD)	Expected flow during Mahakumbh (MLD)	Diverted & treated on STP
1	2	3	4	5	6
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	
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
2	Dariyabad Pipalghat Drain	Yamuna	0.120	0.13		

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
						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.
3	Salori Drain (Partially)	Ganga	8.783	9.66	Under Construction 43 MLD Salori (Current progress of work is 30% and as per schedule, work shall be commissioned by August, 2025)	In view of upcoming Mahakumbh-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.
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		
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		
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		

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
22	Sadar Bazar Drain	Ganga	4.787	5.27	2026)	4
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 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

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
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	-	
43	Fort Drain no. - 1	Yamuna	0	0.00	-	
44	Fort Drain no. - 2	Yamuna	0	0.00	-	Dry weather flow of these drains are zero
	Total		77.42	85.16		

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	
Not	Project mentioned above in Sr. No. (i), (ii) & (iii) will not be completed before				

S. No.	Action Plan	Nos of drains	Discharge (MLD)	Proposed STP (MLD)	Current Progress
1	2	3	4	5	6
e	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		

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

<i>Sewerage District</i>	<i>Name of STPs</i>	<i>Name of Technology</i>	<i>Year of Commissioning</i>	<i>Design Capacity (in mld)</i>	<i>Current Utilized Capacity (in mld)</i>	<i>Functioning/Performance</i>
<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
A	80 MLD Naini-I	Activated Sludge Process	1998	80	95-115	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
B	50 MLD Numayadahi	Bio Tower + Activated Sludge Process	2013	50	57-63	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
C	29 MLD Salori 1	Fluidized Aerobic Bed Reactor	2007	29	32-41	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
	14 MLD Salori 2	Sequential Batch Reactor	2016	14	13-14	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
D	60 MLD Rajapur	Upflow Anaerobic Sludge Blanket Reactor	2013	60	73-80	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
E	25 MLD Kodra	Bio Tower + Activated Sludge Process	2013	25	28-31	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
	10 MLD Ponghat	Bio Tower + Activated Sludge Process	2013	10	12-14	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
F	14 MLD Phaphamau	Food Chain Reactor	2023	14	13-18	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
G	42 MLD Naini-II	Food Chain Reactor	2023	42	35-40	Compliance w.r.t. MoEF & CC Norms dated 13 th October, 2017
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	

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
 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, FeCl₃, 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-12012/4/2024-0/0 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 UP 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**.

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 fecal coliform, therefore the Advanced 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.”

12. The affidavit of the Principal Secretary, Environment discloses the following action plan to manage excess sewage generation during the mela:-

“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/ 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	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 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	3 Nos	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			

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.

Sr No	Sewerage District	Population	No. of Households in Sewerage District	Existing Street Length	Existing Sewer Line Length	No of Households 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 Vibhag	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 Vibhag	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	

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
6	District-F	340	Jalkal Vibhag	DPR to be Prepared Under State Sector
7	District-G	0	Jalkal Vibhag	

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 2.0 below 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 Faecal 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
- (iii) 50 KLD Faecal Sludge (Co-Treatment) Plant at Salori-Operational.”

13. So far as the septage management during the Maha Kumbh in the mela area is concerned, the affidavit discloses as under:

“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 Feecal 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 Feecal 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.”*

14. In respect of the grey water treatment, it has been disclosed in the affidavit that:

“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 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.

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 Agreement No.	Amount	Name of Firm	Date of Start	Date of Completion
<u>1</u>	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
<u>2</u>	Survey , Design, Supply, Installation ,of V-Notch, Dosing Enzymes & Chemicals, Dosing Units , Piping and fitting arrangements and other Treatment	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:	01.10.2024	31.03.2025

	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			shravani:1lk2976@gmail. com (35%)		
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, Dasna Dehat, 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	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

	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					
<u>5</u>	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
<u>6</u>	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	04/E.E./2024-25	4237441.69	M/s VasudhaSanrakshan Private Limited., Palpur, Jagdishpur, Amethi, Uttar Pradesh- 227809	01.10.2024	31.03.2025

	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 and V-notch during Maha Kumbh Mela period					
<u>7</u>	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
<u>8</u>	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	36/SECCPYJ-MK-2024/2024-25	15632531.01	M/s. Shivay Constructions, Sector-K-312, L.D.A., Ashiyana Colony, Kanpur Road, Lucknow-226018.	01.01.2025	30.09.2025

	50 KLD Capacity at Jhansi 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 Jhansi area as per directions of Engineer-in-Charge.					
<u>9</u>	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
<u>10</u>	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, Tiwariyan Sukulpur, Meja, Prayagraj	29.09.2024	28.03.2025
<u>11</u>	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	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

	departmental store under Package-2 in Sector 3, 4 & 5 of Mahakumbh Mela					
<u>12</u>	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
<u>13</u>	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
<u>14</u>	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
<u>15</u>	Laying & jointing of	13/SECCPYJ-MK-	30160601.65	M/s Durgawati Global Project Pvt. Ltd. (JV) M/s	03.10.2024	31.03.2025

	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-6 in Sector 17, 18,19 & 20 of Mahakumbh Mela	2025/2024-25		Baba Construction Pvt. Ltd., Durgawati Hospital, Bus Station, Barhalganj, Gorakhpur.		
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

15. To create the public awareness, the following steps are stated to be taken:

*“27. That the Kumb Mela Adhikari, 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.**”*

16. The Applicant in the MA has filed objection to the report of the Principal Secretary, Environment and during the course of hearing he has referred to paragraph 3 of the objection concerning the discharge of untreated sewage in river Ganga at Daraganj, Prayagraj and Mehdauri Colony, Rasulabad. Ld. AAG, State of UP has informed that at all these three locations, the steps have been taken to prevent the discharge of untreated sewage in river Ganga by adopting geo-tube treatment.

17. The Ld. AAG, State of UP, on instructions, has stated that during the Maha Kumbh 2025 no drain in Prayagraj will discharge untreated sewage in river Ganga or Yamuna and that it will be ensured that the water quality does not go above 30 mg/l of BOD though the attempt would be aimed at maintaining the standard of 10 mg/l of BOD and fecal coliform to be 100 MPN/100 ml.

18. During the Maha Kumbh 2025 regular monitoring of the water quality of the river Ganga and Yamuna is necessary at frequent intervals to meet primary water quality criteria.

19. Hence, we dispose of the MA and OA with the following directions:-

- i) During the Maha Kumbh in order to have a better monitoring mechanism and to ensure that on account of the unwanted flow of untreated sewage in river Ganga and Yamuna, the pilgrims who come for holy bath may not suffer, the CPCB and UPPCB will increase their monitoring points and frequency of monitoring on river Ganga and Yamuna.
- ii) The CPCB and UPPCB will take the water samples from river Ganga and Yamuna from the points atleast twice a week at regular intervals by avoiding duplicacy of sample on the same day and will display the sample analysis report on the website of UP PCB and CPCB. The report will also include performance of STPs and geo-tubes.
- iii) Periodic samples will be collected by UP PCB and CPCB at the outlet of STPs and advanced oxidation ponds and the analytical reports be uploaded on website of PCB and CPCB. Apart from the above, the online monitoring data will also be uploaded.
- iv) The sample analysis report will be sent by CPCB and UP PCB during the Mela fortnightly to the Registrar General of the Tribunal so that in case of need, the matter can be listed for consideration again.
- v) The solid waste generated during the event will be managed as per the prescribed Rules relating to its management and disposal.
- vi) It has been pointed out that the Magh Mela will continue from 12.01.2025 till 26.02.2025 for about 45 days and there will be six important bathing days. The regulatory agencies will strengthen the management system and be more prompt in ensuring the

compliance, especially during the days of increase footfall. The authorities will ensure that no untreated sewage and solid waste from any of the drains in Prayagraj is discharged in river Ganga and Yamuna. The UP PCB and CPCB shall ensure that the river water quality at all times is drinking water/bathing water quality.

- vii) During the Maha Kumbh and after the Maha Kumbh is over, the authorities will take steps for effective disposal of the sludge generated in the STPs and deposited in geo-tubes by following the requisite environmental norms and for the same, performance report shall be filed.
- viii) In addition to submitting the sample analysis report as directed in para (iv) above, the CPCB and UPPCB will submit comprehensive action taken report before the Registrar General of the Tribunal by 31.01.2025 and 28.02.2025 disclosing the status of compliance.

20. The MA and OA are accordingly disposed of.

Prakash Shrivastava, CP

Dr. A. Senthil Vel, EM

December 23, 2024
Original Application No. 310/2022
with M.A. No. 59/2024
In Original Application No. 56/2024
dv

Item No. 16

Court No. 1

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

M.A. No. 26/2025

In

Original Application No. 310/2022

And

Original Application No. 56/2024

Kamlesh Singh

Applicant

Versus

State of Uttar & Ors.

Respondent(s)

Date of hearing: 19.02.2025

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

Applicant: Mr. Saurabh Tiwari, Applicant in Person in OA No. 56/2024 (Through VC)

Respondents: Ms. Garima Prashad, AAG with Mr. Ankit Verma, Adv. with Mr. Raj Shekhar (Through VC), PD, SMCg, Mr. Amit Singh (Through VC), MD, Jal Nigam Urban & Mr. Sanjeev Singh (Through VC), Member Secretary, UPPCB
Mr. Bhanwar Pal Singh Jadon, Mr. Harsh Vardhan Singh Rajawat, Ms. Gargi Chaturvedi & Ms. Anjali Shamra, Advs. for UP Jal Nigam Urban (Through VC)
Mr. Gigi. C. George & Mr. Ishwer Singh, Advs. for NMCg & CWC
Mr. Amit Shukla, Adv. for UPPCB
Mr. Raj Kumar, Adv. for CPCB

ORDER

1. Learned AAG for the State of Uttar Pradesh has submitted that though the Central Pollution Control Board (CPCB) has filed the report dated 03.02.2025, but it has not enclosed therewith the reports of water sample analysis from the concerned laboratory.

2. Learned Counsel for the CPCB submits that these reports will also be placed on record within one week.

3. Learned AAG submits that the report will be duly examined and appropriate action will be taken. She submits that within a week from the

receipt of the report, the response will be filed. She further submits that the corrective actions are being taken.

4. Learned Counsel for the UPPCB submits that the recent water sample analysis reports are available with him and he will place them on record within one week.

5. List on 28.02.2025.

Prakash Shrivastava, CP

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

February 19, 2025
M.A. No. 26/2025
In Original Application No. 310/2022
And Original Application No. 56/2024
dv



NGRBA Legal <ngrba.legal@gmail.com>

Analysis results in compliance of NGT order dated 19.02.2025 in the matter of O.A. No. 310 of 2022

1 message

NGRBA Legal <ngrba.legal@gmail.com>

Tue, Feb 25, 2025 at 3:45 PM

To: MS UPPCB <ms@uppcb.in>

Cc: reena satavan <reenasatawan.cpcb@nic.in>, Dinabandhu Gouda <dinabandhu.cpcb@nic.in>, rdlucknow.cpcb@gov.in

Sir/ Ma'am,

In compliance to the NGT order dated 19.02.2025 in the matter of O.A. No. 310 of 2022 please find attached the analysis results.

Regards,

--

Team Legal***Water Quality Management-II Division*****Central Pollution Control Board, Delhi***Parivesh Bhawan, East Arjun Nagar**Shahdara, Delhi - 110032***8. Lab Analysis Report-1st Phase 12-24 Jan, 2025 (2).pdf**

9171K

1838

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ

फोन : 0522 : 4087600, 4087700

PICUP Bhawan, Vibhuti Khand, Gominagar, Lucknow
Phone : 0522- 4087600, 4087700Fresh water
TEST REPORT

S.No: F/2025/08

	Date of test report:24/01/2025	Date/period of testing: 15-21/01/2025
1	परियोजना /Project/Test Programme	PIAS – ext
2	नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3	नमूने का प्रकार /गैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Dr. Ravi P. Mishra, RA & Sh. Shivam Singh, RA
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	12/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	14/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8	विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			MK-01	MK-02	MK-03	MK-04	MK-7	YR-11	YR-21
1.	पी एच/ pH		7.45 (20.1°C)	7.41 (20.0°C)	7.48 (20.1°C)	7.52 (20.3°C)	7.63 (20.0°C)	7.87 (20.1°C)	7.84 (20.0°C)
2.	तापमान/ Temperature *	°से/°C	15	15	16	17	16	17	17
3.	गंदलापन / Turbidity	एन.टी.यू./NTU	20.0	28.0	41.0	10.0	11.0	8.0	6.3
4.	रंग/ Colour	हैज़न/ Hazen	05	05	10	10	05	05	05
5.	घुलित आक्सीजन/ DO*	मि.ग्रा./ली. mg/L	9.0	8.8	8.7	8.5	7.9	8.0	8.1
6.	सी ओ डी /COD	मि.ग्रा./ली. mg/L	9.54	9.44	8.65	14.9	22.8	12.8	13.8
7.	बी ओ डी /BOD	मि.ग्रा./ली. mg/L	2.44	2.36	2.16	3.74	5.24	4.52	3.64

विश्लेषण विधि हेतु कृ.प.ज./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

CODE	Description
MK-01	R. Ganga at Prayagraj
MK-02	R. Ganga at Prayagraj
MK-03	R. Ganga at Prayagraj
MK-04	R. Ganga at Prayagraj
MK-07	R. Ganga at Prayagraj
YR-11	R. Yamuna at Prayagraj
YR-21	R. Yamuna at Prayagraj

Page.....1/2

Poonam Pandey
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Note: 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

Anurika
24/01/25
(जॉड अनामिका सिंह)
वैज्ञानिक 'ग' एवं प्रयागी प्रयोगशाला
के प्रो प्रो कोड लखनऊ

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Temperature	APHA 2550 A+B, 23 rd Ed. 2017	1 -50 °C
Colour	APHA 2120-B, 23 rd Ed. 2017	5 - 100 Hazen
pH	APHA 4500 H ⁺ -B, 23 rd Ed. 2017	2- 12
Turbidity	APHA 2130 B, 23 rd Ed. 2017	1.0NTU - 100 NTU
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L - 500 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L - 50 mg/L
Dissolved Oxygen	APHA 4500-OC, 23 rd Ed. 2017	1.0mg/L -12 mg/L

1. APHA - American Public Health Association
2. IS - Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2

Poonam
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
24/01/25

(डॉ० अनामिका सिंह)
बैज्ञानिक 'य' एवं प्रशासक प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ
समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ

फ़ोन : 0522 : 4087600, 4087700



PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow

Phone : 0522- 4087600, 4087700



**Fresh water
TEST REPORT**

S.No: F/2025/08(TC/FC)

	Date of test report:24/01/2025	Date/period of testing:13-16/01/2025
1	परियोजना /Project/Test Programme	PIAS – ext
2	नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3	नमूने का प्रकार /गैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Dr. Ravi P. Mishra, RA & Sh. Shivam Singh, RA
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	12/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	13/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8	विक्षेपण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			MK-01	MK-02	MK-03	MK-04	MK-7	YR-11	YR-21
1.	कुल कॉलीफॉर्म /T-Coliforms	MPN/100ml	4.5x10 ³	7.8 x10 ³	4.5x10 ³	4.5x10 ³	1.7x10 ⁴	1.7x10 ⁴	7.0x10 ⁴
2.	फीकल कॉलीफॉर्म/F-Coliforms	MPN/100ml	<1.8	<1.8	<1.8	2.0x10 ³	4.5x10 ³	2.0x10 ³	4.5x10 ³

विक्षेपण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

CODE	Description
MK-01	R. Ganga at Prayagraj
MK-02	R. Ganga at Prayagraj
MK-03	R. Ganga at Prayagraj
MK-04	R. Ganga at Prayagraj
MK-07	R. Ganga at Prayagraj
YR-11	R. Yamuna at Prayagraj
YR-21	R. Yamuna at Prayagraj

Page.....1/2

Poonam
24/01/25
(Poonam Pandey)

Anamika
24/01/25
(डॉ० अनामिका सिंह)
बैज्ञानिक 'द' एवं प्रमारी प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

1841

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Total Coliform	APHA 23rd Ed. 2017, 9221-A, B & C	1.8 - >1600 MPN/100 mL
Fecal Coliform	APHA 23rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

1. APHA - American Public Health Association
2. IS - Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2

Poonam
24/1/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
24/01/25
(डॉ० अनामिका सिंह)
केन्द्रीय 'ग' एवं प्रमारी प्रयोगशाला
केन्द्रीय प्रदूषण नियंत्रण बोर्ड, लखनऊ
समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

1842

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन , विभूति खण्ड, गोमती नगर, लखनऊ

फ़ोन : 0522 : 4087600, 4087700

PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow
Phone : 0522- 4087600, 4087700Fresh water
TEST REPORT

S.No: F/2025/09

	Date of test report:24/01/2025	Date/period of testing:15-21/01/2025
1	परियोजना /Project/Test Programme	PIAS-ext
2	नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3	नमूने का प्रकार /शैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Dr. Ravi P. Mishra, RA & Sh. Shivam Singh, RA
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	13/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	15/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8	विक्षेपण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			MK-10	MK-09	MK-08	MK-4	MK-3	YR-1	YR-2
1.	पी एच/ pH		7.88 (20.8°C)	7.93 (20.8°C)	7.91 (20.5°C)	7.92 (20.6°C)	8.09 (20.4°C)	8.08 (20.4°C)	8.11 (21.9°C)
2.	तापमान/ Temperature *	°से./°C	16	16	15	16	16.5	17.0	17.0
3.	गंदलापन / Turbidity	एन.टी.यू./NTU	26.0	40.0	45.0	9.60	12.0	9.07	6.10
4.	रंग/ Colour	हेज़न/ Hazen	05	10	10	10	10	05	05
5.	घुलित आक्सीजन/ DO *	मि.ग्रा./ली. mg/L	9.1	7.0	8.9	9.2	9.5	9.0	9.0
6.	सी ओ डी / COD	मि.ग्रा./ली. mg/L	11.9	8.95	19.9	14.2	13.6	16.5	15.4
7.	बी ओ डी / BOD	मि.ग्रा./ली. mg/L	3.42	2.22	4.48	3.94	3.58	4.70	4.82

विक्षेपण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

CODE	Description
MK-10	R. Ganga at Prayagraj
MK-09	R. Ganga at Prayagraj
MK-08	R. Ganga at Prayagraj
MK-4	R. Ganga at Prayagraj
MK-3	R. Ganga at Prayagraj
YR-1	R. Yamuna at Prayagraj
YR-2	R. Yamuna at Prayagraj

Page.....1/2

Poonam
24/01/25
(Poonam Pandey)

Anandika
24/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'य' एवं प्रमाणी प्रयोगशाला,
के० प्र० नि० बोर्ड, लखनऊ

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

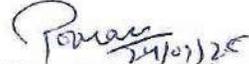
केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Temperature	APHA 2550 A+B, 23 rd Ed. 2017	1 -50 °C
Colour	APHA 2120-B, 23 rd Ed. 2017	5 – 100 Hazen
pH	APHA 4500 H ⁺ -B, 23 rd Ed. 2017	2- 12
Turbidity	APHA 2130 B, 23 rd Ed. 2017	1.0NTU - 100 NTU
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L – 500 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L – 50 mg/L
Dissolved Oxygen	APHA 4500-OC, 23 rd Ed. 2017	1.0mg/L -12 mg/L

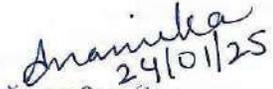
1. APHA - American Public Health Association
2. IS – Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2


(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)


(डॉ० अनामिका शि)
वैज्ञानिक 'य' एवं प्रभारी प्रयोगशाला
केन्द्रीय प्रदूषण नियंत्रण बोर्ड, दिल्ली

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

1844

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला				Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1				
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM				

पिकप भवन , विभूति खण्ड, गोमती नगर, लखनऊ

फ़ोन : 0522 : 4087600, 4087700

PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow
Phone : 0522- 4087600, 4087700Fresh water
TEST REPORT

S.No: F/2025/09(TC/FC)

	Date of test report:24/01/2025	Date/period of testing:14-17/01/2025
1	परियोजना /Project/Test Programme	PIAS-ext
2	नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3	नमूने का प्रकार /ग्रेब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Dr. Ravi P. Mishra, RA & Sh. Shivam Singh, RA
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	13/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	14/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8	विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम नं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			MK-10	MK-09	MK-08	MK-4	MK-3	YR-1	YR-2
1.	कुल कॉलीफॉर्म /T-Coliforms	MPN/100ml	4.9x10 ⁴	4.5x10 ⁴	4.5x10 ⁴	4.5x10 ³	1.3x10 ³	3.3x10 ³	9.3x10 ⁴
2.	फीकल कॉलीफॉर्म/F-Coliforms	MPN/100ml	2.3x10 ⁴	2.0x10 ³	2.0x10 ³	<1.8	3.3x10 ⁴	2.0x10 ³	1.1x10 ⁴

विश्लेषण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

CODE	Description
MK-10	R. Ganga at Prayagraj
MK-09	R. Ganga at Prayagraj
MK-08	R. Ganga at Prayagraj
MK-4	R. Ganga at Prayagraj
MK-3	R. Ganga at Prayagraj
YR-1	R. Yamuna at Prayagraj
YR-2	R. Yamuna at Prayagraj

Page.....1/2

Poonam
24/01/25
(Poonam Pandey)

Anamika
29/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'न' एच प्रभाषी प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Total Coliform	APHA 23rd Ed. 2017, 9221-A, B & C	1.8 - >1600 MPN/100 mL
Fecal Coliform	APHA 23rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

1. APHA - American Public Health Association
2. IS - Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2

Poonam
24/01/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
24/01/25
(जॉ अनामिका सिंह)
वैज्ञानिक 'ग' एवं प्रभारी प्रयोगशाला
केन्द्र प्रदूषण नियंत्रण बोर्ड, लखनऊ

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन , विभूति खण्ड, गोमती नगर, लखनऊ

फ़ोन : 0522 : 4087600, 4087700

PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow
Phone : 0522- 4087600, 4087700Fresh water
TEST REPORT

S.No: F/2025/10

Date of test report:24/01/2025	Date/period of testing:16-21/01/2025
1 परियोजना /Project/Test Programme	PIAS-ext
2 नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3 नमूने का प्रकार /गैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4 नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Dr. Ravi P. Mishra, RA & Sh. Shivam Singh, RA
5 नमूना एकत्रीकरण की तिथि/Date of Sample collection	14/01/2025
6 प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	16/01/2025
7 नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8 विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			RG-1	R-D2	R-3	R-D1	DG	YR-01	YR-02
1.	पी एच/ pH		7.64 (20.1°C)	7.84 (20.0°C)	7.88 (20.2°C)	7.86 (20.6°C)	7.97 (20.3°C)	8.19 (20.2°C)	8.17 (20.1°C)
2.	तापमान/ Temperature *	*से./°C	15	15	15	15	15	15	15
3.	गंदलापन / Turbidity	एन.टी.यू./NTU	31.0	31.0	40.0	20.6	15.0	8.00	7.30
4.	रंग/ Colour	हैज़न/ Hazen	05	05	05	05	05	05	10
5.	घुलित आक्सीजन/ DO *	मि.ग्र./ली. mg/L	9.2	8.9	8.8	7.8	7.5	8.2	8.3
6.	सी ओ डी / COD	मि.ग्र./ली. mg/L	BDL	5.70	5.50	11.5	8.54	5.50	6.00
7.	बी ओ डी / BOD	मि.ग्र./ली. mg/L	BDL	1.63	1.25	2.18	2.49	1.06	1.66

विश्लेषण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

CODE	Description
RG-1	R. Ganga at u/s of Prayagraj at Shringverpur
R-D2	R. Ganga near Lord Karjan bridge at Phaphamau
R-3	R. Ganga near Nagvasuki Mandir pantoon pul no 15 b/f Shastri bridge
R-D1	R. Ganga at Sangam
DG	R. Ganga d/s at Deeha Ghat
YR-01	R. Yamuna b/f confluence to R. Ganga near old naini Bridge
YR-02	R. Yamuna b/f confluence to R. Ganga at Sangam

Page.....1/2

Poonam
24/01/25
(Poonam Pandey)

Anamika
24/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'य' एवं प्रभारी प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Temperature	APHA 2550 A+B, 23 rd Ed. 2017	1 -50 °C
Colour	APHA 2120-B, 23 rd Ed. 2017	5 - 100 Hazen
pH	APHA 4500 H ⁺ -B, 23 rd Ed. 2017	2- 12
Turbidity	APHA 2130 B, 23 rd Ed. 2017	1.0NTU - 100 NTU
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L - 500 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L - 50 mg/L
Dissolved Oxygen	APHA 4500-OC, 23 rd Ed. 2017	1.0mg/L -12 mg/L

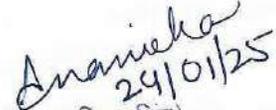
1. APHA - American Public Health Association
2. IS - Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2


(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)


24/01/25
(डॉ० अनामिका सिंह)
केन्द्रीय 'य' एच प्रमोसि प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ
समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

1848

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ
फ़ोन : 0522 : 4087600, 4087700

PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow
Phone : 0522- 4087600, 4087700



Fresh water
TEST REPORT

S.No: F/2025/10(TC/FC)

	Date of test report:24/01/2025	Date/period of testing:15-20/01/2025
1	परियोजना /Project/Test Programme	PIAS-ext
2	नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3	नमूने का प्रकार /शैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Dr. Ravi P. Mishra, RA & Sh. Shivam Singh, RA
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	14/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	15/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8	विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम नं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			RG-1	R-D2	R-3	R-D1	DG	YR-01	YR-02
1.	कुल कॉलीफॉर्म /T-Coliforms	MPN/100ml	2.0x10 ³	4.5x10 ³	1.7x10 ⁴	4.9x10 ⁴	3.3x10 ⁴	7.9x10 ⁴	7.8x10 ³
2.	फीकल कॉलीफॉर्म/F-Coliforms	MPN/100ml	<1.8	<1.8	4.5x10 ³	1.1x10 ⁴	1.7x10 ⁴	3.3x10 ⁴	2.0x10 ³

विश्लेषण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

CODE	Description
RG-1	R. Ganga at u/s of Prayagraj at Shringverpur
R-D2	R. Ganga near Lord Karjan bridge at Phaphamau
R-3	R. Ganga near Nagvasuki Mandir pantoon pul no 15 b/f Shastri bridge
R-D1	R. Ganga at Sangam
DG	R. Ganga d/s at Deeha Ghat
YR-01	R. Yamuna b/f confluence to R. Ganga near old naini Bridge
YR-02	R. Yamuna b/f confluence to R. Ganga at Sangam

Page.....1/2

Poonam
(Poonam Pandey)

Anamika
24/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'ग' एवं प्रभारी प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

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1849

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Total Coliform	APHA 23rd Ed. 2017, 9221-A, B & C	1.8 - >1600 MPN/100 mL
Fecal Coliform	APHA 23rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

1. APHA - American Public Health Association
2. IS - Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2

Poonam Pandey
(Poonam Pandey)

आख्या बताने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
24/01/25
(डॉ० अनामिका सिंह)
बैज्ञानिक 'ग' एवं प्रमारी प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ
समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ

फोन : 0522 : 4087600, 4087700



PICUP Bhawan, Vibhuti Khand, Gominagar, Lucknow

Phone : 0522- 4087600, 4087700



**Fresh water
TEST REPORT**

S.No: F/2025/11

	Date of test report:24/01/2025	Date/period of testing:16-21/01/2025
1	परियोजना /Project/Test Programme	PIAS-ext
2	नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3	नमूने का प्रकार /गैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Dr. Ravi P. Mishra, RA & Sh. Shivam Singh, RA
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	15/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	16/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8	विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S.No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			MK-22	MK-23	MK-24	MK-27	MK-28	MK-25	MK-26
1.	पी एच/ pH		8.21 (20.6°C)	8.19 (20.8°C)	8.11 (20.0°C)	8.19 (20.1°C)	8.20 (20.2°C)	8.16 (20.0°C)	8.22 (20.1°C)
2.	तापमान/ Temperature *	*से.°C	14	14	14	14	14	14	14
3.	गंदलापन / Turbidity	एन.टी.यू./NTU	28.7	33.9	45.0	50.0	15.0	13.6	12.4
4.	रंग/ Colour	हैज़न/ Hazen	05	05	05	05	05	05	05
5.	घुलित आक्सीजन/ DO *	मि.ग्र./ली. mg/L	9.0	8.9	8.9	8.5	8.6	8.8	8.9
6.	सी ओ डी / COD	मि.ग्र./ली. mg/L	BDL	BDL	5.50	BDL	BDL	BDL	6.30
7.	बी ओ डी / BOD	मि.ग्र./ली. mg/L	BDL	BDL	1.09	BDL	BDL	BDL	BDL
8.	कुल कॉलीफॉर्म /T-Coliforms	MPN/100ml	2.0x10 ³	4.9x10 ⁴	1.3x10 ⁵	2.0x10 ⁴	7.8x10 ³	3.3x10 ⁴	4.9x10 ⁴
9.	फीकल कॉलीफॉर्म/F-Coliforms	MPN/100ml	<1.8	7.8x10 ³	1.3x10 ⁴	6.8x10 ³	4.5x10 ³	2.0x10 ³	2.0x10 ³

विश्लेषण विधि हेतु कु.प.उ./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

CODE	Description
MK-22	R. Ganga at u/s of Prayagraj at Shringverpur
MK-23	R. Ganga near Lord Karjan bridge at Phaphamau
MK-24	R. Ganga near Nagvasuki Mandir pantoon pul no 15 b/f Shastri bridge
MK-27	R. Ganga at Sangam
MK-28	R. Ganga d/s at Deeha Ghat
MK-25	R. Yamuna b/f confluence to R. Ganga at Sangam
MK-26	R. Yamuna b/f confluence to R. Ganga near old naini Bridge

Page.....1/2

Poonam
24/01/25
(Poonam Pandey)

Anandika
24/01/25
(डॉ० अनासिकता सिंह)
वैज्ञानिक 'ब' एवं प्रमाणीकरणकर्ता
के० प्र० नि० बोर्ड, लखनऊ

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Temperature	APHA 2550 A+B, 23 rd Ed. 2017	1 -50 °C
Colour	APHA 2120-B, 23 rd Ed. 2017	5 – 100 Hazen
pH	APHA 4500 H ⁻ -B, 23 rd Ed. 2017	2- 12
Turbidity	APHA 2130 B, 23 rd Ed. 2017	1.0NTU - 100 NTU
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L – 500 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L – 50 mg/L
Dissolved Oxygen	APHA 4500-OC, 23 rd Ed. 2017	1.0mg/L -12 mg/L
Total Coliform	APHA 23rd Ed. 2017, 9221-A, B &C	1.8 - >1600 MPN/100 mL
Fecal Coliform	APHA 23rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

1. APHA - American Public Health Association
2. IS – Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2

Poonam
24/01/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
24/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'ए' एवं प्रमाणी प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ

फोन : 0522 : 4087600, 4087700



PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow

Phone : 0522- 4087600, 4087700



**Fresh water
TEST REPORT**

S.No: F/2025/12

	Date of test report:28/01/2025	Date/period of testing:20-24/01/2025
1	परियोजना /Project/Test Programme	PIAS-ext
2	नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3	नमूने का प्रकार /गैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Sh. Ravinder Singh, SRF
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	19-20/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	20/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8	विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			RK-01	RK-02	RK-03	RK-04	RK-05	RK-06	RK-07
1.	पी एच/ pH		7.81 (20.5°C)	8.18 (19.2°C)	8.22 (17.9°C)	7.88 (20.2°C)	7.72 (20.3°C)	7.47 (17.6°C)	7.34 (17.9°C)
2.	तापमान/ Temperature *	*से.°C	15	15	15	16	16	15	15
3.	गंदलापन / Turbidity	एन.टी.यू./NTU	14	30	40	5.8	6.8	14	13
4.	रंग/ Colour	हैज़न/ Hazen	10	10	10	5	5	10	10
5.	घुलित आक्सीजन/ DO *	मि.ग्र./ली. mg/L	9.4	9.0	8.8	8.4	8.2	8.6	8.9
6.	सी ओ डी / COD	मि.ग्र./ली. mg/L	8.92	10.9	5.95	6.94	7.94	9.92	6.15
7.	बी ओ डी / BOD	मि.ग्र./ली. mg/L	1.76	4.52	1.36	1.78	2.15	2.46	BDL
8.	कुल कॉलीफॉर्म /T-Coliforms	MPN/100ml	<1.8	1.3x10 ⁴	2.4x10 ⁵	1.3x10 ⁵	3.3x10 ⁵	7.0x10 ⁵	3.3x10 ⁴
9.	फीकल कॉलीफॉर्म/F-Coliforms	MPN/100ml	<1.8	7.8x10 ³	4.5x10 ³	2.3x10 ⁴	3.3x10 ⁴	4.9x10 ⁴	7.8x10 ³

विश्लेषण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

CODE	Description
RK-01	R. Ganga at u/s of Prayagraj @ Shringverpur, Prayagraj
RK-02	R. Ganga near Lord Karjan bridge at Phaphamau, Prayagraj
RK-03	R. Ganga near Nagvasuki Mandir pantoon pul no 15 b/f Shastri bridge, Prayagraj
RK-04	R. Yamuna b/f confluence to R. Ganga near old naini Bridge at Prayagraj
RK-05	R. Yamuna b/c R. Ganga
RK-06	R. Ganga at Sangam
RK-07	R. Ganga d/s Decha Ghat, Prayagraj

Page.....1/2

(Poonam Pandey)

(डॉ० अनामिका सिंह)
 वैज्ञानिक 'ए' एवं प्रयोग प्रयोगशाला
 सी० प्र० नि० बोर्ड, लखनऊ

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

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केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Temperature	APHA 2550 A+B, 23 rd Ed. 2017	1 -50 °C
Colour	APHA 2120-B, 23 rd Ed. 2017	5 – 100 Hazen
pH	APHA 4500 H ⁺ -B, 23 rd Ed. 2017	2- 12
Turbidity	APHA 2130 B, 23 rd Ed. 2017	1.0NTU - 100 NTU
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L – 500 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L – 50 mg/L
Dissolved Oxygen	APHA 4500-OC, 23 rd Ed. 2017	1.0mg/L -12 mg/L
Total Coliform	APHA 23rd Ed. 2017, 9221-A, B &C	1.8 - >1600 MPN/100 mL
Fecal Coliform	APHA 23rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

1. APHA - American Public Health Association
2. IS – Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2

Poonam
28/10/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Ananika
28/10/25
(डॉ० अनामिका सिंह)

वैज्ञानिक 'य' एवं प्रशासक प्रयोगशाला
केन्द्रीय प्रदूषण नियंत्रण बोर्ड, लखनऊ

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ
फ़ोन : 0522 : 4087600, 4087700



PICUP Bhawan, Vibhuti Khand, Gominagar, Lucknow
Phone : 0522- 4087600, 4087700



Fresh water
TEST REPORT

S.No: F/2025/15

Date of test report:31/01/2025	Date/period of testing:25-29/01/2025
1 परियोजना /Project/Test Programme	PIAS-ext
2 नमूने का स्थान/स्रोत(भूजल/सरिता/अन्य)Sample Location/Source(GW/River/others)	River Prayagraj
3 नमूने का प्रकार /गैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4 नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Sh. Shivam Singh, RA
5 नमूना एकत्रीकरण की तिथि/Date of Sample collection	24-25/01/2025
6 प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	25/01/2025
7 नमूना एकत्रण पद्धति/Sampling procedure	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/1
8 विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			MK-31	MK-32	MK-33	MK-34	MK-35	MK-36	MK-37
1.	पी एच/ pH		6.95 (18.2°C)	7.48 (18.6°C)	7.88 (18.5°C)	7.92 (18.3°C)	7.82 (18.4°C)	7.84 (18.2°C)	7.92 (18.2°C)
2.	तापमान/ Temperature *	*से.°C	20.0	20.0	20.1	20.2	19.9	20.1	20.3
3.	गंदलापन / Turbidity	एन.टी.यू./NTU	130	120	190	45.0	28.0	4.60	5.90
4.	रंग/ Colour	हेज़न/ Hazen	10	10	10	15	10	15	10
5.	घुलित आक्सीजन/ DO *	मि.ग्रा./ली. mg/L	10.2	10.0	10.5	9.7	8.5	8.2	8.2
6.	सी ओ डी /COD	मि.ग्रा./ली. mg/L	32.0	32.0	33.6	22.1	22.0	12.5	21.6
7.	बी ओ डी /BOD	मि.ग्रा./ली. mg/L	5.02	5.18	7.42	4.08	4.12	2.96	3.80
8.	कुल कॉलीफॉर्म /T-Coliforms	MPN/100ml	4.9x10 ⁴	4.9x10 ⁴	2.3x10 ³	7.9x10 ³	4.9x10 ⁴	3.3x10 ³	2.3x10 ³
9.	फीकल कॉलीफॉर्म/F-Coliforms	MPN/100ml	7.9x10 ³	1.3x10 ⁴	7.8x10 ²	3.3x10 ³	1.7x10 ⁴	7.8x10 ²	4.5x10 ²

विश्लेषण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

CODE	Description
MK-31	R. Ganga at Shringverpur
MK-32	R. Ganga near Lord Karjan at Phaphamau
MK-33	R. Ganga near Nagvasuki Mandir
MK-34	R. Ganga at Sangam
MK-35	R. Ganga at Deeha Ghat
MK-36	R. Yamuna near old naini Bridge
MK-37	R. Yamuna before confluence to R. Ganga at Sangam

Page.....1/2

Poonam
(Poonam Pandey)

Anamika
31/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'ए' एवं प्रभाषी प्रयोगशाला

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/1/1	Issue No. : 01	Date of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Date: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
Temperature	APHA 2550 A+B, 23 rd Ed. 2017	1 -50 °C
Colour	APHA 2120-B, 23 rd Ed. 2017	5 – 100 Hazen
pH	APHA 4500 H ⁺ -B, 23 rd Ed. 2017	2- 12
Turbidity	APHA 2130 B, 23 rd Ed. 2017	1.0NTU - 100 NTU
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L – 500 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L – 50 mg/L
Dissolved Oxygen	APHA 4500-OC, 23 rd Ed. 2017	1.0mg/L -12 mg/L
Total Coliform	APHA 23rd Ed. 2017, 9221-A, B &C	1.8 - >1600 MPN/100 mL
Fecal Coliform	APHA 23rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

1. APHA - American Public Health Association
2. IS – Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2

Poonam
31/01/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
31/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'ग' एवं प्रशिक्षण प्रमुख
के० प्र० नि० बोर्ड, लखनऊ
समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/2/1	Issue No. : 01	Dt of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Dt: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ

फ़ोन : 0522 : 4087600,4087700

PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow
Phone : 0522- 4087600,4087700

S.No. W/2025/17

WASTEWATER
TEST REPORT

Date of test report:24/01/2025	Date/period of testing:20-23/01/2025
परियोजना /Project/Test Programme	PIAS – extd. (Maha Kumbh 2025)
नमूने का स्रोत /भूजल /सरिता /अन्य/Sample Source (STP/ETP/Drain/any other)	Geotube at Prayagraj
नमूने का प्रकार /गैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Sh. Vijay Mishra, SRF
नमूना एकत्रीकरण की तिथि/Date of Sample collection	18-19/01/2025
प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	20/01/2025
नमूना एकत्रण पद्धति/Sampling procedure..... Please Refer.....	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/2 Issue No. 01
विक्षेपण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			PG-1	PG-3	PG-5	PG-7	PG-10	PG-11	PG-13
1.	पी एच/ pH		7.50 (19.2°C)	7.12 (19.2°C)	7.24 (19.2°C)	7.16 (19.3°C)	7.49 (19.2°C)	7.24 (19.2°C)	7.63 (19.2°C)
2.	तापमान/ Temperature *	*से.°C	NA	NA	NA	NA	18.0	NA	NA
3.	एस.एस./ SS	मि.ग्र./ली. mg/L	429	2580	60.0	74.6	82.8	63.6	132
4.	घुलित आक्सीजन/ DO*	मि.ग्र./ली. mg/L	NA	NA	NA	NA	2.0	NA	NA
5.	सी.ओ.डी. /COD	मि.ग्र./ली. mg/L	118	418	71.1	74.6	68.0	162	112
6.	बी.ओ.डी. /BOD	मि.ग्र./ली. mg/L	40.2	185	22.2	21.8	22.8	65.3	43.2
7.	फीकल कॉलीफॉर्म/F-Coliforms	MPN/100ml	NA	NA	NA	NA	<1.8	NA	NA

विक्षेपण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

NA Represents: Not Applicable.

CODE	Description
PG-1	Geotube No. 1 Inlet
PG-3	Geotube No. 2 Inlet
PG-5	Geotube No. 3 Inlet
PG-7	Geotube No. 4 Inlet
PG-10	Geotube No. 5 Outlet
PG-11	Geotube No. 6 Inlet
PG-13	Geotube No. 7 Inlet

Page.....1/2

Poonam Pandey
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
24/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'ग' एवं प्रभारी प्रयोगशाला

समीक्षा एवं हस्ताक्षरकर्ता/Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

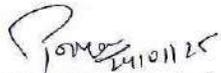
केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/2/1	Issue No. : 01	Dt of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Dt: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
pH	APHA 4500 H ⁺ -B, 23 rd Ed. 2017	2- 12
Temperature	APHA 2550 A+B, 23 rd Ed. 2017	1 -50 °C
Suspended solids	APHA 2540 D, 23 rd Ed. 2017	2.5 mg/L -10,000 mg/L
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L - 100000 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L - 50000 mg/L
Dissolved Oxygen	APHA 4500-OC, 23 rd Ed. 2017	2 mg/L -12 mg/L
Fecal Coliform	APHA 23 rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

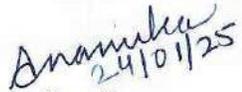
1. APHA – American Public Health Association
2. IS – Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2


(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)


(डॉ० अनामिका सि.)
बैज्ञानिक 'य' एवं प्रभारी प्रयोगशाला
केन्द्रीय प्रदूषण नियंत्रण बोर्ड, लखनऊ

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/2/1	Issue No. : 01	Dt of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Dt: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ
फ़ोन : 0522 : 4087600,4087700



PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow
Phone : 0522- 4087600,4087700



S.No. W/2025/18

WASTEWATER TEST REPORT

	Date of test report:24/01/2025	Date/period of testing:20-23/01/2025
1	परियोजना /Project/Test Programme	PIAS – extd. (Maha Kumbh 2025)
2	नमूने का स्रोत /भूजल /सरिता /अन्य/Sample Source (STP/ETP/Drain/any other)	Geotube at Prayagraj
3	नमूने का प्रकार /ग्रेब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Sh. Vijay Mishra, SRF
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	18-19/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	20/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure.....Please Refer.....	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/2 Issue No. 01
8	विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.						
			PG-2	PG-4	PG-6	PG-8	PG-9	PG-12	PG-14
1.	पी एच/pH		7.63 (19.2°C)	7.38 (19.2°C)	7.30 (19.3°C)	7.19 (19.3°C)	7.03 (19.2°C)	7.40 (19.4°C)	7.49 (19.4°C)
2.	तापमान/ Temperature *	*से./°C	18.0	18.0	18.0	18.0	NA	18.0	18.0
3.	एस.एस./ SS	मि.ग्र./ली. mg/L	39.2	41.2	59.4	68.0	248	40.4	70.0
4.	घुलित आक्सीजन/ DO *	मि.ग्र./ली. mg/L	5.5	4.0	5.5	6.0	NA	3.0	1.0
5.	सी.ओ.डी. /COD	मि.ग्र./ली. mg/L	109	83.1	80.4	132	233	66.1	41.4
6.	बी.ओ.डी. /BOD	मि.ग्र./ली. mg/L	43.8	22.2	22.0	36.2	82.5	31.5	14.9
7.	फीकल कॉलीफॉर्म/F-Coliforms	MPN/100ml	2.0x10 ³	3.5x10 ⁶	5.4x10 ⁶	9.2x10 ⁶	NA	3.5x10 ⁶	9.2x10 ⁶

विश्लेषण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

NA Represents: Not Applicable.

CODE	Description
PG-2	Geotube No. 1 Outlet
PG-4	Geotube No. 2 Outlet
PG-6	Geotube No. 3 Outlet
PG-8	Geotube No. 4 Outlet
PG-9	Geotube No. 5 Inlet
PG-12	Geotube No. 6 Outlet
PG-14	Geotube No. 7 Outlet

Page.....1/2

Poonam Pandey
24/01/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
24/01/25
(डॉ० अनामिका सिंह)

केन्द्रीय प्रदूषण नियंत्रण बोर्ड 'ग' एच प्रशासी प्रयोगशाला

केन्द्रीय प्रदूषण नियंत्रण बोर्ड लखनऊ

समीक्षा एवं हस्ताक्षरकर्ता/Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/2/1	Issue No. : 01	Dt of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Dt: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
pH	APHA 4500 H ⁺ -B, 23 rd Ed. 2017	2- 12
Temperature	APHA 2550 A+B, 23 rd Ed. 2017	1 -50 °C
Suspended solids	APHA 2540 D, 23 rd Ed. 2017	2.5 mg/L -10,000 mg/L
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L - 100000 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L - 50000 mg/L
Dissolved Oxygen	APHA 4500-OC, 23 rd Ed. 2017	2 mg/L -12 mg/L
Fecal Coliform	APHA 23rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

1. APHA – American Public Health Association
2. IS – Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2

Poonam
24/01/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika
24/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'ग' एवं प्रभाषी प्रयोगशाला
को० प्र० नि० बोर्ड, लखनऊ
समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला Central Pollution Control Board Zonal Laboratory			
Doc No. CB/ZLN/QR/7.8/2/1	Issue No. : 01	Dt of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Dt: 11/06/2024	Approved by : TM	Issued by: QM

पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ
फोन : 0522 : 4087600,4087700

PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow
Phone : 0522- 4087600,4087700



S.No. W/2025/22

WASTEWATER TEST REPORT

Date of test report:28/01/2025		Date/period of testing:22-28/01/2025
1	परियोजना /Project/Test Programme	NGRBA/PIAS
2	नमूने का स्रोत /भूजल /सरिता /अन्य/Sample Source (STP/ETP/Drain/any other)	Water Prayagraj
3	नमूने का प्रकार /गैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Sh Sandeep Yadav, RA & Sh Sumit Gangwar, SRF
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	20-21/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	22/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure.....Please Refer.....	CB/ZLN/SOP/7.3/2 & CB/ZLN/SOP/B/7.4/2 Issue No. 01
8	विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Dr. Prashant Singh, Scientist 'D'

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.									
			PS-1	PS-2	PS-3	PS-4	PS-5	PS-6	PS-7	PS-8	PS-9	PS-10
1.	पी एच/pH		7.12 (24.7°C)	7.43 (24.8°C)	7.40 (24.8°C)	7.44 (24.2°C)	7.33 (24.2°C)	7.44 (24.2°C)	7.45 (24.6°C)	7.48 (24.7°C)	7.52 (24.6°C)	7.69 (24.3°C)
2.	एस.एस./SS	मि.ग्रा./ली. mg/L	16.4	23.6	21.2	24.8	17.6	3.40	54.4	11.6	16.2	16.4
3.	कुल नाइट्रोजन / Total Nitrogen	मि.ग्रा./ली. mg/L	21.6	27.6	27.0	17.1	14.2	14.2	24.3	19.5	18.6	16.8
4.	रेसिडुअल क्लोरीन/ Residual Chlorine*	मि.ग्रा./ली. mg/L	0.5	0.6	0.6	0.5	0.4	0.5	0.5	0.6	0.6	0.6
5.	सी.ओ.डी. /C OD	मि.ग्रा./ली. mg/L	52.3	85.6	32.9	57.4	60.8	21.7	111	14.3	27.9	56.2
6.	बी.ओ.डी. /B OD	मि.ग्रा./ली. mg/L	16.8	28.0	6.75	15.4	17.4	6.32	32.0	3.76	8.36	14.7
7.	फीकल कॉलीफॉर्म/F- Coliforms	MPN/100ml	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8

विश्लेषण विधि हेतु कृ.प.उ./Test methods followed are appended overleaf

*Analysed/measured at site by sampling team.

CODE	Description
PS-1	Outlet of Phaphamau STP, Prayagraj
PS-2	Outlet of Rajapur STP, Prayagraj
PS-3	Outlet of Naini-2 STP, Prayagraj
PS-4	Outlet of Jhunsi STP, Prayagraj
PS-5	Outlet of 29MLD STP, Salori, Prayagraj
PS-6	Outlet of 14MLD STP, Salori, Prayagraj
PS-7	Outlet of Ponghat STP, Prayagraj
PS-8	Outlet of Kodra STP, Prayagraj
PS-9	Outlet of Numayadahi STP, Prayagraj
PS-10	Outlet of Naini-1 STP, Prayagraj

Page.....1/2

Poonam
28/01/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

(डॉ० अनाभिक सिंह)

वैज्ञानिक 'ग' एवं प्रभासी प्रयोगशाला

के० प्र० नि० बोर्ड, लखनऊ

समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by

Note : 1. The results in the Test Report relate only to the items tested ; 2. The report shall not be reproduced except in full, without the written permission of laboratory.

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/2/1	Issue No. : 01	Dt of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 02/05	Amendment Dt: 11/06/2024	Approved by : TM	Issued by: QM

Parameters	Test Method	Detection Range
pH	APHA 4500 H ⁺ -B, 23 rd Ed. 2017	2- 12
Suspended solids	APHA 2540 D, 23 rd Ed. 2017	2.5 mg/L -10,000 mg/L
Chemical Oxygen Demand (COD)	APHA 5220 B, 23 rd Ed. 2017	5 mg/L - 100000 mg/L
Biochemical Oxygen demand (BOD)	IS-3025 (part 44) : 1993 Biochemical Oxygen Demand (3 DAY) at 27°C	1.0 mg/L - 50000 mg/L
Total Nitrogen	By calculation	----
Fecal Coliform	APHA 23 rd Ed. 2017, 9221-C (2), 9221 E	1.8 - >1600 MPN/100 mL

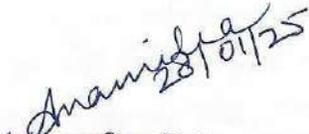
1. APHA – American Public Health Association
2. IS – Indian Standard
3. BDL = Below Detection Limit (Less then lower detection range mentioned in above table)

End of Test Report

Page.....2/2


28/01/25
(Poonam Pandey)

आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)


28/01/25
(डॉ० अनामिका सिंह)
वैज्ञानिक 'ग' एस प्रमारी प्रयोगशाला
के० प्र० नि० बोर्ड, लखनऊ
समीक्षा एवं हस्ताक्षरकर्ता/ Reviewed & Authorized by



Maha Kumbh (Water Quality Data)

Central Pollution Control Board

Ministry of Environment, Forest and Climate Change
Government of India

Home

Kumbh Mela



महा कुंभ 2025



Date	River	Location	Monitoring Frequency	Performance of Sewage Treatment Plant		Outlet of Wastewater Treatment from Geo-Tubes (Manual)		Waste Water Treatment With GeoTubes		Performance of Sewage Treatment Plants (OCEMS)	
				pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
12.01.2025	Ganga	Shringverpur Ghat	Once a day	7.45	5	9	15	20	9.54	2.44	<1.8
	Ganga	Lord Curzon bridge	Once a day	7.41	5	8.8	15	28	9.44	2.36	<1.8
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	7.48	10	8.7	16	41	8.65	2.16	<1.8
	Ganga	Sangam	Once a day	7.52	10	8.5	17	10	14.9	3.74	2000
	Ganga	Deeha Ghat	Once a day	7.63	5	7.9	16	11	22.8	5.24	4500
	Yamuna	Old Naini Bridge	Once a day	7.87	5	8	17	8	12.8	4.52	2000
	Yamuna	Before confluence	Once a day	7.84	5	8.1	17	6.3	13.8	3.64	4500

1863

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
		to river Ganga at Sangam									
13.01.2025	Ganga	Shringverpur Ghat	Once a day	7.88	5	9.1	16	26	11.9	3.42	23000
	Ganga	Lord Curzon bridge	Once a day	7.93	10	7	16	40	8.95	2.22	2000
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	7.91	10	8.9	15	45	19.9	4.48	2000
	Ganga	Sangam	Once a day	7.92	10	9.2	16	9.6	14.2	3.94	<1.8
	Ganga	Deeha Ghat	Once a day	8.09	10	9.5	16.5	12	13.6	3.58	33000
	Yamuna	Old Naini Bridge	Once a day	8.11	5	9	17	6.1	15.4	4.82	11000
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.08	5	9	17	9.07	16.5	4.7	2000
14.01.2025	Ganga	Shringverpur Ghat	Once a day	7.64	5	9.2	15	31	BDL	BDL	<1.8
	Ganga	Lord Curzon bridge	Once a day	7.84	5	8.9	15	31	5.7	1.63	<1.8
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	7.88	5	8.8	15	40	5.5	1.25	4500
	Ganga	Sangam	Once a day	7.86	5	7.8	15	20.6	11.5	2.18	11000
	Ganga	Deeha Ghat	Once a day	7.97	5	7.5	15	15	8.54	2.49	17000
	Yamuna	Old Naini Bridge	Once a day	8.19	5	8.2	15	8	5.5	1.06	33000
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.17	10	8.3	15	7.3	6	1.66	2000

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
15.01.2025	Ganga	Shringverpur Ghat	Once a day	8.21	5	9	14	28.7	<5.0	<1.0	<1.8
	Ganga	Lord Curzon bridge	Once a day	8.19	5	8.9	14	33.9	<5.0	<1.0	7800
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.11	5	8.9	14	45	5.5	1.09	13000
	Ganga	Sangam	Once a day	8.19	5	8.5	14	50	<5.0	<1.0	6800
	Ganga	Deeha Ghat	Once a day	8.2	5	8.6	14	15	<5.0	<1.0	4500
	Yamuna	Old Naini Bridge	Once a day	8.22	5	8.9	14	12.4	6.3	<1.0	2000
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.16	5	8.8	14	13.6	<5.0	<1.0	2000
19.01.2025	Ganga	Shringverpur Ghat	Once a day	7.81	10	9.4	15	14	8.92	1.76	<1.8
	Ganga	Lord Curzon bridge	Once a day	8.18	10	9	15	30	10.9	4.52	7800
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.22	10	8.8	15	40	5.95	1.36	4500
20.01.2025	Ganga	Sangam	Once a day	7.47	10	8.6	15	14	9.92	2.46	49000
	Ganga	Deeha Ghat	Once a day	7.34	10	8.9	15	13	6.15	<1.0	7800
	Yamuna	Old Naini Bridge	Once a day	7.88	5	8.4	16	5.8	6.94	1.78	23000
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	7.72	5	8.2	16	6.8	7.94	2.15	33000
24.01.2025	Ganga	Shringverpur Ghat	Once a day	6.95	10	10.2	20	130	32	5.02	7900

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
	Ganga	Lord Curzon bridge	Once a day	7.48	10	10	20	120	32	5.18	13000
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	7.88	10	10.5	20.1	190	33.6	7.42	780
	Ganga	Sangam	Once a day	7.92	15	9.7	20.2	45	22.1	4.08	3300
	Ganga	Deeha Ghat	Once a day	7.82	10	8.5	19.9	28	22	4.12	17000
	Yamuna	Old Naini Bridge	Once a day	7.84	15	8.2	20.1	4.6	12.5	2.96	780
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	7.92	10	8.2	20.3	5.9	21.6	3.8	450
28.01.2025	Ganga	Shringverpur Ghat	Once a day	7.46	5	9	17.5	39	17.1	3.37	<1.8
	Ganga	Lord Curzon bridge	Once a day	7.82	10	8.8	17.5	28	13.4	2.7	<1.8
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	7.77	5	8.7	17.5	12	14.8	2.34	450
	Ganga	Sangam	Once a day	7.83	10	7.8	18.2	7	13	2.48	200
	Ganga	Deeha Ghat	Once a day	8.07	10	8.6	17.5	50	11.5	3.84	<1.8
	Yamuna	Old Naini Bridge	Once a day	8.09	5	8.5	18	6.7	11.2	3.14	780
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.08	5	7.9	18.1	2.1	14.7	3.88	7900
29.01.2025	Ganga	Shringverpur Ghat	Once a day	8.27	10	9.2	17.5	40	15.4	3.13	<1.8
	Ganga	Lord Curzon bridge	Once a day	8.5	10	8.9	17.5	30	13.1	2.78	<1.8

1866

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.35	5	8.5	17.5	10.3	12.6	3.13	<1.8
	Ganga	Sangam	Once a day	8.46	10	8.9	17.5	60	15.1	2.26	2300
	Ganga	Deeha Ghat	Once a day	8.35	5	8.3	17.5	13	11	3.18	400
	Yamuna	Old Naini Bridge	Once a day	8.31	5	8.3	18	4.4	11.8	3.44	13000
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.27	10	8	18	8	13.7	3.85	7900
30.01.2025	Ganga	Shringverpur Ghat	Once a day	8.85	5	9.5	17	40	20.1	4.38	<1.8
	Ganga	Lord Curzon bridge	Once a day	8.77	10	9.3	17	29	19.9	4.2	<1.8
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.58	5	9	17	15	14.6	2.18	13000
	Ganga	Sangam	Once a day	8.42	5	9.2	17.5	22	14.3	2.74	2400
	Ganga	Deeha Ghat	Once a day	8.51	10	8.8	17	13	11.8	3.3	3300
	Yamuna	Old Naini Bridge	Once a day	8.46	5	8.6	17.5	2.9	11	1.32	<1.8
02.02.2025	Yamuna	Before confluence to river Ganga at Sangam	Once a day	7.68	10	8.6	17.5	3.4	16.6	2.16	2300
	Ganga	Shringverpur Ghat	Once a day	7.02	10	9.6	19	40	11.6	2.21	<1.8
	Ganga	Lord Curzon bridge	Once a day	7.32	10	9.3	19	29	15.4	2.4	<1.8
	Ganga	Before shashtri bridge near Nagvasuki	Once a day	7.49	10	9	19	10	19.5	2.56	<1.8

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
		Mandir Pantoon Pul No. 15									
	Ganga	Sangam	Once a day	8.18	10	8.4	19.1	14	18.9	2.55	<1.8
	Ganga	Deeha Ghat	Once a day	8.42	10	8.2	19.2	4.6	28.5	5.54	200
	Yamuna	Old Naini Bridge	Once a day	8.18	10	8.9	19.6	11	17.5	2.63	3300
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.28	10	8.6	19.2	60	15.4	3.15	4900
03.02.2025	Ganga	Shringverpur Ghat	Once a day	7.74	10	9.4	19	6	16.7	2.53	<1.8
	Ganga	Lord Curzon bridge	Once a day	7.81	10	9.2	19	50	16.5	2.43	<1.8
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.47	10	8.4	19.7	15	20.7	2.67	780
	Ganga	Sangam	Once a day	8.42	10	8.1	19.6	30	14.3	2.74	1300
	Ganga	Deeha Ghat	Once a day	7.93	10	8.8	19	6.1	26.6	5.12	450
	Yamuna	Old Naini Bridge	Once a day	8.4	10	9.2	19.4	8.2	18.5	3	450
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.46	10	9.1	19.2	40	14.6	2.48	200
04.02.2025	Ganga	Shringverpur Ghat	Once a day	8.37	10	9.5	19.5	3	15.9	2.47	<1.8
	Ganga	Lord Curzon bridge	Once a day	8.42	10	9.3	19.5	39	16.5	2.52	200
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.27	10	8.3	19.5	4.3	16.2	2.81	11000

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
	Ganga	Sangam	Once a day	8.41	10	8	19.2	3	14.6	2.07	7900
	Ganga	Deeha Ghat	Once a day	8.41	15	8.8	19.5	30	14.2	3.32	4900
	Yamuna	Old Naini Bridge	Once a day	8.48	10	8.2	19.3	23	15.9	2.45	3300
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.32	15	8.1	19.3	13	12.1	2.51	4900
08.02.2025	Ganga	Shringverpur Ghat	Once a day	8.28	10	8.9	19	40	22.4	2.36	<1.8
	Ganga	Lord Curzon bridge	Once a day	8.32	10	8.6	19	40	22	3.08	780
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.41	10	8.5	19	40	21.8	2.84	200
	Ganga	Sangam	Once a day	7.92	5	8	19.1	24	10.1	1.7	780
	Ganga	Deeha Ghat	Once a day	7.84	10	8.1	19.2	22	19.9	3.18	680
	Yamuna	Old Naini Bridge	Once a day	7.29	10	8	19.2	11	17.3	1.74	2200
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	7.96	10	7.8	19.2	21	19.9	2.46	780
12.02.2025	Ganga	Shringverpur Ghat	Once a day	8.47	10	8.8	19.9	24	20.4	2.8	<1.8
	Ganga	Lord Curzon bridge	Once a day	8.14	10	8.6	19.8	28	21.3	2.56	200
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.34	15	8.5	19.9	40	20.8	2.58	<1.8
	Ganga	Sangam	Once a day	8.19	10	8.9	20	11	18.5	2.84	200
	Ganga	Deeha Ghat	Once a day	8.25	10	8.8	19.8	15	23	3.38	1700

1869

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
	Yamuna	Old Naini Bridge	Once a day	8.29	10	8.9	19.6	5.8	18	2.78	450
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.26	10	8.9	20.1	11	19.5	2.88	3300
13.02.2025	Ganga	Shringverpur Ghat	Once a day	8.7	10	8.7	19.9	29	21.4	2.62	<1.8
	Ganga	Lord Curzon bridge	Once a day	8.87	10	8.6	19.5	29	22.1	2.58	<1.8
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	8.77	10	8.8	19.8	40	21.5	2.64	200
	Ganga	Sangam	Once a day	8.42	10	8.8	19.9	5.6	20.8	2.1	1700
	Ganga	Deeha Ghat	Once a day	8.33	10	8.7	19.8	18	28.8	4.22	1100
	Yamuna	Old Naini Bridge	Once a day	8.23	10	8.8	19.9	9.2	18.6	2.06	680
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.27	15	8.9	19.9	12	20.4	2.44	2300
17.02.2025	Ganga	Shringverpur Ghat	Once a day	7.45	10	9	18.5	35	21.9	2.2	<1.8
	Ganga	Lord Curzon bridge	Once a day	7.04	10	9.5	18.3	30	22.9	2.36	780
	Ganga	Before shashtri bridge near Nagvasuki Mandir Pantoon Pul No. 15	Once a day	7.16	5	9.8	18.6	30	23.9	2.68	2200
	Ganga	Sangam	Once a day	8.4	5	9.6	18	12	16	2.64	780
	Ganga	Deeha Ghat	Once a day	8.42	10	9.4	18.6	15	15	2.48	200
	Yamuna	Old Naini Bridge	Once a day	8.32	10	9.2	18	11	17	2.4	1700

1870

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
	Yamuna	Before confluence to river Ganga at Sangam	Once a day	8.43	5	8.9	17.8	8.6	18	2.44	450
21.02.2025	Ganga	Shringverpur Ghat	Morning	8.26	5	9.9	21	18	13.6	2.16	1700
	Ganga	Shringverpur Ghat	Evening	8.31	5	9.5	21.2	20	17.5	2.74	2200
	Ganga	Lord Curzon bridge	Morning	8	5	8.3	21	20	14.7	2.18	1300
	Ganga	Lord Curzon bridge	Evening	8.02	5	8.6	21	22	14.2	2.56	780
	Ganga	Near Nagvasuki Mandir Pantoon Pul No. 15	Morning	7.78	5	8.2	20.8	30	16.7	2.32	680
	Ganga	Near Nagvasuki Mandir Pantoon Pul No. 15	Evening	7.87	5	8.1	20.9	25	16.4	2.34	1400
	Ganga	At Shastri Bridge	Morning	7.31	5	8.5	21	35	15.7	2.4	200
	Ganga	At Shastri Bridge	Evening	7.58	5	8.3	21	30	18	2.58	450
	Ganga	Sangam	Morning	8.35	10	8.5	22	30	21	2.6	1300
	Ganga	Sangam	Evening	8.34	10	8.4	22.9	31	22.5	2.74	1700
	Ganga	Someshwar Ghat	Morning	8.37	10	8.9	22.1	27	22	2.92	1700
	Ganga	Someshwar Ghat	Evening	8.23	10	8.2	22.6	17	25	2.6	1700
	Ganga	At DPS	Morning	8.22	10	8.9	21.8	32	14	2.36	1300
	Ganga	At DPS	Evening	8.27	10	8.9	22.5	22	19	2.46	1400
	Ganga	Deeha Ghat	Morning	8.35	10	8.5	22	24	13	1.96	2100
Ganga	Deeha Ghat	Evening	8.05	10	8.2	22	5.2	16	2.36	450	
Yamuna	Old Naini Bridge	Morning	8.2	10	8.8	22.5	20	26	2.92	2100	

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
	Yamuna	Old Naini Bridge	Evening	8.4	10	8.5	22.5	11	25	2.66	1300
	Yamuna	Before confluence to river Ganga at Sangam	Morning	8.44	10	9.1	22.1	11	24	2.6	2200
	Yamuna	Before confluence to river Ganga at Sangam	Evening	8.36	10	8.9	22.6	11	22	2.72	2400
22.02.2025	Ganga	Shringverpur Ghat	Morning	7.96	5	9.2	21	14	12	1.96	2300
	Ganga	Shringverpur Ghat	Evening	8.34	5	9.5	21.2	14	15	2.24	2200
	Ganga	Lord Curzon bridge	Morning	8.46	10	9.8	20.9	30	12	2.06	2200
	Ganga	Lord Curzon bridge	Evening	8.37	10	8.8	21.3	25	16	2.42	2100
	Ganga	Near Nagvasuki Mandir Pantoon Pul No. 15	Morning	8.44	10	8.3	20.8	35	10.5	2.26	1400
	Ganga	Near Nagvasuki Mandir Pantoon Pul No. 15	Evening	8.47	10	8.5	21.3	35	14	2.64	1700
	Ganga	At Shastri Bridge	Morning	8.38	10	8.2	21.5	20	15.5	2.26	1100
	Ganga	At Shastri Bridge	Evening	8.26	10	8.4	20.5	25	19.6	2.88	1400
	Ganga	Sangam	Morning	8.36	10	8	22.3	30	12	1.86	1700
	Ganga	Sangam	Evening	8.28	10	8.3	22.2	30	18	2.42	2200
	Ganga	Someshwar Ghat	Morning	8.29	10	8.6	22	28	20	2.36	1100
	Ganga	Someshwar Ghat	Evening	8.42	10	8	22.1	10	22	2.6	2100
	Ganga	At DPS	Morning	8.46	10	8.4	22.9	25	21	2.3	1700
	Ganga	At DPS	Evening	8.61	10	8.1	23	17	22	2.7	2100

Date	River	Location	Monitoring Frequency	pH (6.5 - 8.5)	Color (Hazen)	DO (≥ 5 mg/l)	Temp ($^{\circ}$ C)	Turbidity (NTU)	COD (mg/l)	BOD (≤ 3 mg/l)	Fecal Coliform (≤ 2500 MPN/100ml)
	Ganga	Deeha Ghat	Morning	8.37	10	8.3	22.5	25	18	2.46	1200
	Ganga	Deeha Ghat	Evening	8.37	10	8	22.5	22	22	2.82	1700
	Yamuna	Old Naini Bridge	Morning	8.35	10	7.8	22.4	16	19	2.58	2100
	Yamuna	Old Naini Bridge	Evening	8.32	10	8.3	22.2	12	20	2.66	2100
	Yamuna	Before confluence to river Ganga at Sangam	Morning	8.24	10	8.1	21.9	32	19.8	2.56	1100
	Yamuna	Before confluence to river Ganga at Sangam	Evening	8.44	10	8.1	22.5	20	22	2.66	780

Disclaimer: The data represents a snapshot of water quality at a specific location and time and may vary significantly depending upon factors such as upstream anthropogenic activities, rate of flow, depth of sampling, time of sampling, river current and mixing of currents, sampling location and such other multiple factors. As a result, these values reflect water quality parameters at the exact time and place and may not fully represent the overall characteristics of the river, therefore, not necessarily reflecting the overall river water quality throughout the river stretch.

Bathing Dates

Date	Occasion
13 January 2025	Paush Purnima
14 January 2025	Makar Sankranti
29 January 2025	Mauni Amavasya
3 February 2025	Basant Panchami
12 February 2025	Maghi Purnima
26 February 2025	Maha Shivaratri

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Maha Kumbh

(Water Quality Data)

Central Pollution Control Board

Ministry of Environment, Forest and Climate Change
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महा कुंभ 2025



River Water Quality	Performance of Sewage Treatment Plant	Outlet of Wastewater Treatment from Geo-Tubes (Manual)	Waste Water Treatment With GeoTubes	Performance of Sewage Treatment Plants (OCEMS)
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S. No.	Location	Flow (MLD)	Date	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Faecal Coliform (MPN/100ml)
1	Numayadahi	56	31.12.2024	7.05	6.27	28.5	5.40	<1.8
2	Phaphamau	18	31.12.2024	7.65	15.5	42.0	6.80	7.8x10 ³
3	Naini, Old	94	01.01.2025	7.41	17.7	43.5	10.6	<1.8
4	Naini, New	45	01.01.2025	7.79	17.5	42.4	21.2	<1.8

S. No.	Location	Flow (MLD)	Date	pH	BOD (mg/L)	COD (mg/L)	TSS (mg/L)	Faecal Coliform (MPN/100ml)
5	Jhunsi	15	01.01.2025	7.89	16.0	52.0	12.8	<1.8
6	Salori, Old	37	01.01.2025	7.58	15.9	54.3	13.0	<1.8
7	Salori, New	13	01.01.2025	7.39	6.93	29.7	2.86	<1.8
8	Rajapur	77	06.01.2025	7.85	17.6	53.2	17.2	<1.8
9	Ponghat	15	07.01.2025	7.83	23.7	60.8	32.8	<1.8
10	Kodra	33	07.01.2025	7.93	24.3	72.3	21.4	<1.8
11	Numayadahi	57.76	21.01.2025	7.52	8.36	27.9	16.2	<1.8
12	Phaphamau	17.92	20.01.2025	7.12	16.8	52.3	16.4	<1.8
13	Naini, Old	123.15	21.01.2025	7.69	14.7	56.2	16.4	<1.8
14	Naini, New	48.63	20.01.2025	7.40	6.75	32.9	21.2	<1.8
15	Jhunsi	17.34	21.01.2025	7.44	15.4	57.4	24.8	<1.8
16	Salori, Old	39	21.01.2025	7.33	17.4	60.8	17.6	<1.8
17	Salori, New	13.89	21.01.2025	7.44	6.32	21.7	3.4	<1.8
18	Rajapur	88.9	20.01.2025	7.43	28.0	85.6	23.6	<1.8
19	Ponghat	16.82	21.01.2025	7.45	32.0	111	54.4	<1.8
20	Kodra	32.52	21.01.2025	7.48	3.76	14.3	11.6	<1.8

Bathing Dates

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Date	Occasion
12 February 2025	Maghi Purnima
26 February 2025	Maha Shivaratri

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Maha Kumbh

(Water Quality Data)

Central Pollution Control Board

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महा कुंभ 2025



River Water Quality	Performance of Sewage Treatment Plant	Outlet of Wastewater Treatment from Geo-Tubes (Manual)	Waste Water Treatment With GeoTubes	Performance of Sewage Treatment Plants (OCEMS)			
Geo-tube	Date	PH	DO	TSS (mg/L)	COD (mg/L)	BOD (mg/L)	Faecal Coliform (MPN/100ml)
Sadar Bazar Drain	18.01.2025	7.63	5.5	39.2	109	43.8	2.0 x10 ³
Rajapur Drain	18.01.2025	7.38	4	41.2	83.1	22.2	3.5 x10 ⁶
ADA Colony/Jwala	18.01.2025	7.3	5.5	59.4	80.4	22	5.4 x10 ⁶

Geo-tube	Date	PH	DO	TSS (mg/L)	COD (mg/L)	BOD (mg/L)	Faecal Coliform (MPN/100ml)
Devi Drain							
Jondhwal Drain	18.01.2025	7.19	6	68	132	36.2	9.2 x10 ⁶
Shivkuti Drain	18.01.2025	7.49	2	82.8	68	22.8	<1.8
Salori Drain	18.01.2025	7.4	3	40.4	66.1	31.5	3.5 x10 ⁶
Sasur Khaderi River	19.01.2025	7.49	1	70	41.4	14.9	9.2x10 ⁶

Bathing Dates

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