

संख्या- एन.जी.टी.-358 / 81-7-2023-49(पर्या) / 2017

प्रेषक,

देवेन्द्र सिंह चौहान,

अनु सचिव,

उ०प्र० शासन।

सेवा में,

अधिशायी निदेशक-तकनीकी,

राष्ट्रीय स्वच्छ गंगा मिशन,

प्रथम तल, मेजर ध्यान चन्द्र नेशनल स्टेडियम,

इण्डिया गेट, नई दिल्ली-110002.

पर्यावरण, वन एवं जलवायु परिवर्तन अनु०-7 लखनऊ : दिनांक : ११ अगस्त, 2023

विषय-मा० एन०जी०टी०, नई दिल्ली में विचाराधीन ओ०ए० संख्या-673/2018 में पारित आदेश के अंतर्गत गठित केन्द्रीय अनुश्रवण समिति, जल शक्ति मंत्रालय को माह जून, 2023 की प्रगति आख्या प्रेषित किये जाने के सम्बन्ध में।

महोदय,

उपर्युक्त विषय पर मुझे यह कहने का निदेश हुआ है कि मा० एन.जी.टी., नई दिल्ली में विचाराधीन ओ०ए० सं०-673/2018 में पारित आदेश के अंतर्गत गठित केन्द्रीय अनुश्रवण समिति, जल शक्ति मंत्रालय की प्रथम मासिक बैठक में लिये गये निर्णयों के अनुपालन में प्रदेश में स्थित 12 नदियों के प्रदूषित खण्डों के पुनर्जीवीकरण हेतु बनायी गयी कार्ययोजना के क्रियान्वयन से सम्बन्धित विभिन्न विभागों से प्राप्त सूचना के आधार पर माह जून, 2023 की संकलित प्रगति आख्या केन्द्रीय अनुश्रवण समिति के अवलोकनार्थ संलग्न कर प्रेषित की जा रही है।

संलग्नक-यथोक्त।

Signed by देवेन्द्र सिंह

चौहान

Date: 11-08-2023 11:04:23

Reason: Approved

भवदीय,

( देवेन्द्र सिंह चौहान )

अनु सचिव।

संख्या एवं दिनांक तदैव

प्रतिलिपि- सदस्य सचिव, उ०प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ को उनके पत्र सं०-जी-41374/सी-4/आरआरसी/2023, दिनांक 07.08.2023 के संदर्भ में सूचनार्थ प्रेषित।

आज्ञा से,

( देवेन्द्र सिंह चौहान )

अनु सचिव।

**Monthly Progress Report of Uttar Pradesh in the NGT Matter OA No. 673 of  
2018(In compliance to NGT order dated 24.09.2020)**

**June 2023**

**I. Details of Sewage Treatment Plant in the State**

**Total Population of the state: 19.98 Crore as per census 2011**

a) Urban Population- 4.44 Crore in Year 2011

b) Rural Population- 15.54 Crore in Year 2011

**Total Estimated Sewage Generation (MLD): 5500 MLD**

a) Total existing treatment capacity of 130 STPs :- 4074.5 MLD (Annexure-1)

b) Existing 130 STPs utilization capacity :- 3187.27 MLD

c) Current Gap :- 1425.5 MLD

d) 47 STPs under construction :- 850.2 MLD (Timeline Mar. 2025) (Annexure-2)

e) 16 STPs under tendering :- 836 MLD (Timeline June 2025) (Annexure-3A)

f) 16 STPs DPR submitted/to be submitted to NMCG :- 579.90 MLD (Annexure-3B)

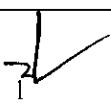
**Performance of Sewage Treatment Plant**

| S.No | STPs in UP              | Number                                                                  |
|------|-------------------------|-------------------------------------------------------------------------|
| 1    | Total Installed STP     | 130<br>(Total Capacity- 4074.5 MLD)<br>(Utilized Capacity: 3187.27 MLD) |
| 2    | Operational STP         | 118                                                                     |
| 3    | STP Achieving norms     | 91                                                                      |
|      | STP Not Achieving norms | 27                                                                      |
| 4    | STP Not In Operation    | 7                                                                       |
|      | Under trial             | 5                                                                       |

**The standards as per MOEF&CC Notification dated 13.10.2017, titled "Applicable Effluent Discharge Standards for STPs" are as follows:**

**For State Capital:** pH-6.5-9.0; BOD - <20 mg/l; TSS- <50 mg/l & FC- <1000 MPN/100 ml

**Other than State Capital:** pH-6.5-9.0; BOD - <30 mg/l; TSS- <100 mg/l & FC- <1000MPN/100 ml





## II. Details of Industrial Pollution:

Status of GPI Industries inspected during 2022-23 (inspections are in progress)

|                         |      |
|-------------------------|------|
| Total GPIs              | 1647 |
| Report Received         | 1114 |
| Action Taken            | 711  |
| Complied                | 374  |
| Non-Complied- SCN       | 122  |
| Non-Complied- Closure   | 28   |
| Self- Closed- Permanent | 19   |
| Self- Closed- Temporary | 168  |

### Status of Common Effluent Treatment Plants (CETPs)

- Number of existing CETP :- 07 (Annexure-4)
- Capacity of CETP :- 58.55 MLD
- No. of Upgradation/ under construction CETP :- 05
- Capacity of under construction CETP:- 32.4 MLD

### Performance of Common Effluent Treatment Plant :-

| S.No | CETP in Uttar Pradesh    | Number |
|------|--------------------------|--------|
| 1    | Total Installed CETP     | 7      |
| 2    | Operational CETP         | 7      |
|      | CETP Achieving Norms     | 3      |
|      | CETP Not Achieving Norms | 4      |

### Detail of under construction/proposed CETP

| S. No | Name of District                     | Capacity (MLD) | Agency/ Project | Timeline/ Date of Commissioning | Remark |
|-------|--------------------------------------|----------------|-----------------|---------------------------------|--------|
| 1     | Jajmau, Kanpur Nagar                 | 20             | JATETA          | Oct., 2023                      | -      |
| 2     | Bhadohi                              | 1              | -               | -                               | -      |
| 3     | SEZ, Moradabad                       | 2.4            | UPSIDA          | -                               | -      |
| 4     | Growth Centre, Jainpur, Kanpur Dehat | 2              | UPSIDA          | March, 2024                     | -      |



|   |                 |   |                                  |            |                                                                          |
|---|-----------------|---|----------------------------------|------------|--------------------------------------------------------------------------|
| 5 | GIDA, Gorakhpur | 7 | Namami Gange & Urban Development | July, 2024 | ToR for Environmental Clearance issued by SIEAA. EIA Study pending at PP |
|---|-----------------|---|----------------------------------|------------|--------------------------------------------------------------------------|

### III. **Solid Waste Management:**

**Total Population of the state: 19.98 Crore as per census 2011.**

- a) Urban Population- 4.44 Crore in Year 2011
- b) Rural Population- 15.54 Crore in Year 2011

#### **(A). Solid Waste Management (Urban):**

- Total number of Urban Local Bodies :- 762
- Urban Population- 4.44 Crore in Year 2011
- Current Municipal Solid Waste Generation- **14710 TPD**
  - a) Total existing treatment capacity :- 10197 TPD
  - b) Current GAP:- 4513 TPD
  - c) Plants under construction :- 8746 TPD
  - d) Proposed Treatment Facilities :- 4980 TPD
  - e) Segregation at source :- 12504 TPD

#### **Solid Waste Management ( Urban )**

**Existing Facilities:** - The following facilities are operational: -

- There are 19 centralized waste-to-compost plants operational in 19 ULBs with a treatment capacity of 5895 TPD (Annexure-5).
- 868 Compost Pits with a treatment capacity of 1344 TPD are operational in 161 ULBs for wet waste processing (Annexure-5.1).
- 551 Material Recovery Facility (MRF) units with a total capacity of 2765 TPD are currently operational in 551 ULBs for dry waste processing.
- There are 02 Waste-to-Energy (WTE) plants in Dasna, Ghaziabad and Muzaffarnagar with a waste disposal capacity of 193.97 TPD (Annexure-5.2).



**Under Construction Facilities:** - The following facilities are under-construction: -

- A total of 36 MSW plants located in 36 ULBs with 4305 TPD capacity are at various stages of construction. 17 of these 36 plants have completed 100% of construction work. As regards other plants, they are to be completed by December 2023.
- 421 MRF units with a total capacity of 2105 TPD are under construction. Out of 421 MRF units, 85 with 425 TPD (5 TPD each) capacity being established in 85 ULBs are expected to be operational by July 2023. Remaining 336 MRFs with a capacity of 1680 TPD will be operational in 188 ULBs by December 2023.
- 226 Compost Pits with a treatment capacity of 1036 TPD in 226 ULBs for which steps are being taken to make the units operational by December 2023.
- 04 Bio-CNG Plants at Prayagraj, Ghaziabad, Gorakhpur and Lucknow with total 1000 TPD capacity are under-construction by September 2024. An additional plant of 300 TPD in Noida is also under construction.

**Proposed Facilities:** -The following facilities are in pipeline: -

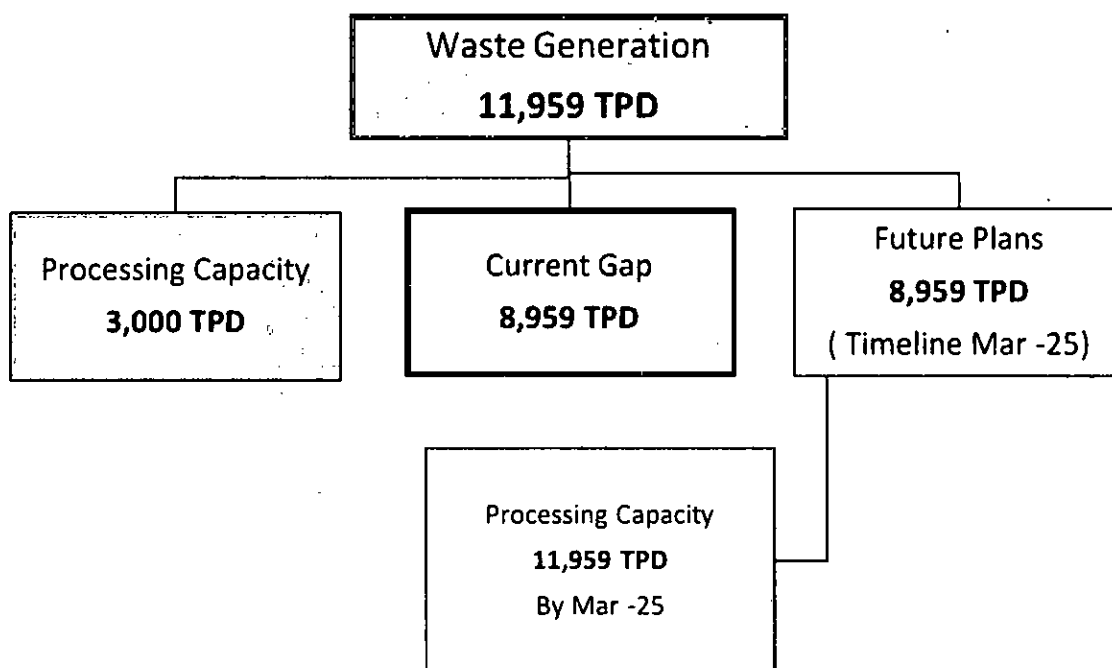
- 19 Dry waste- cum-composting Plants with 1180 TPD capacity in 19 ULBs. The timeline for these proposed projects is December 2024.
- 03 WTE Plants at Ghaziabad, Agra and Muzaffarnagar with 3800 TPD capacity are also proposed to be established by March 2025.

**(B). Solid Waste Management (Rural):**

- Rural Population- 15.54 Crore in Year 2011
- Current Municipal Solid Waste Generation- **11959 TPD**
  - a) Total existing treatment capacity :- 3000 TPD
  - b) Current GAP:-8959 TPD
  - c) Proposed Treatment Facilities :- 8959 TPD (Timeline March 2025)



**Solid Waste Management ( Rural)**



**(C) Details of legacy waste in the State:-**

- a) Total legacy waste dump sites :- 75
- b) Total area of legacy waste dump sites:- 627 acre
- c) Estimated quantity :- 91 Lac Ton
- d) Remediated waste :- 63.75 Lac Ton on 377 acres of land in 32 ULBs
- e) Ongoing Remediation:- 27.51 Lac Ton (Timeline March 2024)
- f) **No. and area (in acres) of legacy waste within 1.0 km buffer of both side of the rivers:-**There is no legacy waste site situated within 1.0 KM of the banks of rivers.

Under SBM 2.0, 711 ULBs of the 762 ULBs of the state have been approved in which a detailed Gap Analysis has been done for each ULB with projection till the end of SBM 2.0 period i.e., 2026. The following gaps in waste processing capacity and respective fund requirements are still there which need to be fulfilled to achieve high standards of cleanliness in the towns and cities of Uttar Pradesh for healthy, hygienic and liveable environment: -

- There is a gap of 6110.11 TPD in Wet Waste Processing Capacity whose estimated cost is Rs. 70266.25 Lakh.
- There is a gap of 2384.73 TPD in Dry Waste Processing Capacity whose estimated cost is Rs. 20270.17 Lakh.

*Ami*

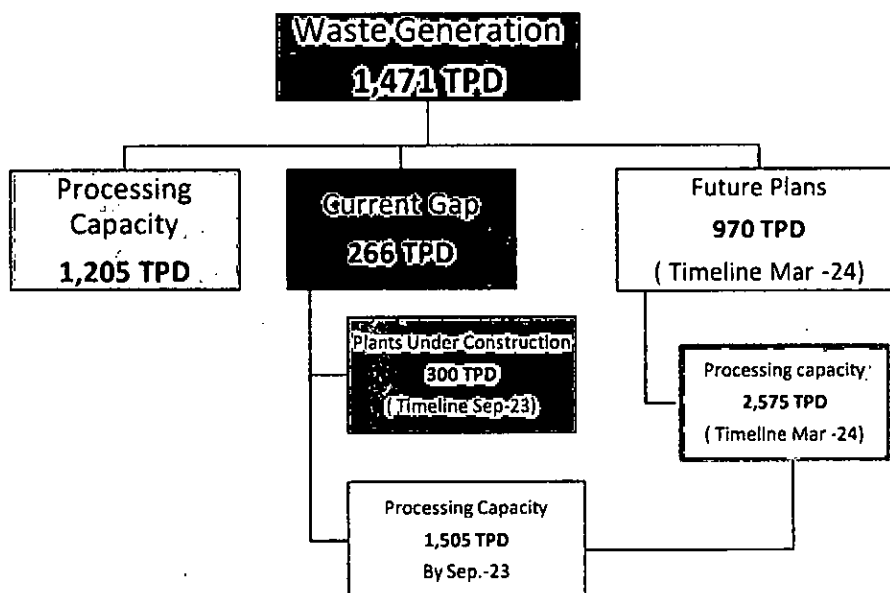
- There is a gap of 628.12 TPD in C&D Waste Processing Capacity whose estimated cost is Rs. 3768.12 Lakh.
- There are 212 dump sites with 48.14 Lakh MT Legacy Waste whose remediation estimated cost is Rs. 26478 Lakh.

Out of the proposed fund requirements, the central share received for SWM is Rs. 14.48 Crore.



#### IV. Construction & Demolition Waste :

- Current C&D Waste Generation :- 1471 TPD
  - a) Total processing capacity :- 1205 TPD
  - b) Current GAP:- 266 TPD
  - c) Plants under construction :- 300 TPD (Timeline Sep. 2023)
  - d) Proposed Treatment Facilities :- 970 TPD (Timeline March 2024)



##### a) Districtwise detail of Operational C& D Waste Processing Facilities:-

| S.No  | Operational | Capacity |
|-------|-------------|----------|
| 1.    | Agra        | 05 TPD   |
| 2.    | Varanasi    | 200 TPD  |
| 3.    | Prayagraj   | 100 TPD  |
| 4.    | Ghaziabad   | 400 TPD  |
| 5.    | Noida       | 400 TPD  |
| 6.    | Lucknow     | 100 TPD  |
| Total |             | 1205 TPD |

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**b) Under Construction C& D Waste Processing Facilities:-**

| S.No.        | Under Construction           | Capacity       | Timeline  |
|--------------|------------------------------|----------------|-----------|
| 1.           | Kanpur(75% work completed)   | 100 TPD        | June 2023 |
| 2.           | Lucknow (20% work completed) | 200 TPD        | Sep. 2023 |
| <b>Total</b> |                              | <b>300 TPD</b> |           |

**c) Proposed C& D Waste Processing Facilities:-**

| S.No.        | Proposed  | Capacity       | Timeline   |
|--------------|-----------|----------------|------------|
| 1.           | Aligarh   | 100 TPD        | 31.03.2024 |
| 2.           | Meerut    | 200 TPD        | 31.03.2024 |
| 3.           | Moradabad | 100 TPD        | 31.03.2024 |
| 4.           | Gorakhpur | 50 TPD         | 31.03.2024 |
| 5.           | Firozabad | 50 TPD         | 31.03.2024 |
| 6.           | Jhansi    | 50 TPD         | 31.03.2024 |
| 7.           | Ayodhya   | 20 TPD         | 31.03.2024 |
| 8.           | Mathura   | 50 TPD         | 31.03.2024 |
| 9.           | Kanpur    | 200 TPD        | 31.03.2024 |
| 10.          | Agra      | 150 TPD        | 31.03.2024 |
| <b>Total</b> |           | <b>970 TPD</b> |            |



**V. Bio-medical Waste Management:**

- Total Bio-medical generation: 71264.2 Kg/day
- No. of Hospitals and Health Care Facilities: 37,927
- Status of Treatment Facility/ CBMWTF: 22

**VI. Plastic Waste Management:**

- Total Plastic Waste generation: 1030 TPD
- Uttar Pradesh has potential for disposal of Plastic Waste of 2360 TPD

| S.No.                                                        | Mode of Disposal                                                 | Disposal Capacity |
|--------------------------------------------------------------|------------------------------------------------------------------|-------------------|
| 1.                                                           | Recycling Facilities (82 Number)                                 | 1908.5 TPD        |
| 2.                                                           | Co-processing Facilities-01<br>(M/s Ultratech Cement, Sonbhadra) | 150 TPD           |
| 3.                                                           | Waste to Oil -03                                                 | 33.1 TPD          |
| 4.                                                           | Waste to Energy-03                                               | 268.97            |
| Total recycling & disposal infrastructure in UP- 2360.06 TPD |                                                                  |                   |

**VII. Details of Nodal Officer appointed by Chief Secretary in the State/UT:** Three tier monitoring mechanism developed and functional.

**VIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river:** Latest water quality status of polluted river stretches is available at link <http://www.uppcb.com/data-of-year-2022.htm>.

**IX. Demarcation of Floodplain and removal of illegal encroachments:**

- 14446 pillars have been placed against 15293 pillars for demarcation of floodplain zone of River Ganga from Kannauj to Unnao.
- Flood Plain Zones for Rivers Hindon, Yamuna, Varuna, Gomti, Kali east, Ramganga, Betwa, Ghaghra, Rapti, Sai, Saryu has been decided.



**X. Maintaining minimum e-flow of river:**

- E-flow for Kannauj-Unnao maintained as per directions of CWC.
- E-flow in Rivers Ghaghra, Rapti, Ramganga, Saryu, Betwa has been decided.
- E-flow for River Yamuna and Ganga (Unnao-UP Border) yet to be decided.
- Rivers Sai, Gomti, Varuna, Hindon, Kali east are non-perennial rivers, e-flow cannot be maintained

**XI. Plantation activities along the rivers:**

- Total **1,63,80,540** (One Crore Sixty Three Lakh Eighty Thousand five hundred and forty saplings have been planted along 14 polluted river stretches in the year 2021-22.
- Total **2,32,88,553** (Two Crore Thirty Two Lakh Eighty Eight Thousand Five Hundred and Fifty Three saplings have been planted along 14 polluted river stretches in the year 2022-23.

**XII. Reutilization of Treated Sewage from STP:**

- a) 8 MLD treated water from Trans - Yamuna –I and II STPs at Mathura is supplied to IOCL, Mathura.
- b) Treated sewage and sludge from the STP is auctioned to farmers, used in land filling and as manure, disposed in Nagar Palika land, for construction activity and in Horticulture (Miyawaki).
- c) **Future Plan: -**

| S.No. | Re-utilization of treated sewage                                                                      | Timeline        |
|-------|-------------------------------------------------------------------------------------------------------|-----------------|
| 1.    | Treated water from Bingawan STP (210 MLD) to Panki Thermal Power Plant (approx. 40 MLD)               | September, 2023 |
| 2.    | 20 MLD treated water from Trans - Yamuna –I and II STPs at Mathura is to be supplied to IOCL, Mathura | December, 2023  |
| 3.    | Treated water from Shahjahanpur STP ( 45 MLD) to Rosa TPS (approx. 40 MLD)                            | June, 2025      |
| 4.    | Treated water from Aligarh STP ( 45 MLD) to Harduaganj TPS (approx. 30 MLD )                          | July, 2025      |
| 5.    | Treated water from Naini, Prayagraj STP ( 80 MLD) to Bara TPS (approx. 55 MLD )                       | December, 2025  |
| 6.    | Treated water from Bulandshahr STP ( 40 MLD) to Rosa TPS (approx. 20 MLD )                            | July, 2025      |



**Annexure-1****Details of existing STPs in Uttar Pradesh (June 2023)**

| S.No. | Name of Town/District | Name of STP       | Year of Commissioning | Design Technology | Capacity of STP (MLD) | Utilized Capacity (MLD) | Primary Agency Maintaining the STP | Compliance Status as per MOEFCC notification dated 13.10.2017 |
|-------|-----------------------|-------------------|-----------------------|-------------------|-----------------------|-------------------------|------------------------------------|---------------------------------------------------------------|
| 1     | Agra                  | Bichhpuri         | 2012                  | UASB              | 40                    | 27.99                   | UPJN (Urban)                       | Achieving                                                     |
| 2     | Agra                  | Dandupura         | 2001                  | UASB              | 78                    | 77.51                   | UPJN (Urban)                       | Achieving                                                     |
| 3     | Agra                  | Dandupura - 2     | 2013                  | UASB              | 24                    | 17.08                   | UPJN (Urban)                       | Achieving                                                     |
| 4     | Agra                  | Devri Road        | 2011                  | UASB              | 12                    | 8.26                    | UPJN (Urban)                       | Achieving                                                     |
| 5     | Agra                  | Jaganpur          | 2011                  | UASB              | 14                    | 14                      | UPJN (Urban)                       | Achieving                                                     |
| 6     | Agra                  | Naglaburhi        | 2000                  | WSP               | 2.25                  | 2.25                    | UPJN (Urban)                       | Achieving                                                     |
| 7     | Agra                  | Pilkhar           | 2001                  | WSP               | 10                    | 10                      | UPJN (Urban)                       | Achieving                                                     |
| 8     | Anupshahar            | Aahar Road        | 2001                  | WSP               | 0.81                  | 0.5                     | UPJN (Urban)                       | Not-Achieving                                                 |
| 9     | Anupshahar            | Shivanand Asharam | 2001                  | WSP               | 1.76                  | 1                       | UPJN (Urban)                       | Not-Achieving                                                 |
| 10    | Ayodhya               | Ramghat Ayodhya   | 2014                  | UASB              | 12                    | 12                      | UPJN (Urban)                       | Not-Achieving                                                 |
| 11    | Bijnour               | Bijnour           | 2018                  | UASB              | 24                    | 21.18                   | UPJN (Urban)                       | Achieving                                                     |
| 12    | Bulandshahar          | Bulandshahar      | 2022                  | SBR               | 40                    | 17                      | UPJN (Urban)                       | Achieving                                                     |
| 13    | Etah                  | Manpur            | 2021                  | SBR               | 24                    | 8                       | UPJN (Urban)                       | Achieving                                                     |
| 14    | Fatehgarh             | Fatehgarh         | 1993                  | Oxidation Pond    | 2.7                   | 2.62                    | UPJN (Urban)                       | Not-Achieving                                                 |
| 15    | Firozabad             | Mohammadpur       | 2021                  | ASP+BNR           | 67                    | 55                      | UPJN (Urban)                       | Achieving                                                     |
| 16    | Ghaziabad             | Dudaheda          | 2013                  | SBR               | 56                    | 56                      | UPJN (Urban)                       | Achieving                                                     |
| 17    | Ghaziabad             | Dudaheda - 3      | 1998                  | UASB              | 70                    | 70                      | UPJN (Urban)                       | Not-Achieving                                                 |
| 18    | Ghaziabad             | Indirapuram       | 2013                  | SBR               | 74                    | 74                      | UPJN (Urban)                       | Achieving                                                     |
| 19    | Ghaziabad             | Indirapuram - 2   | 1998                  | UASB              | 56                    | 55                      | UPJN (Urban)                       | Not-Achieving                                                 |

| S.No. | Name of Town/District | Name of STP           | Year of Commissioning | Design Technology | Capacity of STP (MLD) | Utilized Capacity (MLD) | Primary Agency Maintaining the STP | Compliance Status as per MOEFCC notification dated 13.10.2017 |
|-------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------|-------------------------|------------------------------------|---------------------------------------------------------------|
| 20    | Gorakhpur             | Mahadev Jharkhandi    | 2010                  | SBR               | 15                    | 15                      | UPJN (Urban)                       | Achieving                                                     |
| 21    | Gorakhpur             | Ramgarhtal            | 2015                  | SBR               | 30                    | 15.8                    | UPJN (Urban)                       | Achieving                                                     |
| 22    | Hapur                 | Hapur                 | 2022                  | SBR               | 30                    | 12                      | UPJN (Urban)                       | Achieving                                                     |
| 23    | Jhansi                | Laxmi Tal             | 2021                  | SBR               | 26                    | 22                      | UPJN (Urban)                       | Achieving                                                     |
| 24    | Kannauj               | Kannauj (State/NGRBA) | 2015                  | SBR               | 13                    | 10                      | UPJN (Urban)                       | Achieving                                                     |
| 25    | Kanpur                | Jajmau - 3            | 1989                  | UASB              | 5                     | 5                       | UPJN (Urban)                       | Not Achieving                                                 |
| 26    | Loni                  | Loni                  | 2013                  | MBBR              | 30                    | 15.5                    | UPJN (Urban)                       | Achieving                                                     |
| 27    | Lucknow               | Bharwara              | 2016                  | UASB              | 345                   | 345                     | UPJN (Urban)                       | Not-Achieving                                                 |
| 28    | Lucknow               | Daulatganj            | 2003                  | FAB               | 42                    | 42                      | UPJN (Urban)                       | Achieving                                                     |
| 29    | Lucknow               | Daulatganj - 2        | 2009                  | FAB               | 14                    | 14                      | UPJN (Urban)                       | Achieving                                                     |
| 30    | Mainpuri              | Powerhouse Road       | 2014                  | UASB              | 23                    | 17                      | UPJN (Urban)                       | Achieving                                                     |
| 31    | Meerut                | Village Kamalpur      | 2016                  | ASP               | 72                    | 72                      | UPJN (Urban)                       | Achieving                                                     |
| 32    | Mirzapur              | Vindhyachal           | 2022                  | WSP               | 7                     | 3.5                     | UPJN (Urban)                       | Achieving                                                     |
| 33    | Modinagar             | Modinagar             | 2022                  | SBR               | 20                    | 14                      | UPJN (Urban)                       | Achieving                                                     |
| 34    | Muzaffar nagar        | Kidwai nagar          | 2001                  | WSP               | 32.5                  | 30.6                    | UPJN (Urban)                       | Not Achieving                                                 |
| 35    | Pilkhua               | Pilkhua               | 2011                  | ASP               | 3                     | 3                       | UPJN (Urban)                       | Achieving                                                     |
| 36    | Prayagraj             | Salori - 2            | 2016                  | SBR               | 14                    | 13.8                    | UPJN (Urban)                       | Achieving                                                     |
| 37    | Raebareilly           | Raebareilly           | 2022                  | SBR               | 18                    | 4                       | UPJN (Urban)                       | Achieving                                                     |
| 38    | Saharanpur            | Mlahipur              | 1998                  | UASB              | 38                    | 38                      | UPJN (Urban)                       | Achieving                                                     |
| 39    | Saifai                | Saifai                | 2006                  | Oxidation Pond    | 1.6                   | 0.9                     | UPJN (Urban)                       | Not Achieving                                                 |
| 40    | Varanasi              | Dinapur               | 1994                  | ASP               | 80                    | 84                      | UPJN (Urban)                       | Achieving                                                     |
| 41    | Varanasi              | Goitha                | 2018                  | UASB              | 120                   | 48.2                    | UPJN (Urban)                       | Achieving                                                     |
| 42    | Varanasi              | Varanasi GAP-II       | 2018                  | ASP               | 140                   | 91                      | UPJN                               | Achieving                                                     |

| S.No. | Name of Town/District | Name of STP                 | Year of Commissioning | Design Technology | Capacity of STP (MLD) | Utilized Capacity (MLD) | Primary Agency Maintaining the STP | Compliance Status as per MOEFCC notification dated 13.10.2017 |
|-------|-----------------------|-----------------------------|-----------------------|-------------------|-----------------------|-------------------------|------------------------------------|---------------------------------------------------------------|
|       |                       | (JICA)                      |                       |                   |                       |                         | (Urban)                            |                                                               |
| 43    | Vrindavan             | Manth Road                  | 2015                  | UASB              | 8                     | 8                       | UPJN (Urban)                       | Achieving                                                     |
| 44    | Pratapgarh            | Belha Pratapgarh            | 2023                  | FAB               | 8.95                  | 6                       | UPJN (Urban)                       | Achieving                                                     |
| 45    | Ayodhya               | Ramghat Ayodhya-2           | 2023                  |                   | 6                     | 2.5                     | UPJN (Urban)                       | Achieving                                                     |
| 46    | Kanpur                | Baniyapur                   | 2018                  | SBR               | 15                    | 0                       | UPJN (Urban)                       | Not-Operational                                               |
| 47    | Banda                 | Kanwara Road                | 1979                  | Oxidation Pond    | 4                     | 2.7                     | UPJN (Urban)                       | Not operational                                               |
| 48    | Rampur                | Benajeerpur                 | 2015                  | UASB              | 14                    | 14                      | UPJN (Urban)                       | Achieving                                                     |
| 49    | Rampur                | Paharigaon                  | 2015                  | UASB              | 15                    | 0                       | UPJN (Urban)                       | Not operational                                               |
| 50    | Rampur                | Rampur                      | 2017                  | SBR               | 5                     | 0                       | UPJN (Urban)                       | Not operational                                               |
| 51    | Aligarh               | Aligarh                     | 2023                  |                   | 45                    | 0                       | UPJN (Urban)                       | Under Trail Run                                               |
| 52    | Bareilly              | Bareilly                    | 2023                  |                   | 35                    | 0                       | UPJN (Urban)                       | Under Trail Run                                               |
| 53    | Shahjahanpur          | Shahjahanpur                | 2023                  |                   | 40                    | 0                       | UPJN (Urban)                       | Under Trail Run                                               |
| 54    | Gorakhpur             | Gorakhpur                   | 2023                  |                   | 5                     | 0                       | UPJN (Urban)                       | Under Trail Run                                               |
| 55    | Anupshahar            | Anupshahar (NGRBA) Zone-A   | 2018                  | UASB              | 1.5                   | 2                       | UPJN (Rural)                       | Achieving                                                     |
| 56    | Anupshahar            | Anupshahar Zone B           | 2018                  | MBBR              | 1                     | 1.5                     | UPJN (Rural)                       | Achieving                                                     |
| 57    | Baghpat               | Baghpat                     | 2022                  | SBR Pond          | 14                    | 4.5                     | UPJN (Rural)                       | Achieving                                                     |
| 58    | Etawah                | Karanpur                    | 2000                  | WSP               | 10.45                 | 10.45                   | UPJN (Rural)                       | Achieving                                                     |
| 59    | Etawah                | Umren                       | 2013                  | SBR               | 13.45                 | 13.45                   | UPJN (Rural)                       | Achieving                                                     |
| 60    | Etawah                | Etawah                      | 2022                  | SBR               | 21                    | 21                      | UPJN (Rural)                       | Achieving                                                     |
| 61    | Garhmukteshwar        | Garhmukteshwar-I            | 2018                  | UASB              | 6                     | 4                       | UPJN (Rural)                       | Achieving                                                     |
| 62    | Garhmukteshwar        | Garhmukteshwar-II Extension | 2018                  | UASB              | 3                     | 2.5                     | UPJN (Rural)                       | Achieving                                                     |
| 63    | Kanpur                | Bingaon                     | 2015                  | UASB              | 210                   | 135                     | UPJN (Rural)                       | Not Achieving                                                 |
| 64    | Kanpur                | Jajmau - 2                  | 1999                  | ASP               | 130                   | 115                     | UPJN (Rural)                       | Not Achieving                                                 |

| S.No. | Name of Town/District | Name of STP            | Year of Commissioning | Design Technology | Capacity of STP (MLD) | Utilized Capacity (MLD) | Primary Agency Maintaining the STP | Compliance Status as per MOEFCC notification dated 13.10.2017 |
|-------|-----------------------|------------------------|-----------------------|-------------------|-----------------------|-------------------------|------------------------------------|---------------------------------------------------------------|
| 65    | Kanpur                | Kanpur (JNNURM)        | 2016                  | UASB              | 43                    | 42                      | UPJN (Rural)                       | Not Achieving                                                 |
| 66    | Kanpur                | Sajari                 | 2016                  | ASP               | 42                    | 22                      | UPJN (Rural)                       | Achieving                                                     |
| 67    | Kasganj               | Kasganj                | 2022                  | SBR               | 15                    | 15                      | UPJN (Rural)                       | Achieving                                                     |
| 68    | Mathura               | Mosani                 | 2000                  | WSP               | 6.8                   | 6.8                     | UPJN (Rural)                       | Achieving                                                     |
| 69    | Mathura               | Trans Yamuna           | 2016                  | UASB              | 16                    | 16                      | UPJN (Rural)                       | Achieving                                                     |
| 70    | Mathura               | Trans Yamuna - 2       | 2000                  | WSP               | 14.5                  | 14.5                    | UPJN (Rural)                       | Achieving                                                     |
| 71    | Mathura               | Masani                 | 2021                  | SBR               | 30                    | 30                      | UPJN (Rural)                       | Achieving                                                     |
| 72    | Mirzapur              | Pucca pokhra           | 1993                  | UASB              | 14                    | 7                       | UPJN (Rural)                       | Not Achieving                                                 |
| 73    | Moradabad             | Moradabad (NGRBA)      | 2018                  | UASB              | 58                    | 31                      | UPJN (Rural)                       | Achieving                                                     |
| 74    | Narora                | Narora (NGRBA)         | 2019                  | UASB              | 4                     | 3.5                     | UPJN (Rural)                       | Achieving                                                     |
| 75    | Prayagraj             | Kodra                  | 2013                  | HRBF              | 25                    | 28.95                   | UPJN (Rural)                       | Achieving                                                     |
| 76    | Prayagraj             | Naini                  | 1999                  | ASP               | 60                    | 112.88                  | UPJN (Rural)                       | Achieving                                                     |
| 77    | Prayagraj             | Naini - 2              | 2013                  | ASP               | 20                    |                         | UPJN (Rural)                       | Achieving                                                     |
| 78    | Prayagraj             | Numayadih              | 2013                  | HRBF              | 50                    | 59.04                   | UPJN (Rural)                       | Achieving                                                     |
| 79    | Prayagraj             | Ponghat                | 2013                  | HRBF              | 10                    | 13.14                   | UPJN (Rural)                       | Achieving                                                     |
| 80    | Prayagraj             | Rajapur                | 2013                  | UASB              | 60                    | 72.03                   | UPJN (Rural)                       | Achieving                                                     |
| 81    | Prayagraj             | Salori - 3             | 2007                  | FAB               | 29                    | 39.26                   | UPJN (Rural)                       | Achieving                                                     |
| 82    | Varanasi              | Bhagwanpur             | 1994                  | ASP               | 8                     | 10                      | UPJN (Rural)                       | Achieving                                                     |
| 83    | Varanasi              | Ramna                  | 2021                  | SBR               | 50                    | 50                      | UPJN (Rural)                       | Achieving                                                     |
| 84    | Varanasi              | Ramnagar               | 2021                  | A2O               | 10                    | 9.5                     | UPJN (Rural)                       | Achieving                                                     |
| 85    | Vrindavan             | Near Pagal Baba Mandir | 1998                  | WSP               | 4                     | 4                       | UPJN (Rural)                       | Achieving                                                     |
| 86    | Bithoor               | Bithoor                | 2020                  | Wetland           | 1.3                   | 1.3                     | UPJN (Rural)                       | Achieving                                                     |
| 87    | Varanasi              | Jaunpur                | 2023                  | A2O               | 30                    | 30                      | UPJN                               | Achieving                                                     |

| S.No. | Name of Town/District | Name of STP              | Year of Commissioning | Design Technology | Capacity of STP (MLD) | Utilized Capacity (MLD) | Primary Agency Maintaining the STP | Compliance Status as per MOEFCC notification dated 13.10.2017 |
|-------|-----------------------|--------------------------|-----------------------|-------------------|-----------------------|-------------------------|------------------------------------|---------------------------------------------------------------|
|       |                       | Varanasi                 |                       |                   |                       |                         | (Rural)                            |                                                               |
| 88    | Prayagraj             | 42 MLD STP Naini         | 2023                  |                   | 42                    | 42                      | UPJN (Rural)                       | Achieving                                                     |
| 89    | Prayagraj             | 14 MLD STP Phaphamau     | 2023                  |                   | 14                    | 14                      | UPJN (Rural)                       | Achieving                                                     |
| 90    | Kanpur                | Pankha                   | 2023                  |                   | 30                    |                         | UPJN (Rural)                       | Under Trial Run                                               |
| 91    | Agra                  | Bichhpuri - 2            | 2013                  | SBR               | 36                    | 36                      | ADA                                | Achieving                                                     |
| 92    | Agra                  | Kalandi Bihar            | 2013                  | UASB              | 4.5                   | 4.5                     | ADA                                | Achieving                                                     |
| 93    | Chitrakoot            | Near Viklang Kendra      | 2016                  | Oxidation         | 3.42                  | 3.42                    | NPP                                | Achieving                                                     |
| 94    | Firozabad             | Firozabad                | 2012                  | UASB              | 3                     | 3                       | NPP                                | Achieving                                                     |
| 95    | Ghaziabad             | Bapudham                 | 2018                  | UASB              | 56                    | 56                      | GDA                                | Achieving                                                     |
| 96    | Ghaziabad             | Govindpuram              | 2012                  | UASB              | 56                    | 56                      | GDA                                | Achieving                                                     |
| 97    | Ghaziabad             | Indirapuram 3            | 2012                  | UASB              | 56                    | 56                      | GDA                                | Achieving                                                     |
| 98    | Ghaziabad             | Morti Rajendra Nagar     | 2011                  | SBR               | 56                    | 56                      | GDA                                | Achieving                                                     |
| 99    | Greater Noida         | Badalpur                 | 2013                  | SBR               | 2                     | 1.5                     | Greater Noida                      | Achieving                                                     |
| 100   | Greater Noida         | Ecotech 2nd              | 2018                  | SBR               | 15                    | 8                       | Greater Noida                      | Achieving                                                     |
| 101   | Greater Noida         | Ecotech 3rd              | 2018                  | SBR               | 20                    | 10                      | Greater Noida                      | Achieving                                                     |
| 102   | Greater Noida         | Kasna                    | 2013                  | SBR               | 137                   | 50                      | Greater Noida                      | Achieving                                                     |
| 103   | Loni                  | Tronica City             | 2020                  | MBBR              | 5                     | 3                       | UPSIDA                             | Achieving                                                     |
| 104   | Lucknow               | Awas Vikas STP           | 2017                  | SBR               | 37.5                  | 37.5                    | Awas Vikas                         | Achieving                                                     |
| 105   | Lucknow               | Jalkal                   | 2010                  | SBR               | 6.5                   | 6.5                     | Jalkal                             | Achieving                                                     |
| 106   | Mathura               | Trans Yamuna (Gowardhan) | 2010                  | WSP               | 2.76                  | 2.76                    | NPP                                | Not Achieving                                                 |
| 107   | Meerut                | Ganga Nagar              | 2011                  | SBR               | 10                    | 3.8                     | MDA                                | Not Achieving                                                 |
| 108   | Meerut                | Lohia Nagar              | 2010                  | ASP               | 10                    | 2                       | MDA                                | Not Achieving                                                 |
| 109   | Meerut                | Major Dhyan Chand        | 2012                  | ASP               | 7                     | 4                       | MDA                                | Not Achieving                                                 |
| 110   | Meerut                | Modipuram Tiraha         | 2016                  | ASP               | 5                     | 4.9                     | MDA                                | Not Achieving                                                 |
| 111   | Meerut                | Pallavpuram              | 2012                  | ASP               | 7                     | 6.5                     | MDA                                | Not Achieving                                                 |
| 112   | Meerut                | Pallavpuram - 2          | 2008                  | ASP               | 11                    | 7                       | MDA                                | Not Operational due to maintenance work                       |

| S.No. | Name of Town/District | Name of STP               | Year of Commissioning | Design Technology | Capacity of STP (MLD) | Utilized Capacity (MLD) | Primary Agency Maintaining the STP | Compliance Status as per MOEFCC notification dated 13.10.2017 |
|-------|-----------------------|---------------------------|-----------------------|-------------------|-----------------------|-------------------------|------------------------------------|---------------------------------------------------------------|
| 113   | Meerut                | Pandav Nagar              | 2008                  | ASP               | 3                     | 2.7                     | MDA                                | Not Achieving                                                 |
| 114   | Meerut                | Rakshapuram               | 2011                  | ASP               | 6                     | 4.4                     | MDA                                | Not Achieving                                                 |
| 115   | Meerut                | Saardapuri Phase 2        | 2011                  | SBR               | 6                     | 5.5                     | MDA                                | Not Achieving                                                 |
| 116   | Meerut                | Sainik Vihar              | 2017                  | UASB              | 6                     | 5.95                    | MDA                                | Not Achieving                                                 |
| 117   | Meerut                | Sharda Puri Phase-1       | 2011                  | ASP               | 6                     | 5.6                     | MDA                                | Not Achieving                                                 |
| 118   | Meerut                | Shatabdi Nagar            | 2010                  | ASP               | 15                    | 4.8                     | MDA                                | Not Achieving                                                 |
| 119   | Meerut                | Ved Vyaspur               | 2010                  | ASP               | 15                    | 4.5                     | MDA                                | Not Achieving                                                 |
| 120   | Narora                | Narora Atomic Power Plant | 2010                  | ASP               | 2.25                  | 2.25                    | Narora Atomic Power Plant          | Achieving                                                     |
| 121   | Noida                 | Sector-123                | 2009                  | SBR               | 35                    | 35                      | Noida                              | Achieving                                                     |
| 122   | Noida                 | Sector-168                | 2009                  | SBR               | 50                    | 50                      | Noida                              | Achieving                                                     |
| 123   | Noida                 | Sector-50                 | 2009                  | SBR               | 25                    | 25                      | Noida                              | Achieving                                                     |
| 124   | Noida                 | Sector-50-2               | 2013                  | SBR               | 34                    | 34                      | Noida                              | Achieving                                                     |
| 125   | Noida                 | Sector-54-2               | 2009                  | SBR               | 33                    | 33                      | Noida                              | Achieving                                                     |
| 126   | Noida                 | Sector-54-3               | 2013                  | SBR               | 54                    | 54                      | Noida                              | Achieving                                                     |
| 127   | Noida                 | STP 168                   | 2022                  | SBR               | 100                   | 20                      | Noida                              | Achieving                                                     |
| 128   | Varanasi              | DLW                       | 1989                  | ASP               | 12                    | 12                      | BLW                                | Not operational                                               |
| 129   | Moradabad             | MDA, New Moradabad        | 2017                  | SBR               | 20                    | 0                       | Moradabad Development Authority    | Not operational                                               |
| 130   | Noida                 | STP 123                   | 2022                  | SBR               | 80                    | 20                      | Noida                              | Achieving                                                     |
|       |                       |                           |                       | <b>Total</b>      | <b>4074.5</b>         | <b>3187.27</b>          |                                    |                                                               |

**Annexure-2****Details of under construction STPs in the State  
(June 2023)**

| S. No. | Name Of Town/District | No. of STP | Capacity (MLD) | Constructing Agency                                  | Date of Completion | Present Progress                            | Status of I&D or House sewer connections/ Remarks   |
|--------|-----------------------|------------|----------------|------------------------------------------------------|--------------------|---------------------------------------------|-----------------------------------------------------|
| 1      | Mirzapur              | 2          | 17             | UP Jal Nigam (Rural)                                 | Jan-24             | 63.00%                                      | 12 I&D works proposed. Work in progress.            |
| 2      | Ghazipur              | 1          | 21             | UP Jal Nigam (Rural)                                 | Jan-24             | 62.00%                                      | No I&D work proposed                                |
| 3      | Ballia                | 1          | 19.6           | State Sector                                         | -                  | Balance work to be executed by UPJN (Urban) |                                                     |
| 4      | Unnao                 | 1          | 15             | Under Namami Gange Programme by UP Jal Nigam (Rural) | Jul, 23            | 95.00%                                      | 1 I&D works completed. Balance work is in progress. |
| 5      | Shuklaganj            | 1          | 5              | Namami Gange Programme by UP Jal Nigam (Rural)       | Oct-23             | 74.00%                                      | 5 I&D works proposed. Work is in progress           |
| 6      | Moradabad             | 1          | 25             | Namami Gange Programme by UP Jal Nigam (Rural)       | Dec-24             | 13.00%                                      | 5 I&D works proposed. Work is in progress           |
| 7      | G. H. Canal , Lucknow | 1          | 120            | UPJN (Urban)                                         | Sep-23             | 87.00%                                      |                                                     |
| 8      | Gorakhpur             | 1          | 10             | UPJN (Urban)                                         | Jun-23             | 86.00%                                      |                                                     |
| 9      | Gorakhpur             | 1          | 10             | UPJN (Urban)                                         | Sep-24             | 2.00%                                       |                                                     |

| S. No. | Name Of Town/District | No. of STP | Capacity (MLD) | Constructing Agency                            | Date of Completion | Present Progress | Status of I&D or House sewer connections/ Remarks  |
|--------|-----------------------|------------|----------------|------------------------------------------------|--------------------|------------------|----------------------------------------------------|
| 10     | Gorakhpur             | 1          | 30             | UPJN (Urban)                                   | Mar-25             | 3.00%            |                                                    |
| 11     | Gorakhpur             | 1          | 38             | UPJN (Urban)                                   | Mar-25             | 3.00%            |                                                    |
| 12     | Balrampur             | 1          | 8.5            | UPJN (Urban)                                   | Nov-23             | 55.00%           |                                                    |
| 13     | Sultanpur             | 3          | 17             | Namami Gange Programme by UP Jal Nigam (Rural) | Jul, 23            | 99.00%           | 4/5 I&D works completed. Balance work in progress. |
| 14     | Muzaffarnagar         | 2          | 54.5           | Namami Gange Programme by UP Jal Nigam (Rural) | Aug-23             | 86.40%           | 5 I&D works proposed. Work in progress.            |
| 15     | Budhana               | 1          | 10             | Namami Gange Programme by UP Jal Nigam (Rural) | Jun-23             | 95.00%           | 3 I&D works proposed. Work in progress.            |
| 16     | Hathi Park, Lucknow   | 1          | 1.5            | Smart City                                     | -                  | -                | -                                                  |
| 17     | C.G. City, Lucknow    | 1          | 19             | LDA                                            | -                  | -                | -                                                  |
| 18     | Daulatganj, Lucknow   | 1          | 39             | U.P. Jal Nigam (Rural)                         | Dec-23.            | 38.37%           | 4 I&D works proposed. Work in progress.            |
| 19     | Bairikala, Lucknow    | 1          | 1              | U.P. Jal Nigam (Rural)                         | Dec-23.            | 38.37%           | 4 I&D works proposed. Work in progress.            |
| 20     | Fatehgarh             | 3          | 45             | U.P. Jal Nigam (Rural)                         | Jun-24.            | 53.00%           | 6 I&D works proposed. Work in progress.            |
| 21     | Bareilly              | 3          | 63             | U.P. Jal Nigam (Rural)                         | Aug-24             | 77.50%           | 15 I&D works proposed. Work in progress.           |
| 22     | Kairana               | 1          | 15             | U.P. Jal Nigam (Rural)                         | Aug-23             | 67.92%           | 1 I&D works proposed. Work in progress.            |

| S. No.                       | Name Of Town/District | No. of STP | Capacity (MLD) | Constructing Agency                     | Date of Completion | Present Progress | Status of I&D or House sewer connections/ Remarks |
|------------------------------|-----------------------|------------|----------------|-----------------------------------------|--------------------|------------------|---------------------------------------------------|
| 23                           | Azamgarh              | 1          | 8              | AMRUT Programme by UP Jal Nigam (Urban) | Jan-24             | 55.00%           |                                                   |
| 24                           | Ayodhya               | 1          | 33             | U.P. Jal Nigam (Rural)                  | Dec-24.            | 34.42%           | 15 I&D works proposed. Work in progress.          |
| 25                           | Agra                  | 13         | 177.6          | U.P. Jal Nigam (Rural)                  | Dec-24.            | 13.50%           | 22 I&D works proposed. Work in progress.          |
| 26                           | Ghaziabad             | 1          | 21.5           | Awas Vikas Parishad                     | Jul, 23            | 70.00%           |                                                   |
| 27                           | Jhansi                | 1          | 26             | Nagar Nigam, Jhansi                     | Aug, 23            | 60.00%           |                                                   |
|                              | <b>Total</b>          | <b>47</b>  | <b>850.2</b>   |                                         |                    |                  |                                                   |
| <b>Source : UP Jal Nigam</b> |                       |            |                |                                         |                    |                  |                                                   |

**Details of proposed STPs by UPJN (Rural)– Jun, 2023****A. Under Tendering Stage**

| Sl. | Location                        | No. of STPs | Capacity of STP proposed (MLD) | Status of Project                                                                                                                                                                                                                                                                                                   | Timeline   |
|-----|---------------------------------|-------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1   | Meerut                          | 1           | 220                            | LOA has been issued to the firm on 27.05.2023.                                                                                                                                                                                                                                                                      | Jun - 2025 |
| 2   | Saharanpur                      | 1           | 135                            | Technical bids were opened on 23.03.2023. 6 bids were received which have been evaluated. Evaluation report has been submitted to NMCG on 24.05.2023. After the approval from NMCG, financial bids will be opened.                                                                                                  |            |
| 3   | Varanasi                        | 1           | 55                             | Technical bids were opened on 06.03.2023. 9 bids were received which have been evaluated. Evaluation report has been submitted to NMCG on 24.05.2023. Observations were received from NMCG over the TBR , reply to NMCG has been sent on date 03.07.2023. After approval from NMCG , financial bids will be opened. |            |
| 4   | Mathura                         | 1           | 60                             | Technical bids were opened on 03.04.2023. 4 bids were received which have been evaluated. Financial bids were opened on 30.05.2023 and financial bid evaluation report sent to NMCG on 14.07.2023.                                                                                                                  |            |
| 5   | Kosi                            | 1           | 12                             | Technical bid were opened on 26.06.2023. 9 bids were received which are under evaluation.                                                                                                                                                                                                                           |            |
| 6   | Chhata                          | 1           | 6                              | Technical bid were opened on 26.06.2023. 2 bids were received which are under evaluation.                                                                                                                                                                                                                           |            |
| 7   | Vrindavan                       | 1           | 13                             | Technical bid were opened on 26.06.2023. 6 bids were received which are under evaluation.                                                                                                                                                                                                                           |            |
| 8   | Hathras                         | 1           | 24                             | Technical bid were opened on 26.06.2023. 7 bids were received which are under evaluation.                                                                                                                                                                                                                           |            |
| 9   | Prayagraj (Distt. D)            | 1           | 90                             | Technical bids were opened on 08.06.2023. 8 bids have been received which are under evaluation.                                                                                                                                                                                                                     |            |
| 10  | Lucknow                         | 1           | 50                             | Last date for submission of bids is 22.06.2023 and 8 bids have been received which are under evaluation.                                                                                                                                                                                                            |            |
| 11  | Prayagraj (Distt. C)            | 1           | 43                             | Project has been sanctioned vide NMCG letter dated 14.03.2023. Bid documents were submitted to NMCG on 01.04.2023. Observations on bid documents have been intimated by NMCG on 03.05.2023. Technical bids were opened on 17.07.2023. 10 bids have been received which are under evaluation.                        |            |
| 12  | Shamli Town                     | 1           | 40                             | Bid documents has been prepared and submitted to NMCG for evaluation. After approval of bid document NIT will be issued.                                                                                                                                                                                            |            |
| 13  | Banat Town, distt. Shamli       | 1           | 5                              |                                                                                                                                                                                                                                                                                                                     |            |
| 14  | Thanabhawan town, distt. Shamli | 1           | 10                             |                                                                                                                                                                                                                                                                                                                     |            |
| 15  | Babri-Bantikhera, disttShamli   | 1           | 5                              |                                                                                                                                                                                                                                                                                                                     |            |
|     | Total                           | 15          | 768                            |                                                                                                                                                                                                                                                                                                                     |            |

| <b>Details of STP under tendering Stage in the State by UPJN (Urban) June-2023</b> |                 |                   |                                       |                                                                                               |                         |                 |
|------------------------------------------------------------------------------------|-----------------|-------------------|---------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------|-----------------|
| <b>Sl.</b>                                                                         | <b>Location</b> | <b>No. of STP</b> | <b>Capacity of STP proposed (MLD)</b> | <b>Status of Tender(Complete or Under Process)</b>                                            | <b>Executing Agency</b> | <b>Timeline</b> |
| 1                                                                                  | Ghaziabad       | 1                 | 68                                    | Tender have been cancelled and under re-tendering, Technical bid will be opened on 27.07.2023 | UPJN (Urban)            | Jun-25          |
|                                                                                    | <b>Total</b>    | <b>1</b>          | <b>68</b>                             |                                                                                               |                         |                 |

**Annexure-3B****B. Status of DPR submitted/to be submitted to NMCG for approval ( UPJN- Rural)**

| Sl.                                      | Location/Town             | No. of STPs | Capacity of STP proposed (MLD) | Remarks                                                                                                                 | Likely Date of Completion                           |
|------------------------------------------|---------------------------|-------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>DPRs under review in NMCG/TPA</b>     |                           |             |                                |                                                                                                                         |                                                     |
| 1                                        | Chandauli                 | 1           | 37                             | DPR is under TPA.                                                                                                       | 24 months after issuance of effective date of start |
| 2                                        | Aligarh                   | 2           | 113                            | DPR is under TPA.                                                                                                       |                                                     |
| 3                                        | Dalmau, Raebareilly       | -           | 0.006                          | DPR is under TPA.                                                                                                       |                                                     |
| 4                                        | Varanasi (Durga drain)    | 1           | 55                             | DPR is under TPA.                                                                                                       |                                                     |
| 5                                        | Prayagraj (District G)    | 1           | 50                             | DPR is under TPA.                                                                                                       |                                                     |
| 6                                        | Lucknow Phase-II, Part -2 | 1           | 100                            | DPR is under TPA.                                                                                                       |                                                     |
| 7                                        | Lucknow Phase-III         | 1           | 75                             | DPR is under TPA.                                                                                                       |                                                     |
| 8                                        | Gulaothi, Bulandshahar    | 1           | 10                             | DPR is under TPA.                                                                                                       |                                                     |
| 9                                        | Manikpur                  | 1           | 2.4                            | Revised DPR was submitted to NMCG on 18.08.2022.                                                                        |                                                     |
| 10                                       | Mau                       | 1           | 3.5                            | Revised DPR was submitted to NMCG on 04.12.2022. Observation on DPR received on 11.07.2023.                             |                                                     |
| 11                                       | Hapur                     | 1           | 6                              | Revised DPR was submitted to NMCG on 24.01.2023.                                                                        |                                                     |
| 12                                       | Kanpur                    | -           | -                              | DPR was submitted to NMCG on 08.03.2023.                                                                                |                                                     |
| 13                                       | Deoband                   | 1           | 20                             | DPR was submitted to NMCG on 05.06.2023.                                                                                |                                                     |
| 14                                       | Moradabad (Zone-III)      | 1           | 43                             | Revised DPR was submitted to NMCG on 02.06.2023.                                                                        |                                                     |
| <b>Sub-Total (A)-14 DPRs</b>             |                           | <b>13</b>   | <b>514.90</b>                  |                                                                                                                         |                                                     |
| <b>DPRs under review in UPJN (Rural)</b> |                           |             |                                |                                                                                                                         |                                                     |
| 1                                        | Gorakhpur                 | 1           | 44                             | Revised DPR was submitted to NMCG on 04.11.2022. Observations have been intimated by NMCG vide letter dated 09.06.2023. | 24 months after issuance of effective date of start |
| 2                                        | Tanda, Ambedkar Nagar     | 1           | 15                             | Revised DPR was submitted to SMCG on 24.05.2023. Observations have been intimated by SMCG vide letter dated 07.06.2023. |                                                     |
| 3                                        | Barhalganj, Gorakhpur     | 1           | 6                              | Revised DPR was submitted to NMCG on 16.01.2023. Observations have been intimated by NMCG vide letter dated 09.06.2023. |                                                     |
| <b>Sub-Total (B) – 3 DPRs</b>            |                           | <b>3</b>    | <b>65.00</b>                   |                                                                                                                         |                                                     |
| <b>Grand Total (A+B) – 17 DPRs</b>       |                           | <b>16</b>   | <b>579.90</b>                  |                                                                                                                         |                                                     |

**Annexure-4**

| <b>Status of CETP</b><br><b>June 2023</b> |           |                                                                        |                                             |                |                        |                    |                                 |                                                                          |
|-------------------------------------------|-----------|------------------------------------------------------------------------|---------------------------------------------|----------------|------------------------|--------------------|---------------------------------|--------------------------------------------------------------------------|
| S.N                                       | District  | Name and Address of the CETPs                                          | Operated by                                 | Capacity (MLD) | Nature of Member Units | Operational Status | Observed final effluent quality | Name of treated Effluent receiving water body Drain/Sub-Tributary/ River |
| 1                                         | Hapur     | CETP, HPDA, Pilkhaun, Hapur                                            | HPDA                                        | 2.1 MLD        | Textile                | Operational        | Achieving                       | River Ganga through River Kali East                                      |
| 2                                         | Kanpur    | CETP, UPSIDC Textile Complex, Rooma, Kanpur (for textile units)        | UPSIDC/ Rooma Pollution Control Association | 1.5 MLD        | Textile                | Operational        | Not- Achieving                  | On Land                                                                  |
| 3                                         | Ghaziabad | Apparel Park Tronica City CETP, Phase-I (for textile units), Ghaziabad | UPSIDC                                      | 6 MLD          | Textile                | Operational        | Achieving                       | River Yamuna Through Hindon River                                        |
| 4                                         | Mathura   | CETP, Industrial Area, Site-A, Mathura                                 | Industrial Association                      | 6.25 MLD       | Textile                | Operational        | Achieving                       | River Yamuna                                                             |
| 5                                         | Unnao     | Banther Industrial Pollution Control Co. CETP, Banther, Unnao          | Banther Industrial Pollution Control Co.    | 4.5 MLD        | Tannery                | Operational        | Not- Achieving                  | River Ganga                                                              |
| 6                                         | Unnao     | Unnao Tanneries Pollution Control Company (CETP) Site-II, Unnao        | Unnao Tanneries Pollution Control Company   | 2.15 MLD       | Tannery                | Operational        | Not- Achieving                  | River Ganga                                                              |
| 7                                         | Kanpur    | CETP Jajmau, Kanpur                                                    | U.P. Jal Nigam                              | 36 MLD         | Tannery                | Operational        | Not Achieving                   | Irrigation Channel                                                       |

**Annexure-5**

| Solid Waste Progeess Report |               |                   |          |                           |                                                 |
|-----------------------------|---------------|-------------------|----------|---------------------------|-------------------------------------------------|
| Current Status              |               |                   |          |                           |                                                 |
| 19 Plants                   |               |                   |          |                           |                                                 |
| S.N.                        | District      | ULB               | Capacity | Authorization Valid Up to | Current Status<br>(Operational/Non-Operational) |
| 1                           | Hapur         | Pilkhuwa          | 45       | 17-03-2028                | Operational                                     |
| 2                           | Prayagraj     | Prayagraj         | 400      | 15-03-2028                | Operational                                     |
| 3                           | Kannauj       | Kannauj           | 25       | 15-03-2028                | Operational                                     |
| 4                           | Kanpur        | Kanpur            | 1500     | 02-04-2028                | Operational                                     |
| 5                           | Muzaffarnagar | Muzaffarnagar     | 120      | 16-03-2028                | Operational                                     |
| 6                           | Aligarh       | Aligarh           | 220      | 16-03-2028                | Operational                                     |
| 7                           | Etawah        | Etawah            | 75       | 14-04-2027                | Operational                                     |
| 8                           | Mathura       | Mathura Vrindavan | 180      | 16-03-2028                | Operational                                     |
| 9                           | Agra          | Agra              | 300      | 01-07-2024                | Operational                                     |
| 10                          | Barabanki     | Nawabganj         | 100      | 27-03-2028                | Operational                                     |
| 11                          | Lucknow       | Lucknow           | 1300     | 16-03-2027                | Operational                                     |
| 12                          | Varanasi      | Varanasi          | 600      | 31-12-2027                | Operational                                     |
| 13                          | Jaunpur       | Jaunpur           | 60       | 31-12-2027                | Operational                                     |
| 14                          | Ballia        | Ballia            | 50       | Not Granted               | Operational                                     |
| 15                          | Azamgarh      | Mubarakpur        | 40       | 31-12-2027                | Operational                                     |
| 16                          | Moradabad     | Moradabad         | 400      | 31-12-2027                | Operational                                     |
| 17                          | Noida         | Noida             | 380      |                           | Operational                                     |
| 18                          | Ballia        | Reoti             | 10       | Applied For Authorization | Operational                                     |
| 19                          | Shahjahanpur  | Shahjahanpur      | 90       | Applied For Authorization | Operational                                     |
| Total                       |               |                   | 5895     |                           |                                                 |

# Annexure-5.1

| Solid Waste Progress Report |             |                     |            |                               |                               |                            |
|-----------------------------|-------------|---------------------|------------|-------------------------------|-------------------------------|----------------------------|
| Current Status              |             |                     |            |                               |                               |                            |
| 161 ULBs(Compost Pits)      |             |                     |            |                               |                               |                            |
| S.No.                       | District    | ULB Name            | No. Of Pit | Pit Composting Capacity (TPD) | Pit Composting Utilized (TPD) | Issues related to progress |
| 1                           | Agra        | Agra                | 44         | 528                           | 528                           | No issue                   |
| 2                           | Agra        | Shamsabad           | 5          | 6.5                           | 2.5                           | No issue                   |
| 3                           | Agra        | Fatehpur Sikri      | 5          | 6.5                           | 2.5                           | No issue                   |
| 4                           | Agra        | ACHHNERA            | 4          | 4                             | 2                             | No issue                   |
| 5                           | Agra        | ETMADPUR            | 4          | 4                             | 2                             | No issue                   |
| 6                           | Agra        | Bah                 | 2          | 2.8                           | 1.5                           | No issue                   |
| 7                           | Agra        | Jagner              | 2          | 2                             | 1                             | No issue                   |
| 8                           | Agra        | Kheragarh           | 4          | 4.5                           | 1.8                           | No issue                   |
| 9                           | Agra        | Kiraoli             | 4          | 4.5                           | 1                             | No issue                   |
| 10                          | Agra        | Pinahat             | 3          | 3                             | 1                             | No issue                   |
| 11                          | Amroha      | Hasanpur            | 6          | 7.5                           | 7                             | No issue                   |
| 12                          | Amroha      | Bachhraon           | 5          | 2                             | 1                             | No issue                   |
| 13                          | Amroha      | Naugawan Sadat      | 6          | 4                             | 6                             | No issue                   |
| 14                          | Bareilly    | Bisharatganj        | 2          | 5                             | 5                             | No issue                   |
| 15                          | Bareilly    | Fatehganj Pashchimi | 2          | 5                             | 5                             | No issue                   |
| 16                          | Bareilly    | Meerganj            | 2          | 5                             | 1.99                          | No issue                   |
| 17                          | Basti       | Basti               | 2          | 2                             | 2                             | No issue                   |
| 18                          | Bhadohi     | Bhadohi             | 2          | 4                             | 2                             | No issue                   |
| 19                          | Bhadohi     | Nai Bazar           | 3          | 3                             | 1                             | No issue                   |
| 20                          | Bhadohi     | Gopiganj            | 2          | 1.5                           | 0.5                           | No issue                   |
| 21                          | Bulandshahr | Anupshahr           | 5          | 0.5                           | 0.5                           | No issue                   |
| 22                          | Etah        | Etah                | 3          | 5                             | 5                             | No issue                   |
| 23                          | Etah        | Marhera             | 4          | 5                             | 5                             | No issue                   |
| 24                          | Etah        | Aliganj             | 4          | 5                             | 5                             | No issue                   |
| 25                          | Etah        | Awagarh             | 2          | 4                             | 2.3                           | No issue                   |
| 26                          | Etah        | Jaithara            | 1          | 5                             | 2.52                          | No issue                   |
| 27                          | Etah        | Nidhauri Kalan      | 2          | 2                             | 1.77                          | No issue                   |
| 28                          | Etah        | Sakit               | 2          | 2                             | 1.69                          | No issue                   |
| 29                          | Etawah      | Etawah              | 5          | 5                             | 5                             | No issue                   |
| 30                          | Etawah      | Bharthana           | 3          | 3                             | 3                             | No issue                   |
| 31                          | Etawah      | Jaswantnagar        | 3          | 3                             | 3                             | No issue                   |
| 32                          | Etawah      | Bakewar             | 1          | 1                             | 1                             | No issue                   |
| 33                          | Etawah      | Ekdil               | 2          | 2                             | 2                             | No issue                   |
| 34                          | Etawah      | Lakhna              | 1          | 1                             | 1                             | No issue                   |
| 35                          | Farrukhabad | Farrukhabad         | 3          | 3                             | 3                             | No issue                   |
| 36                          | Farrukhabad | Kaimganj            | 8          | 4                             | 4                             | No issue                   |
| 37                          | Farrukhabad | Kamalganj           | 1          | 1                             | 1                             | No issue                   |
| 38                          | Farrukhabad | Kampil              | 1          | 1                             | 1                             | No issue                   |
| 39                          | Farrukhabad | Mohammadabad        | 6          | 4                             | 4                             | No issue                   |
| 40                          | Farrukhabad | Shamsabad           | 10         | 5                             | 5                             | No issue                   |

|    |                |                        |    |      |      |          |
|----|----------------|------------------------|----|------|------|----------|
| 41 | Fatehpur       | Fatehpur               | 5  | 20   | 20   | No issue |
| 42 | Fatehpur       | Bindki                 | 4  | 8    | 4    | No issue |
| 43 | Fatehpur       | Hathgam                | 1  | 1    | 1    | No issue |
| 44 | Fatehpur       | Khaga                  | 67 | 30   | 30   | No issue |
| 45 | Fatehpur       | Kora Jahanabad         | 6  | 12   | 3    | No issue |
| 46 | Hamirpur       | Gohand                 | 3  | 3    | 2    | No issue |
| 47 | Hardoi         | Hardoi                 | 4  | 12   | 12   | No issue |
| 48 | Hardoi         | Shahabad               | 2  | 3    | 3    | No issue |
| 49 | Hardoi         | Sandila                | 4  | 5.5  | 5.5  | No issue |
| 50 | Hardoi         | Mallawan               | 4  | 3    | 3    | No issue |
| 51 | Hardoi         | PIHANI                 | 2  | 4.5  | 4.5  | No issue |
| 52 | Hardoi         | Bilgram                | 6  | 4    | 4    | No issue |
| 53 | Hardoi         | Sandi                  | 2  | 3.5  | 3.5  | No issue |
| 54 | Hardoi         | Beniganj               | 2  | 1.5  | 1.5  | No issue |
| 55 | Hardoi         | Gopamau                | 4  | 2.23 | 2.23 | No issue |
| 56 | Hardoi         | Kachhauna Patseni      | 2  | 2.1  | 2.1  | No issue |
| 57 | Hardoi         | Kursath                | 2  | 0.1  | 0.1  | No issue |
| 58 | Hardoi         | Madhoganj              | 2  | 4    | 4    | No issue |
| 59 | Hardoi         | Pali                   | 2  | 2.35 | 2.35 | No issue |
| 60 | Hathras        | Hathras                | 8  | 8    | 6    | No issue |
| 61 | Hathras        | Sadabad                | 8  | 8    | 4    | No issue |
| 62 | Kaushambi      | Bharwari               | 5  | 5    | 1    | No issue |
| 63 | Kaushambi      | Manjhanpur             | 8  | 8    | 1    | No issue |
| 64 | Kaushambi      | Ajuwa                  | 2  | 2    | 0.5  | No issue |
| 65 | Kaushambi      | Chail                  | 1  | 1    | 0.25 | No issue |
| 66 | Kaushambi      | Karari                 | 2  | 2    | 0.5  | No issue |
| 67 | Kaushambi      | Daranagar              | 2  | 2    | 0.5  | No issue |
| 68 | Kaushambi      | Purab Pashchim Sharira | 2  | 2    | 0.5  | No issue |
| 69 | Kaushambi      | Sarai Aquil            | 2  | 2    | 0.5  | No issue |
| 70 | Kaushambi      | Sirathu                | 2  | 2    | 0.5  | No issue |
| 71 | Kaushambi      | Charwa                 | 2  | 2    | 0.5  | No issue |
| 72 | Kushinagar     | Padrauna               | 2  | 2    | 2    | No issue |
| 73 | Kushinagar     | Kushinagar             | 2  | 5    | 2    | No issue |
| 74 | Kushinagar     | Hata                   | 2  | 5    | 2    | No issue |
| 75 | Kushinagar     | Kaptanganj             | 1  | 2    | 2    | No issue |
| 76 | Kushinagar     | Dudahi                 | 2  | 2    | 2    | No issue |
| 77 | Kushinagar     | Ramkola                | 1  | 2    | 2    | No issue |
| 78 | Kushinagar     | Sewarhi                | 1  | 1    | 1    | No issue |
| 79 | Lakimpur Kheri | Lakhimpur              | 5  | 5    | 5    | No issue |
| 80 | Lakimpur Kheri | Gola Gokarannath       | 1  | 1    | 1    | No issue |
| 81 | Lakimpur Kheri | MOHAMMADI              | 1  | 1    | 1    | No issue |
| 82 | Lakimpur Kheri | Barwar                 | 16 | 16   | 3    | No issue |
| 83 | Lakimpur Kheri | Dhaurahra              | 4  | 10   | 6    | No issue |
| 84 | Lakimpur Kheri | Kheri                  | 2  | 2    | 2    | No issue |

|     |                |                  |     |     |      |          |
|-----|----------------|------------------|-----|-----|------|----------|
| 85  | Lakimpur Kheri | Mailani          | 1   | 1   | 1    | No issue |
| 86  | Lakimpur Kheri | Oel Dhakhwa      | 2   | 1   | 2    | No issue |
| 87  | Lakimpur Kheri | Singahi Bhedaura | 1   | 1   | 1    | No issue |
| 88  | Lucknow        | Lucknow          | 142 | 213 | 213  | No issue |
| 89  | Lucknow        | Amethi           | 2   | 6   | 6    | No issue |
| 90  | Lucknow        | Bakshi Ka Talab  | 2   | 6   | 6    | No issue |
| 91  | Lucknow        | Gosaiganj        | 1   | 3   | 3    | No issue |
| 92  | Lucknow        | Itaunja          | 1   | 3   | 3    | No issue |
| 93  | Lucknow        | Kakori           | 1   | 3   | 3    | No issue |
| 94  | Lucknow        | Mahona           | 1   | 3   | 3    | No issue |
| 95  | Lucknow        | Malihabad        | 1   | 3   | 3    | No issue |
| 96  | Lucknow        | Banthara         | 2   | 6   | 6    | No issue |
| 97  | Lucknow        | Mohanlalganj     | 2   | 6   | 6    | No issue |
| 98  | Lucknow        | Nagram           | 2   | 6   | 6    | No issue |
| 99  | Mahoba         | Mahoba           | 6   | 2   | 3.25 | No issue |
| 100 | Mahoba         | Charkhari        | 3   | 1   | 1    | No issue |
| 101 | Mahoba         | Kabrai           | 3   | 1   | 1    | No issue |
| 102 | Mahoba         | Kharela          | 3   | 1   | 1    | No issue |
| 103 | Mahoba         | Kulpahar         | 6   | 2   | 2    | No issue |
| 104 | Mainpuri       | Mainpuri         | 18  | 30  | 30   | No issue |
| 105 | Meerut         | Shahjahanpur     | 1   | 4   | 2.37 | No issue |
| 106 | Meerut         | Siwalkhas        | 1   | 2   | 0.5  | No issue |
| 107 | Mirzapur       | Mirzapur         | 2   | 2   | 2    | No issue |
| 108 | Mirzapur       | Chunar           | 2   | 3   | 3    | No issue |
| 109 | Mirzapur       | Ahaura           | 1   | 0.5 | 0.5  | No issue |
| 110 | Mirzapur       | Kachhwa          | 2   | 1   | 1    | No issue |
| 111 | Muzaffarnagar  | Muzaffarnagar    | 3   | 3   | 3    | No issue |
| 112 | Muzaffarnagar  | Khatauli         | 3   | 3   | 3    | No issue |
| 113 | Muzaffarnagar  | Bhokerheri       | 3   | 3   | 3    | No issue |
| 114 | Muzaffarnagar  | Budhana          | 3   | 3   | 3    | No issue |
| 115 | Muzaffarnagar  | Charthawal       | 3   | 3   | 3    | No issue |
| 116 | Muzaffarnagar  | Jansath          | 3   | 3   | 3    | No issue |
| 117 | Muzaffarnagar  | Meerapur         | 3   | 3   | 3    | No issue |
| 118 | Muzaffarnagar  | Purquazi         | 3   | 3   | 3    | No issue |
| 119 | Muzaffarnagar  | Shahpur          | 3   | 3   | 3    | No issue |
| 120 | Muzaffarnagar  | Sisauli          | 3   | 3   | 3    | No issue |
| 121 | Pilibhit       | Neoria Husainpur | 1   | 10  | 3.6  | No issue |
| 122 | Pratapgarh     | Pratapgarh       | 5   | 10  | 10   | No issue |
| 123 | Rae Bareli     | Rae Bareli       | 7   | 12  | 12   | No issue |
| 124 | Rae Bareli     | Bachhrawan       | 2   | 2   | 2    | No issue |
| 125 | Rae Bareli     | Dalmau           | 1   | 1   | 1    | No issue |
| 126 | Rae Bareli     | Lalganj          | 2   | 2   | 2    | No issue |
| 127 | Rae Bareli     | Maharajganj      | 1   | 1   | 1    | No issue |
| 128 | Rae Bareli     | Nasirabad        | 2   | 2   | 2    | No issue |
| 129 | Rae Bareli     | Parshadepur      | 1   | 1   | 1    | No issue |
| 130 | Rae Bareli     | Salon            | 2   | 2   | 2    | No issue |
| 131 | Rae Bareli     | Unchahar         | 1   | 1   | 1    | No issue |

|              |              |                            |            |                |                |          |
|--------------|--------------|----------------------------|------------|----------------|----------------|----------|
| 132          | Saharanpur   | Saharanpur                 | 20         | 35             | 35             | No issue |
| 133          | Saharanpur   | Deoband                    | 3          | 15             | 15             | No issue |
| 134          | Sambhal      | Chandausi                  | 10         | 3              | 3              | No issue |
| 135          | Sambhal      | Babralla                   | 6          | 2              | 2              | No issue |
| 136          | Sambhal      | Sirsi                      | 30         | 6              | 5.6            | No issue |
| 137          | Shahjahanpur | Powayan                    | 4          | 4              | 4              | No issue |
| 138          | Shahjahanpur | Allahganj                  | 2          | 2              | 2              | No issue |
| 139          | Shahjahanpur | Katra                      | 2          | 2              | 2              | No issue |
| 140          | Shahjahanpur | Khutar                     | 5          | 5              | 5              | No issue |
| 141          | Shahjahanpur | Banda                      | 1          | 1              | 1              | No issue |
| 142          | Shamli       | Shamli                     | 10         | 5              | 5              | No issue |
| 143          | Shravasti    | Ikauna                     | 6          | 1              | 0.5            | No issue |
| 144          | Sitapur      | Sitapur                    | 10         | 10             | 10             | No issue |
| 145          | Sitapur      | Mahmudabad                 | 5          | 5              | 5              | No issue |
| 146          | Sitapur      | Laharpur                   | 8          | 8              | 8              | No issue |
| 147          | Sitapur      | Biswan                     | 10         | 10             | 10             | No issue |
| 148          | Sitapur      | KHAIRABAD                  | 40         | 20             | 16             | No issue |
| 149          | Sitapur      | Mishritnaimishar<br>nya    | 2          | 2              | 2              | No issue |
| 150          | Sitapur      | Hargaon                    | 6          | 5              | 5              | No issue |
| 151          | Sitapur      | Maholi                     | 5          | 5              | 5              | No issue |
| 152          | Sitapur      | Paintepur                  | 4          | 4              | 4              | No issue |
| 153          | Sitapur      | Sidhauli                   | 8          | 8              | 8              | No issue |
| 154          | Sitapur      | Tambaur Cum<br>Ahmadabad   | 8          | 5              | 5              | No issue |
| 155          | Sonbhadra    | Robertsganj<br>(sonbhadra) | 2          | 5              | 5              | No issue |
| 156          | Sonbhadra    | Ghorawal                   | 1          | 2              | 2              | No issue |
| 157          | Sonbhadra    | Pipri                      | 2          | 4              | 4              | No issue |
| 158          | Sonbhadra    | Renukoot                   | 4          | 8              | 8              | No issue |
| 159          | Unnao        | Mohan                      | 2          | 1              | 1              | No issue |
| 160          | Unnao        | Nyotani                    | 2          | 1              | 1              | No issue |
| 161          | Varanasi     | Gangapur                   | 2          | 2              | 1.65           | No issue |
| <b>Total</b> |              |                            | <b>868</b> | <b>1456.58</b> | <b>1344.07</b> |          |

**Annexure-5.2**

| <b>Solid Waste Progress Report</b> |                                        |                                                          |                                      |                                             |                                   |
|------------------------------------|----------------------------------------|----------------------------------------------------------|--------------------------------------|---------------------------------------------|-----------------------------------|
| <b>Current Status</b>              |                                        |                                                          |                                      |                                             |                                   |
| <b>2 WTE Plants</b>                |                                        |                                                          |                                      |                                             |                                   |
| <b>S.no.</b>                       | <b>Name of the Unit</b>                | <b>Address</b>                                           | <b>Waste Disposal Capacity (TPD)</b> | <b>Status(Operational/N on-Operational)</b> | <b>Issues related to progress</b> |
| 1                                  | ROLLZ INDIA WASTE MANAGEMENT PVT LTD , | 293M, Village Deenanathpur Puthi, Dasna, Ghaziabad (WTE) | 73.97                                | Operational                                 |                                   |
| 2                                  | K. K. Duplex and Paper Mills           | Muzaffarnagar                                            | 120                                  | Operational                                 |                                   |
| <b>Total Capacity</b>              |                                        |                                                          | <b>193.97</b>                        |                                             |                                   |

| Water Quality of River Hindon in U P<br>Year-2023 |                                       |                                                  |           |           |               |                            |                            |                                          |           |           |               |                            |                            |                                   |           |           |               |                            |                            |
|---------------------------------------------------|---------------------------------------|--------------------------------------------------|-----------|-----------|---------------|----------------------------|----------------------------|------------------------------------------|-----------|-----------|---------------|----------------------------|----------------------------|-----------------------------------|-----------|-----------|---------------|----------------------------|----------------------------|
| S.No                                              | Month                                 | Sampling Point                                   |           |           |               |                            |                            |                                          |           |           |               |                            |                            |                                   |           |           |               |                            |                            |
|                                                   |                                       | Hindon river, Mohan Nagar Road Bridge, Ghaziabad |           |           |               |                            |                            | Hindon river, Chijarsi Bridge, Ghaziabad |           |           |               |                            |                            | Hindon, D/s Kulsera Bridge, Noida |           |           |               |                            |                            |
|                                                   |                                       | pH                                               | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                                       | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                                | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) |
| 1                                                 | January                               | 7.30                                             | 1.9       | 15.0      | 86.0          | 170000                     | 130000                     | 6.83                                     | 6.27      | 10.0      | 92.0          | 310000                     | 260000                     | 7.05                              | NIL       | 42.0      | 190.0         | 320000                     | 260000                     |
| 2                                                 | February                              | 7.30                                             | 1.3       | 16.0      | 88.0          | 380000                     | 260000                     | 7.27                                     | 4.66      | 12.0      | 96.0          | 470000                     | 330000                     | 7.50                              | NIL       | 48.0      | 196.0         | 400000                     | 270000                     |
| 3                                                 | March                                 | 7.10                                             | 1.4       | 20.0      | 68.0          | 310000                     | 210000                     | 7.25                                     | 4.00      | 16.0      | 76.0          | 410000                     | 340000                     | 6.80                              | NIL       | 28.0      | 132.0         | 390000                     | 330000                     |
| 4                                                 | April                                 | 7.50                                             | 3.3       | 16.0      | 32.0          | 340000                     | 220000                     | 7.60                                     | 4.10      | 15.0      | 70.0          | 460000                     | 330000                     | 6.40                              | NIL       | 38.0      | 140.0         | 410000                     | 270000                     |
| 5                                                 | May                                   | 6.50                                             | 2.2       | 15.0      | 36.0          | 310000                     | 210000                     | 7.50                                     | 4.30      | 12.0      | 46.0          | 340000                     | 170000                     | 6.95                              | NIL       | 40.0      | 150.0         | 470000                     | 340000                     |
| 6                                                 | June                                  | 7.20                                             | 2.4       | 15.0      | 40.0          | 330000                     | 220000                     | 7.50                                     | 2.10      | 18.0      | 45.0          | 340000                     | 270000                     | 7.13                              | NIL       | 45.0      | 158.0         | 430000                     | 310000                     |
| 7                                                 | July                                  |                                                  |           |           |               |                            |                            |                                          |           |           |               |                            |                            |                                   |           |           |               |                            |                            |
| 8                                                 | August                                |                                                  |           |           |               |                            |                            |                                          |           |           |               |                            |                            |                                   |           |           |               |                            |                            |
| 9                                                 | September                             |                                                  |           |           |               |                            |                            |                                          |           |           |               |                            |                            |                                   |           |           |               |                            |                            |
| 10                                                | October                               |                                                  |           |           |               |                            |                            |                                          |           |           |               |                            |                            |                                   |           |           |               |                            |                            |
| 11                                                | November                              |                                                  |           |           |               |                            |                            |                                          |           |           |               |                            |                            |                                   |           |           |               |                            |                            |
| 12                                                | December                              |                                                  |           |           |               |                            |                            |                                          |           |           |               |                            |                            |                                   |           |           |               |                            |                            |
| Average                                           |                                       | 7.15                                             | 2.1       | 16.2      | 58.3          | 306667                     | 208333                     | 7.33                                     | 4.24      | 13.8      | 70.8          | 388333                     | 283333                     | 6.97                              | NIL       | 40.2      | 161.0         | 403333                     | 296667                     |
| Category                                          |                                       | E                                                |           |           |               |                            |                            | D                                        |           |           |               |                            |                            | E                                 |           |           |               |                            |                            |
| Class of water                                    |                                       |                                                  |           |           |               |                            |                            |                                          |           | A         |               |                            | B                          | C                                 |           |           | D             | E                          | Below E                    |
| 1                                                 | Dissolved oxygen (mg/l), min          |                                                  |           |           |               |                            |                            |                                          |           | 6.0       |               |                            | 5.0                        | 4.0                               |           |           | 4.0           | -                          | -                          |
| 2                                                 | Biochemical oxygen demand (mg/l), max |                                                  |           |           |               |                            |                            |                                          |           | 2.0       |               |                            | 3.0                        | 3.0                               |           |           | -             | -                          | -                          |
| 3                                                 | Total Coliform (MPN/100ml), max       |                                                  |           |           |               |                            |                            |                                          |           | 50        |               |                            | 500                        | 5000                              |           |           | -             | -                          | -                          |

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.cpcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.cpcb.nic.in/Water_Quality_Criteria.php)Mey  
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| Water Quality of River Hindon in U P<br>Year-2023 |          |                                   |           |           |               |                               |                               |                                                         |           |           |               |                               |                               |                                    |           |           |               |                               |                               |                                     |           |           |               |                               |                               |
|---------------------------------------------------|----------|-----------------------------------|-----------|-----------|---------------|-------------------------------|-------------------------------|---------------------------------------------------------|-----------|-----------|---------------|-------------------------------|-------------------------------|------------------------------------|-----------|-----------|---------------|-------------------------------|-------------------------------|-------------------------------------|-----------|-----------|---------------|-------------------------------|-------------------------------|
| S.N<br>n                                          | Month    | Sampling Point                    |           |           |               |                               |                               |                                                         |           |           |               |                               |                               |                                    |           |           |               |                               |                               |                                     |           |           |               |                               |                               |
|                                                   |          | Hindon D/s Maheshpur<br>Saharnpur |           |           |               |                               |                               | Hindon, Sardhana -Budhana Road, Vill<br>Baparsi, Meerut |           |           |               |                               |                               | Hindon, Meerut Bagpat Road, Meerut |           |           |               |                               |                               | Hindon, karheda village , Ghaziabad |           |           |               |                               |                               |
|                                                   |          | pH                                | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | pH                                                      | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | pH                                 | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | pH                                  | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) |
| 1                                                 | January  | 7.50                              | Nil       | 46.0      | 192.0         | 32000                         | 25000                         | 7.60                                                    | Nil       | 60.0      | 364.0         | 150000                        | 110000                        | 7.40                               | 3.6       | 30.0      | 240.0         | 110000                        | 84000                         | 6.95                                | 2.56      | 12.0      | 72.0          | 210000                        | 170000                        |
| 2                                                 | February | 7.50                              | Nil       | 44.0      | 188.0         | 36000                         | 27000                         | 7.76                                                    | Nil       | 68.0      | 372.0         | 170000                        | 120000                        | 7.36                               | 3.8       | 24.0      | 128.0         | 130000                        | 100000                        | 6.17                                | 2.34      | 14.0      | 76.0          | 400000                        | 270000                        |
| 3                                                 | March    | 7.40                              | Nil       | 48.0      | 188.0         | 55000                         | 33000                         | 7.82                                                    | Nil       | 66.0      | 384.0         | 210000                        | 150000                        | 7.42                               | 3.0       | 28.0      | 136.0         | 140000                        | 110000                        | 7.20                                | 1.80      | 18.0      | 43.0          | 320000                        | 260000                        |
| 4                                                 | April    | 7.30                              | Nil       | 40.0      | 172.0         | 47000                         | 31000                         | 7.74                                                    | Nil       | 68.0      | 388.0         | 240000                        | 170000                        | 7.45                               | 2.8       | 34.0      | 144.0         | 140000                        | 100000                        | 7.40                                | 2.50      | 19.0      | 54.0          | 310000                        | 230000                        |
| 5                                                 | May      | 7.50                              | Nil       | 38.0      | 156.0         | 49000                         | 33000                         | 7.78                                                    | Nil       | 64.0      | 368.0         | 220000                        | 150000                        | 7.35                               | 3.6       | 30.0      | 140.0         | 150000                        | 110000                        | 7.10                                | 1.10      | 20.0      | 45.0          | 270000                        | 170000                        |
| 6                                                 | June     | 7.30                              | Nil       | 38.0      | 156.0         | 46000                         | 31000                         | 7.67                                                    | Nil       | 60.0      | 356.0         | 200000                        | 140000                        | 7.48                               | 3.0       | 28.0      | 136.0         | 110000                        | 80000                         | 7.40                                | 1.90      | 22.0      | 50.0          | 220000                        | 170000                        |
| 7                                                 | July     |                                   |           |           |               |                               |                               |                                                         |           |           |               |                               |                               |                                    |           |           |               |                               |                               |                                     |           |           |               |                               |                               |
| 8                                                 | August   |                                   |           |           |               |                               |                               |                                                         |           |           |               |                               |                               |                                    |           |           |               |                               |                               |                                     |           |           |               |                               |                               |
| 9                                                 | Septembe |                                   |           |           |               |                               |                               |                                                         |           |           |               |                               |                               |                                    |           |           |               |                               |                               |                                     |           |           |               |                               |                               |
| 10                                                | October  |                                   |           |           |               |                               |                               |                                                         |           |           |               |                               |                               |                                    |           |           |               |                               |                               |                                     |           |           |               |                               |                               |
| 11                                                | November |                                   |           |           |               |                               |                               |                                                         |           |           |               |                               |                               |                                    |           |           |               |                               |                               |                                     |           |           |               |                               |                               |
| 12                                                | December |                                   |           |           |               |                               |                               |                                                         |           |           |               |                               |                               |                                    |           |           |               |                               |                               |                                     |           |           |               |                               |                               |
|                                                   | Average  | 7.4                               | NIL       | 42.3      | 175.3         | 44167                         | 30000                         | 7.7                                                     | NIL       | 64.3      | 372.0         | 198333                        | 140000                        | 7.4                                | 3.3       | 29.0      | 154.0         | 130000                        | 97333                         | 7.04                                | 2.03      | 17.5      | 56.7          | 288333                        | 211667                        |
| Category                                          |          | E                                 |           |           |               |                               |                               | E                                                       |           |           |               |                               |                               | E                                  |           |           |               |                               |                               | E                                   |           |           |               |                               |                               |

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

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epch.nir.in/Water\\_Quality\\_Criteria.php](http://www.epch.nir.in/Water_Quality_Criteria.php)

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**Water Quality of River Kali (East) in U.P  
Year - 2023**

| S.No           | Month                                 | D/s M/s New Bananza, paper mills vill. ,<br>Saini- Mawana Road, Meerut |           |           |            |                            |                            | Garh Road, Meerut |           |           |            |                            |                            | Kharkhoda-Prikshit Garh Road, Meerut |           |           |            |                            |                            | Babugarh, Gaziabad |           |           |            |                            |                            |
|----------------|---------------------------------------|------------------------------------------------------------------------|-----------|-----------|------------|----------------------------|----------------------------|-------------------|-----------|-----------|------------|----------------------------|----------------------------|--------------------------------------|-----------|-----------|------------|----------------------------|----------------------------|--------------------|-----------|-----------|------------|----------------------------|----------------------------|
|                |                                       | Parameter                                                              |           |           |            |                            |                            | Parameter         |           |           |            |                            |                            | Parameter                            |           |           |            |                            |                            | Parameter          |           |           |            |                            |                            |
|                |                                       | PH                                                                     | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | PH                | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | PH                                   | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | PH                 | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) |
| 1              | January                               | 7.60                                                                   | Nil       | 55.0      | 272.0      | 130000                     | 94000                      | 7.50              | Nil       | 57.0      | 280.0      | 160000                     | 120000                     | 7.70                                 | Nil       | 56.0      | 268.0      | 150000                     | 110000                     | 7.60               | Nil       | 24.0      | 90.0       | 3900000                    | 2200000                    |
| 2              | February                              | 7.65                                                                   | Nil       | 50.0      | 252.0      | 120000                     | 84000                      | 7.61              | Nil       | 56.0      | 268.0      | 150000                     | 100000                     | 7.65                                 | Nil       | 52.0      | 264.0      | 160000                     | 120000                     | 7.60               | Nil       | 36.0      | 92.0       | 3400000                    | 2700000                    |
| 3              | March                                 | 7.72                                                                   | Nil       | 42.0      | 284.0      | 130000                     | 110000                     | 7.67              | Nil       | 52.0      | 296.0      | 150000                     | 110000                     | 7.52                                 | Nil       | 54.0      | 268.0      | 170000                     | 130000                     | 7.60               | Nil       | 24.0      | 90.0       | 3900000                    | 2200000                    |
| 4              | April                                 | 7.80                                                                   | Nil       | 52.0      | 260.0      | 130000                     | 94000                      | 7.62              | Nil       | 56.0      | 276.0      | 150000                     | 100000                     | 7.48                                 | Nil       | 50.0      | 260.0      | 170000                     | 120000                     | 7.60               | Nil       | 43.0      | 94.0       | 4700000                    | 2700000                    |
| 5              | May                                   | 7.63                                                                   | Nil       | 50.0      | 284.0      | 160000                     | 120000                     | 7.65              | Nil       | 58.0      | 296.0      | 160000                     | 100000                     | 7.53                                 | Nil       | 54.0      | 268.0      | 150000                     | 110000                     | 7.70               | Nil       | 42.0      | 96.0       | 4100000                    | 3400000                    |
| 6              | June                                  | 7.56                                                                   | Nil       | 54.0      | 276.0      | 170000                     | 120000                     | 7.61              | Nil       | 56.0      | 284.0      | 150000                     | 130000                     | 7.62                                 | Nil       | 52.0      | 276.0      | 140000                     | 94000                      | 7.60               | Nil       | 52.0      | 98.0       | 4100000                    | 3400000                    |
| 7              | July                                  |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            |                                      |           |           |            |                            |                            |                    |           |           |            |                            |                            |
| 8              | August                                |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            |                                      |           |           |            |                            |                            |                    |           |           |            |                            |                            |
| 9              | Septembe                              |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            |                                      |           |           |            |                            |                            |                    |           |           |            |                            |                            |
| 10             | October                               |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            |                                      |           |           |            |                            |                            |                    |           |           |            |                            |                            |
| 11             | Novembe                               |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            |                                      |           |           |            |                            |                            |                    |           |           |            |                            |                            |
| 12             | December                              |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            |                                      |           |           |            |                            |                            |                    |           |           |            |                            |                            |
| Average        |                                       | 7.66                                                                   | NIL       | 50.5      | 271.3      | 140000                     | 103667                     | 7.61              | NIL       | 55.8      | 283.3      | 153333                     | 110000                     | 7.58                                 | NIL       | 53.0      | 267.3      | 156667                     | 114000                     | 7.62               | NIL       | 36.8      | 93.3       | 4016667                    | 2766667                    |
| Category       |                                       | E                                                                      |           |           |            |                            |                            | E                 |           |           |            |                            |                            | E                                    |           |           |            |                            |                            | E                  |           |           |            |                            |                            |
| Class of water |                                       |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            | A                                    | B         | C         | D          | E                          | Below E                    |                    |           |           |            |                            |                            |
| 1              | Dissolved oxygen (mg/l), min          |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            | 6.0                                  | 5.0       | 4.0       | 4.0        | -                          | -                          |                    |           |           |            |                            |                            |
| 2              | Biochemical oxygen demand (mg/l), max |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            | 2.0                                  | 3.0       | 3.0       | -          | -                          | -                          |                    |           |           |            |                            |                            |
| 3              | Total Coliform (MPN/100ml), max       |                                                                        |           |           |            |                            |                            |                   |           |           |            |                            |                            | 50                                   | 500       | 5000      | -          | -                          | -                          |                    |           |           |            |                            |                            |

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.cpcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

**Water Quality of River Kali (East) in U.P.  
Year - 2023**

| S. No          | Month                                 | U/s Devipura, Bulandshahar |           |           |            |                            |                            | D/s Mohan Kuteer Bulandshahar |           |           |            |                            |                            | U/s Kali river before wave distillery Ramghat road, Atrauli, Aligarh |           |           |            |                            |                            | D/s Kali River after wave distillery Ramghat road, Atrauli, Aligarh |           |           |            |                            |                            | Nadrai Gate, Kasganj |           |           |            |                            |                            | U/s Kannauj |           |           |            |                            |                            |
|----------------|---------------------------------------|----------------------------|-----------|-----------|------------|----------------------------|----------------------------|-------------------------------|-----------|-----------|------------|----------------------------|----------------------------|----------------------------------------------------------------------|-----------|-----------|------------|----------------------------|----------------------------|---------------------------------------------------------------------|-----------|-----------|------------|----------------------------|----------------------------|----------------------|-----------|-----------|------------|----------------------------|----------------------------|-------------|-----------|-----------|------------|----------------------------|----------------------------|
|                |                                       | Parameter                  |           |           |            |                            |                            | Parameter                     |           |           |            |                            |                            | Parameter                                                            |           |           |            |                            |                            | Parameter                                                           |           |           |            |                            |                            | Parameter            |           |           |            |                            |                            | Parameter   |           |           |            |                            |                            |
|                |                                       | PH                         | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | PH                            | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | PH                                                                   | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | PH                                                                  | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | PH                   | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | PH          | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) |
| 1              | January                               | 7.68                       | Nil       | 52.0      | 144.0      | 4000000                    | 3200000                    | 7.69                          | Nil       | 58.0      | 160.0      | 4100000                    | 2700000                    | 7.10                                                                 | 2.6       | 80.0      | 130.0      | -                          | -                          | 7.20                                                                | 2.8       | 78.0      | 124.0      | -                          | -                          | 7.40                 | 7.4       | 48.0      | 86.0       | -                          | -                          | 8.00        | 8.7       | 5.4       | 21.0       | -                          | -                          |
| 2              | February                              | 7.71                       | Nil       | 44.0      | 136.0      | 4300000                    | 3400000                    | 7.67                          | Nil       | 38.0      | 128.0      | 3900000                    | 2700000                    | 7.30                                                                 | 2.0       | 90.0      | 134.0      | -                          | -                          | 7.40                                                                | 2.4       | 88.0      | 126.0      | -                          | -                          | 7.40                 | 7.0       | 36.0      | 80.0       | -                          | -                          | 7.90        | 8.3       | 4.8       | 21.6       | -                          | -                          |
| 3              | March                                 | 7.81                       | Nil       | 52.0      | 160.0      | 3200000                    | 2200000                    | 7.69                          | Nil       | 46.0      | 144.0      | 4300000                    | 3100000                    | 7.30                                                                 | 2.0       | 90.0      | 136.0      | -                          | -                          | 7.42                                                                | 2.2       | 88.0      | 130.0      | -                          | -                          | 7.30                 | 7.6       | 46.0      | 90.0       | -                          | -                          | 7.70        | 7.8       | 5.0       | 22.6       | -                          | -                          |
| 4              | April                                 | 7.72                       | Nil       | 52.0      | 168.0      | 4100000                    | 2700000                    | 7.66                          | Nil       | 46.0      | 144.0      | 3200000                    | 2200000                    | 7.30                                                                 | 1.4       | 116.0     | 224.0      | -                          | -                          | 7.40                                                                | 1.6       | 112.0     | 220.0      | -                          | -                          | 7.10                 | 7.4       | 68.0      | 116.0      | -                          | -                          | 7.44        | 7.7       | 5.4       | 21.2       | 9400                       | 6300                       |
| 5              | May                                   | 7.82                       | Nil       | 62.0      | 152.0      | 4300000                    | 3100000                    | 7.76                          | Nil       | 58.0      | 136.0      | 4100000                    | 3400000                    | 7.00                                                                 | 2.6       | 108.0     | 206.0      | -                          | -                          | 7.10                                                                | 2.8       | 104.0     | 200.0      | -                          | -                          | 7.30                 | 7.4       | 54.0      | 112.0      | -                          | -                          | 8.19        | 7.9       | 5.2       | 21.2       | 12000                      | 7000                       |
| 6              | June                                  | 7.66                       | Nil       | 66.0      | 168.0      | 4600000                    | 3300000                    | 7.61                          | Nil       | 62.0      | 152.0      | 4800000                    | 2700000                    | 7.20                                                                 | 1.6       | 96.0      | 210.0      | -                          | -                          | 7.40                                                                | 1.8       | 94.0      | 206.0      | -                          | -                          | 7.10                 | 7.4       | 60.0      | 124.0      | -                          | -                          | 7.80        | 7.2       | 5.6       | 16.4       | 9400                       | 6300                       |
| 7              | July                                  |                            |           |           |            |                            |                            |                               |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
| 8              | August                                |                            |           |           |            |                            |                            |                               |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
| 9              | September                             |                            |           |           |            |                            |                            |                               |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
| 10             | October                               |                            |           |           |            |                            |                            |                               |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
| 11             | November                              |                            |           |           |            |                            |                            |                               |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
| 12             | December                              |                            |           |           |            |                            |                            |                               |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
|                | Average                               | 7.73                       | Nil       | 54.7      | 154.7      | 4083333                    | 2983333                    | 7.68                          | Nil       | 51.3      | 144.0      | 4066667                    | 2800000                    | 7.26                                                                 | 2.0       | 96.7      | 173.3      | -                          | -                          | 7.32                                                                | 2.3       | 94.0      | 167.7      | -                          | -                          | 7.27                 | 7.4       | 52.0      | 101.3      | -                          | -                          | 7.8         | 7.9       | 5.2       | 20.7       | 10267                      | 6533                       |
|                | Category                              | E                          |           |           |            |                            |                            | E                             |           |           |            |                            |                            | E                                                                    |           |           |            |                            |                            | E                                                                   |           |           |            |                            |                            | D                    |           |           |            |                            |                            | D           |           |           |            |                            |                            |
| Class of water |                                       | A                          |           | B         |            | C                          |                            | D                             |           | E         |            | Below E                    |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
| 1              | Dissolved oxygen (mg/l), min          | 6.0                        |           | 5.0       |            | 4.0                        |                            | 4.0                           |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
| 2              | Biochemical oxygen demand (mg/l), max | 2.0                        |           | 3.0       |            | 3.0                        |                            |                               |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |
| 3              | Total Coliform (MPN/100ml), max       | 50                         |           | 500       |            | 5000                       |                            |                               |           |           |            |                            |                            |                                                                      |           |           |            |                            |                            |                                                                     |           |           |            |                            |                            |                      |           |           |            |                            |                            |             |           |           |            |                            |                            |

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (orgunived)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.cpcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

Remarks: Ro Kanpur. (U/s Kannauj) BOD Incubator is Not Operational

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**Water Quality of River Yamuna In UP  
Year 2013**

| S. N. | Month     | Sampling Point           |           |            |               |                            |                            |                                     |           |            |               |                            |                            |               |           |            |               |                            |                            |                     |           |            |               |                            |                            |                           |           |            |               |                            |                            |             |           |            |               |                            |                            |                  |     |      |      |        |       |
|-------|-----------|--------------------------|-----------|------------|---------------|----------------------------|----------------------------|-------------------------------------|-----------|------------|---------------|----------------------------|----------------------------|---------------|-----------|------------|---------------|----------------------------|----------------------------|---------------------|-----------|------------|---------------|----------------------------|----------------------------|---------------------------|-----------|------------|---------------|----------------------------|----------------------------|-------------|-----------|------------|---------------|----------------------------|----------------------------|------------------|-----|------|------|--------|-------|
|       |           | 1                        |           |            |               |                            |                            | 2                                   |           |            |               |                            |                            | 3             |           |            |               |                            |                            | 4                   |           |            |               |                            |                            | 5                         |           |            |               |                            |                            | 6           |           |            |               |                            |                            | 7                |     |      |      |        |       |
|       |           | U/S Okhla Barrage, Noida |           |            |               |                            |                            | D/S Village Gharbara/Tilwara, Noida |           |            |               |                            |                            | U/s Vrindavan |           |            |               |                            |                            | Kesi Chat Vrindavan |           |            |               |                            |                            | D/s Vrindavan (Kesi Ghat) |           |            |               |                            |                            | U/s Mathura |           |            |               |                            |                            | Shahpur, Mathura |     |      |      |        |       |
|       |           | pH                       | DO (mg/l) | BOD (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                                  | DO (mg/l) | BOD (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH            | DO (mg/l) | BOD (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                  | DO (mg/l) | BOD (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                        | DO (mg/l) | BOD (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH          | DO (mg/l) | BOD (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) |                  |     |      |      |        |       |
| 1     | January   | 7.68                     | 4.3       | 26.0       | 137.6         | -                          | -                          | 7.72                                | 1.2       | 31.0       | 144.0         | -                          | -                          | 8.2           | 4.8       | 10.0       | 40.0          | 79000                      | 27000                      | 7.9                 | 4.2       | 11.2       | 48.0          | 94000                      | 31000                      | 7.9                       | 4.2       | 11.2       | 48.0          | 94000                      | 31000                      | 7.7         | 5.2       | 11.2       | 44.0          | 84000                      | 31000                      | 7.8              | 4.2 | 15.6 | 52.0 | 110000 | 46000 |
| 2     | February  | 7.58                     | 4.6       | 18.0       | 112.0         | -                          | -                          | 7.86                                | 1.1       | 24.0       | 128.0         | -                          | -                          | 7.7           | 6.2       | 9.4        | 32.0          | 63000                      | 23000                      | 7.6                 | 5.6       | 10.4       | 44.0          | 79000                      | 27000                      | 7.6                       | 5.6       | 10.4       | 44.0          | 79000                      | 27000                      | 7.9         | 5.8       | 9.8        | 36.0          | 70000                      | 26000                      | 7.6              | 5.4 | 13.6 | 48.0 | 94000  | 43000 |
| 3     | March     | 6.84                     | 0.0       | 46.0       | 192.0         | -                          | -                          | 7.01                                | 0.0       | 18.0       | 224.0         | -                          | -                          | 8.1           | 5.4       | 10.8       | 40.0          | 70000                      | 26000                      | 7.8                 | 4.8       | 11.6       | 52.0          | 84000                      | 33000                      | 7.8                       | 4.8       | 11.6       | 52.0          | 84000                      | 33000                      | 7.8         | 4.6       | 11.4       | 44.0          | 79000                      | 27000                      | 7.9              | 4.8 | 14.6 | 56.0 | 110000 | 49000 |
| 4     | April     | 6.87                     | 2.8       | 18.0       | 232.0         | -                          | -                          | 6.94                                | 1.2       | 32.0       | 256.0         | -                          | -                          | 8.0           | 6.0       | 9.0        | 24.0          | 79000                      | 27000                      | 8.0                 | 5.2       | 10.8       | 48.0          | 79000                      | 27000                      | 7.9                       | 5.6       | 10.2       | 44.0          | 63000                      | 26000                      | 7.6         | 6.0       | 10.2       | 40.0          | 70000                      | 23000                      | 7.7              | 5.0 | 13.8 | 48.0 | 94000  | 46000 |
| 5     | May       | 8.16                     | 4.3       | 17.0       | 144.0         | -                          | -                          | 7.84                                | 1.2       | 22.0       | 168.0         | -                          | -                          | 8.2           | 5.6       | 10.2       | 32.0          | 70000                      | 23000                      | 7.7                 | 4.4       | 11.6       | 52.0          | 79000                      | 27000                      | 8.1                       | 5.2       | 10.6       | 48.0          | 84000                      | 31000                      | 7.9         | 5.0       | 12.2       | 52.0          | 94000                      | 33000                      | 8.0              | 5.8 | 13.2 | 40.0 | 84000  | 43000 |
| 6     | June      | 6.90                     | 3.4       | 20.0       | 152.0         | -                          | -                          | 7.21                                | 1.1       | 16.0       | 144.0         | -                          | -                          | *             | *         | *          | *             | *                          | *                          | 8.2                 | 4.8       | 11.2       | 52.0          | 94000                      | 32000                      | *                         | *         | *          | *             | *                          | *                          | 8.2         | 5.8       | 10.4       | 36.0          | 70000                      | 23000                      | 8.1              | 5.0 | 14.2 | 52.0 | 110000 | 49000 |
| 7     | July      |                          |           |            |               |                            |                            |                                     |           |            |               |                            |                            |               |           |            |               |                            |                            |                     |           |            |               |                            |                            |                           |           |            |               |                            |                            |             |           |            |               |                            |                            |                  |     |      |      |        |       |
| 8     | August    |                          |           |            |               |                            |                            |                                     |           |            |               |                            |                            |               |           |            |               |                            |                            |                     |           |            |               |                            |                            |                           |           |            |               |                            |                            |             |           |            |               |                            |                            |                  |     |      |      |        |       |
| 9     | September |                          |           |            |               |                            |                            |                                     |           |            |               |                            |                            |               |           |            |               |                            |                            |                     |           |            |               |                            |                            |                           |           |            |               |                            |                            |             |           |            |               |                            |                            |                  |     |      |      |        |       |
| 10    | October   |                          |           |            |               |                            |                            |                                     |           |            |               |                            |                            |               |           |            |               |                            |                            |                     |           |            |               |                            |                            |                           |           |            |               |                            |                            |             |           |            |               |                            |                            |                  |     |      |      |        |       |
| 11    | November  |                          |           |            |               |                            |                            |                                     |           |            |               |                            |                            |               |           |            |               |                            |                            |                     |           |            |               |                            |                            |                           |           |            |               |                            |                            |             |           |            |               |                            |                            |                  |     |      |      |        |       |
| 12    | December  |                          |           |            |               |                            |                            |                                     |           |            |               |                            |                            |               |           |            |               |                            |                            |                     |           |            |               |                            |                            |                           |           |            |               |                            |                            |             |           |            |               |                            |                            |                  |     |      |      |        |       |
|       | Average   | 7.34                     | 3.2       | 24.2       | 161.6         | -                          | -                          | 7.43                                | 1.0       | 23.8       | 177.3         | -                          | -                          | 8.0           | 5.6       | 9.9        | 33.6          | 72200                      | 25200                      | 7.9                 | 4.8       | 11.1       | 49.3          | 84833                      | 29500                      | 7.9                       | 5.1       | 10.8       | 47.2          | 80800                      | 29600                      | 7.9         | 5.4       | 10.9       | 42.0          | 77833                      | 27167                      | 7.9              | 5.0 | 14.2 | 49.3 | 100333 | 46000 |
|       | Category  | E                        |           |            |               |                            |                            | E                                   |           |            |               |                            |                            | D             |           |            |               |                            |                            | D                   |           |            |               |                            |                            | D                         |           |            |               |                            |                            | D           |           |            |               |                            |                            | D                |     |      |      |        |       |

Note: \* Sampling not done.

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

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epch.nic.in/Water\\_Quality\\_Criteria.php](http://www.epch.nic.in/Water_Quality_Criteria.php)

*Pragya JRF*

*(A.S.I.)*

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**Water Quality of River Yamuna In UP  
Year 2023**

| S.N.           | Month                                 | Sampling Point        |           |           |               |                            |                            |             |           |           |               |                            |                            |                       |           |           |               |                            |                            |                      |           |           |               |                            |                            |
|----------------|---------------------------------------|-----------------------|-----------|-----------|---------------|----------------------------|----------------------------|-------------|-----------|-----------|---------------|----------------------------|----------------------------|-----------------------|-----------|-----------|---------------|----------------------------|----------------------------|----------------------|-----------|-----------|---------------|----------------------------|----------------------------|
|                |                                       | 8                     |           |           |               |                            |                            | 9           |           |           |               |                            |                            | 10                    |           |           |               |                            |                            | 11                   |           |           |               |                            |                            |
|                |                                       | Vishram Ghat, Mathura |           |           |               |                            |                            | D/s Mathura |           |           |               |                            |                            | U/s Kailashghat, Agra |           |           |               |                            |                            | U/s Waterworks, Agra |           |           |               |                            |                            |
|                |                                       | pH                    | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH          | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                    | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                   | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) |
| 1              | January                               | 8.2                   | 4.8       | 13.2      | 52.0          | 110000                     | 33000                      | 7.8         | 4.4       | 14.0      | 56.0          | 120000                     | 38000                      | 7.8                   | 7.4       | 8.4       | 16.0          | 9300                       | 6800                       | 7.6                  | 7.2       | 8.6       | 20.0          | 15000                      | 9300                       |
| 2              | February                              | 7.8                   | 5.6       | 10.8      | 40.0          | 94000                      | 31000                      | 8.0         | 5.2       | 11.6      | 48.0          | 110000                     | 33000                      | 7.6                   | 7.2       | 8.4       | 16.0          | 9300                       | 6800                       | 7.5                  | 6.8       | 8.8       | 20.0          | 11000                      | 7000                       |
| 3              | March                                 | 8.1                   | 4.2       | 12.6      | 48.0          | 110000                     | 22000                      | 8.2         | 4.0       | 13.8      | 52.0          | 130000                     | 34000                      | 7.6                   | 7.4       | 9.2       | 16.0          | 9300                       | 6800                       | 7.5                  | 7.2       | 9.6       | 16.0          | 11000                      | 7000                       |
| 4              | April                                 | 7.9                   | 5.8       | 11.4      | 44.0          | 94000                      | 21000                      | 7.9         | 5.6       | 12.4      | 48.0          | 120000                     | 32000                      | 7.7                   | 7.5       | 9.6       | 16.0          | 11000                      | 7000                       | 7.5                  | 7.3       | 10.0      | 20.0          | 15000                      | 9300                       |
| 5              | May                                   | 7.8                   | 4.8       | 12.8      | 56.0          | 120000                     | 26000                      | 8.0         | 4.6       | 13.4      | 60.0          | 150000                     | 38000                      | 7.7                   | 8.0       | 14.4      | 20.0          | 9300                       | 6800                       | 7.6                  | 7.7       | 15.2      | 24.0          | 11000                      | 7000                       |
| 6              | June                                  | 8.1                   | 5.4       | 11.6      | 40.0          | 64000                      | 26000                      | 8.1         | 4.6       | 13.2      | 56.0          | 130000                     | 34000                      | 7.80                  | 7.9       | 14.4      | 20.0          | 11000                      | 7000                       | 7.50                 | 7.7       | 15.2      | 24.0          | 25000                      | 17000                      |
| 7              | July                                  |                       |           |           |               |                            |                            |             |           |           |               |                            |                            |                       |           |           |               |                            |                            |                      |           |           |               |                            |                            |
| 8              | August                                |                       |           |           |               |                            |                            |             |           |           |               |                            |                            |                       |           |           |               |                            |                            |                      |           |           |               |                            |                            |
| 9              | September                             |                       |           |           |               |                            |                            |             |           |           |               |                            |                            |                       |           |           |               |                            |                            |                      |           |           |               |                            |                            |
| 10             | October                               |                       |           |           |               |                            |                            |             |           |           |               |                            |                            |                       |           |           |               |                            |                            |                      |           |           |               |                            |                            |
| 11             | November                              |                       |           |           |               |                            |                            |             |           |           |               |                            |                            |                       |           |           |               |                            |                            |                      |           |           |               |                            |                            |
| 12             | December                              |                       |           |           |               |                            |                            |             |           |           |               |                            |                            |                       |           |           |               |                            |                            |                      |           |           |               |                            |                            |
| Average        |                                       | 8.0                   | 5.1       | 12.1      | 46.7          | 98667                      | 26500                      | 8.0         | 4.7       | 13.1      | 53.3          | 126667                     | 34833                      | 7.70                  | 7.6       | 10.7      | 17.3          | 9867                       | 6867                       | 7.53                 | 7.3       | 11.2      | 20.7          | 14667                      | 9433                       |
| Category       |                                       | D                     |           |           |               |                            |                            | D           |           |           |               |                            |                            | D                     |           |           |               |                            |                            | D                    |           |           |               |                            |                            |
| Class of water |                                       |                       |           |           |               |                            |                            |             |           |           |               |                            |                            |                       |           |           |               |                            |                            |                      |           |           |               |                            |                            |
| 1              | Dissolved oxygen (mg/l), min          |                       |           |           |               |                            |                            | A           |           |           |               |                            |                            | B                     |           |           |               |                            |                            | C                    |           |           |               |                            |                            |
| 2              | Biochemical oxygen demand (mg/l), max |                       |           |           |               |                            |                            | 6.0         |           |           |               |                            |                            | 5.0                   |           |           |               |                            |                            | 4.0                  |           |           |               |                            |                            |
| 3              | Total Coliform (MPN/100ml), max       |                       |           |           |               |                            |                            | 2.0         |           |           |               |                            |                            | 3.0                   |           |           |               |                            |                            | 500                  |           |           |               |                            |                            |

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.cpcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

*Phy*  
JCH

*(A.S.C.)*

*(A.S.C.)*

### Water Quality of River Yamuna In UP Year 2023

| S.N.           | Month                                 | Sampling Point |           |           |               |                            |                            |            |           |           |               |                            |                            |                             |           |           |               |                            |                            |                          |           |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
|----------------|---------------------------------------|----------------|-----------|-----------|---------------|----------------------------|----------------------------|------------|-----------|-----------|---------------|----------------------------|----------------------------|-----------------------------|-----------|-----------|---------------|----------------------------|----------------------------|--------------------------|-----------|-----------|---------------|----------------------------|----------------------------|-------------------------------|-----------|-----------|---------------|----------------------------|----------------------------|----------------------------------|-----------|-----------|---------------|----------------------------|----------------------------|
|                |                                       | 15             |           |           |               |                            |                            | 16         |           |           |               |                            |                            | 17                          |           |           |               |                            |                            | 18                       |           |           |               |                            |                            | 19                            |           |           |               |                            |                            | 20                               |           |           |               |                            |                            |
|                |                                       | U/s Etawah     |           |           |               |                            |                            | D/s Etawah |           |           |               |                            |                            | U/s Water Intake, Allahabad |           |           |               |                            |                            | D/s Balua Ghat Prayagraj |           |           |               |                            |                            | D/s Chhachhar nata, Prayagraj |           |           |               |                            |                            | D/s Emergency Outfall, Prayagraj |           |           |               |                            |                            |
|                |                                       | pH             | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH         | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                          | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                       | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                            | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                               | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) |
| 1              | January                               | 7.6            | 6.1       | 14.4      | 44.0          | 54000                      | 21000                      | 7.5        | 5.7       | 16.8      | 56.0          | 160000                     | 35000                      | 7.85                        | 8.9       | 2.4       | 8.0           | 1300                       | 450                        | 8.19                     | 8.4       | 2.6       | 8.0           | 1500                       | 610                        | 8.24                          | 8.6       | 2.7       | 12.0          | 1700                       | 680                        | 8.16                             | 8.7       | 2.7       | 10.0          | 1400                       | 450                        |
| 2              | February                              | 7.6            | 4.9       | 13.6      | 40.0          | 92000                      | 24000                      | 7.7        | 5.1       | 16.4      | 52.0          | 160000                     | 35000                      | 8.11                        | 8.5       | 2.5       | 8.0           | 1200                       | 400                        | 8.28                     | 8.3       | 2.5       | 10.0          | 1400                       | 400                        | 8.25                          | 8.2       | 2.6       | 10.0          | 1500                       | 610                        | 8.23                             | 8.1       | 2.6       | 10.0          | 1400                       | 610                        |
| 3              | March                                 | 7.5            | 6.1       | 18.4      | 48.0          | 94000                      | 33000                      | 7.6        | 5.8       | 21.2      | 60.0          | 140000                     | 40000                      | 8.18                        | 8.4       | 2.4       | 6.0           | 1300                       | 450                        | 8.33                     | 8.1       | 2.6       | 8.0           | 1500                       | 610                        | 8.29                          | 8.0       | 2.6       | 10.0          | 1700                       | 680                        | 8.26                             | 8.0       | 2.5       | 10.0          | 1400                       | 450                        |
| 4              | April                                 | 7.6            | 5.9       | 18.8      | 48.0          | 94000                      | 40000                      | 7.7        | 5.7       | 22.0      | 56.0          | 120000                     | 46000                      | 7.86                        | 8.2       | 2.3       | 8.0           | 1400                       | 400                        | 8.16                     | 8.0       | 2.6       | 10.0          | 1700                       | 680                        | 8.21                          | 7.9       | 2.7       | 8.0           | 1700                       | 610                        | 8.17                             | 8.1       | 2.6       | 8.0           | 1500                       | 560                        |
| 5              | May                                   | 7.7            | 5.8       | 16.0      | 44.0          | 70000                      | 34000                      | 7.9        | 5.5       | 18.4      | 56.0          | 110000                     | 41000                      | 7.91                        | 8.0       | 2.4       | 6.0           | 1200                       | 400                        | 8.12                     | 7.8       | 2.7       | 8.0           | 1500                       | 610                        | 8.25                          | 7.7       | 2.6       | 8.0           | 1700                       | 680                        | 8.20                             | 7.8       | 2.5       | 8.0           | 1400                       | 450                        |
| 6              | June                                  | 7.8            | 6.0       | 17.6      | 44.0          | 84000                      | 34000                      | 7.7        | 5.7       | 21.6      | 56.0          | 110000                     | 43000                      | 8.06                        | 8.1       | 2.3       | 8.0           | 1300                       | 450                        | 8.30                     | 7.6       | 2.6       | 10.0          | 1700                       | 680                        | 8.26                          | 7.6       | 2.7       | 10.0          | 1700                       | 610                        | 8.21                             | 7.5       | 2.6       | 10.0          | 1500                       | 610                        |
| 7              | July                                  |                |           |           |               |                            |                            |            |           |           |               |                            |                            |                             |           |           |               |                            |                            |                          |           |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| 8              | August                                |                |           |           |               |                            |                            |            |           |           |               |                            |                            |                             |           |           |               |                            |                            |                          |           |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| 9              | September                             |                |           |           |               |                            |                            |            |           |           |               |                            |                            |                             |           |           |               |                            |                            |                          |           |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| 10             | October                               |                |           |           |               |                            |                            |            |           |           |               |                            |                            |                             |           |           |               |                            |                            |                          |           |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| 11             | November                              |                |           |           |               |                            |                            |            |           |           |               |                            |                            |                             |           |           |               |                            |                            |                          |           |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| 12             | December                              |                |           |           |               |                            |                            |            |           |           |               |                            |                            |                             |           |           |               |                            |                            |                          |           |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| Average        |                                       | 7.6            | 5.8       | 16.5      | 44.7          | 81333                      | 31000                      | 7.7        | 5.6       | 19.4      | 56.0          | 133333                     | 40000                      | 8.00                        | 8.4       | 2.4       | 7.3           | 1283                       | 425                        | 8.23                     | 8.0       | 2.6       | 9.0           | 1550                       | 598                        | 8.25                          | 8.0       | 2.7       | 9.7           | 1667                       | 645                        | 8.21                             | 8.0       | 2.6       | 9.3           | 1433                       | 522                        |
| Category       |                                       | D              |           |           |               |                            |                            | D          |           |           |               |                            |                            | C                           |           |           |               |                            |                            | C                        |           |           |               |                            |                            | C                             |           |           |               |                            |                            | C                                |           |           |               |                            |                            |
| Class of water |                                       |                |           |           |               |                            |                            |            |           | A         |               | B                          |                            | C                           |           | D         |               | E                          |                            | Below E                  |           |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| 1              | Dissolved oxygen (mg/l), min          |                |           |           |               |                            |                            |            |           |           | 6.0           |                            | 5.0                        |                             | 4.0       |           | 4.0           |                            | —                          |                          | —         |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| 2              | Biochemical oxygen demand (mg/l), max |                |           |           |               |                            |                            |            |           |           | 2.0           |                            | 3.0                        |                             | 3.0       |           | —             |                            | —                          |                          | —         |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |
| 3              | Total Coliform (MPN/100ml), max       |                |           |           |               |                            |                            |            |           |           | 50            |                            | 500                        |                             | 5000      |           | —             |                            | —                          |                          | —         |           |               |                            |                            |                               |           |           |               |                            |                            |                                  |           |           |               |                            |                            |

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.cpcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

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### Water Quality Of River Varuna in UP Year 2023

| SN       | Month     | SAMPLING POINT         |           |            |               |                            |                             |                                   |           |            |               |                            |                             |
|----------|-----------|------------------------|-----------|------------|---------------|----------------------------|-----------------------------|-----------------------------------|-----------|------------|---------------|----------------------------|-----------------------------|
|          |           | At Rameshwar, varanasi |           |            |               |                            |                             | Varuna Before Meeting River Ganga |           |            |               |                            |                             |
|          |           | pH                     | DO (mg/L) | BOD (mg/L) | C.O.D. (mg/l) | Total coliform (MPN/100mL) | Faecal coliform (MPN/100mL) | pH                                | DO (mg/L) | BOD (mg/L) | C.O.D. (mg/l) | Total coliform (MPN/100mL) | Faecal coliform (MPN/100mL) |
| 1        | January   | 8.41                   | 8.20      | 3.10       | 10.80         | 2300                       | 1300                        | 7.46                              | 3.80      | 11.20      | 36.20         | 32000                      | 17000                       |
| 2        | February  | 8.33                   | 7.80      | 3.30       | 11.60         | 2600                       | 1400                        | 7.41                              | 4.80      | 9.80       | 33.60         | 31000                      | 21000                       |
| 3        | March     | 8.31                   | 7.60      | 3.40       | 12.40         | 2700                       | 1700                        | 7.30                              | 3.00      | 12.20      | 37.80         | 33000                      | 22000                       |
| 4        | April     | 8.35                   | 7.70      | 3.30       | 11.60         | 3100                       | 2100                        | 7.37                              | 3.40      | 10.80      | 35.60         | 31000                      | 21000                       |
| 5        | May       | 8.40                   | 7.30      | 3.50       | 12.80         | 3300                       | 2300                        | 7.39                              | 3.30      | 12.40      | 41.40         | 31000                      | 21000                       |
| 6        | June      | 8.37                   | 7.10      | 3.80       | 13.20         | 3100                       | 2100                        | 7.24                              | 3.00      | 12.80      | 42.40         | 32000                      | 22000                       |
| 7        | July      |                        |           |            |               |                            |                             |                                   |           |            |               |                            |                             |
| 8        | August    |                        |           |            |               |                            |                             |                                   |           |            |               |                            |                             |
| 9        | September |                        |           |            |               |                            |                             |                                   |           |            |               |                            |                             |
| 10       | October   |                        |           |            |               |                            |                             |                                   |           |            |               |                            |                             |
| 11       | November  |                        |           |            |               |                            |                             |                                   |           |            |               |                            |                             |
| 12       | December  |                        |           |            |               |                            |                             |                                   |           |            |               |                            |                             |
| Average  |           | 8.36                   | 7.62      | 3.40       | 12.07         | 2850                       | 1817                        | 7.36                              | 3.55      | 11.53      | 37.83         | 31667                      | 20667                       |
| Category |           | D                      |           |            |               |                            |                             | E                                 |           |            |               |                            |                             |

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

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.cpcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

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AS  
(ASO)

AS  
(SA)

**Water Quality of River Gomti in UP  
Year 2023**

| S. No.         | Month                                 | SAMPLING POINT          |               |                            |                             |      |             |                     |               |                            |                             |      |             |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
|----------------|---------------------------------------|-------------------------|---------------|----------------------------|-----------------------------|------|-------------|---------------------|---------------|----------------------------|-----------------------------|------|-------------|------------------------------------|---------------|----------------------------|-----------------------------|------|-------------|---------------------|---------------|----------------------------|-----------------------------|-------|-------------|----------------------------|---------------|----------------------------|-----------------------------|--------|-------------|----------------------------|---------------|----------------------------|-----------------------------|--------|--------|
|                |                                       | 1                       |               |                            |                             |      |             | 2                   |               |                            |                             |      |             | 3                                  |               |                            |                             |      |             | 4                   |               |                            |                             |       |             | 5                          |               |                            |                             |        |             | 6                          |               |                            |                             |        |        |
|                |                                       | Dadhnamau Ghat, Sitapur |               |                            |                             |      |             | Manjhighat, Lucknow |               |                            |                             |      |             | U/s Water Intake, Gaughat, Lucknow |               |                            |                             |      |             | Kudiyaghat, Lucknow |               |                            |                             |       |             | D/s Mohan Meakins, Lucknow |               |                            |                             |        |             | Nishatganj Bridge, Lucknow |               |                            |                             |        |        |
| pH             | D.O. (mg/l)                           | B.O.D. (mg/l)           | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH   | D.O. (mg/l) | B.O.D. (mg/l)       | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH   | D.O. (mg/l) | B.O.D. (mg/l)                      | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH   | D.O. (mg/l) | B.O.D. (mg/l)       | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH    | D.O. (mg/l) | B.O.D. (mg/l)              | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH     | D.O. (mg/l) | B.O.D. (mg/l)              | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) |        |        |
| 1-             | January                               | 8.46                    | 12.2          | 2.0                        | 8.4                         | 1400 | 450         | 8.39                | 10.9          | 2.6                        | 11.6                        | 3900 | 2100        | 8.31                               | 10.3          | 3.0                        | 14.8                        | 4700 | 2600        | 7.97                | 5.7           | 6.8                        | 29.2                        | 40000 | 27000       | 7.89                       | 4.8           | 7.5                        | 33.6                        | 49000  | 23000       | 7.77                       | 3.5           | 9.0                        | 39.6                        | 79000  | 33000  |
| 2-             | February                              | 8.48                    | 11.0          | 2.2                        | 9.2                         | 1700 | 680         | 8.43                | 10.1          | 2.7                        | 12.0                        | 4000 | 2000        | 8.36                               | 9.6           | 3.2                        | 15.6                        | 4900 | 2300        | 7.51                | 2.4           | 8.0                        | 35.6                        | 54000 | 35000       | 7.46                       | 2.1           | 8.6                        | 38.4                        | 79000  | 49000       | 7.40                       | 1.6           | 10.2                       | 45.2                        | 94000  | 70000  |
| 3-             | March                                 | 8.47                    | 8.6           | 2.4                        | 10.0                        | 2000 | 780         | 8.45                | 7.5           | 2.9                        | 13.2                        | 4500 | 2000        | 8.41                               | 6.9           | 3.3                        | 16.0                        | 5400 | 2400        | 7.56                | 2.1           | 8.8                        | 38.0                        | 70000 | 33000       | 7.52                       | 1.9           | 9.5                        | 41.2                        | 92000  | 68000       | 7.41                       | 1.5           | 11.0                       | 49.6                        | 110000 | 78000  |
| 4-             | April                                 | 8.40                    | 7.8           | 2.5                        | 10.4                        | 2200 | 930         | 8.42                | 7.3           | 2.8                        | 13.6                        | 4600 | 2300        | 8.33                               | 6.8           | 3.3                        | 16.4                        | 6100 | 4000        | 7.58                | 2.6           | 8.5                        | 36.8                        | 79000 | 49000       | 7.49                       | 2.3           | 9.0                        | 39.6                        | 110000 | 78000       | 7.52                       | 2.0           | 10.6                       | 47.2                        | 130000 | 79000  |
| 5-             | May                                   | 8.38                    | 7.2           | 2.4                        | 10.4                        | 2400 | 1100        | 8.40                | 6.7           | 2.9                        | 14.4                        | 5400 | 2400        | 8.31                               | 5.9           | 3.5                        | 17.6                        | 6800 | 4000        | 7.64                | 1.8           | 9.2                        | 38.8                        | 93000 | 68000       | 7.58                       | 1.5           | 10.0                       | 43.2                        | 120000 | 68000       | 7.49                       | 1.9           | 11.4                       | 49.6                        | 140000 | 79000  |
| 6              | June                                  | 8.40                    | 6.9           | 2.5                        | 11.2                        | 2600 | 1300        | 8.36                | 6.2           | 3.0                        | 15.6                        | 4900 | 3300        | 8.27                               | 4.6           | 3.8                        | 18.8                        | 7000 | 4900        | 7.61                | 0.9           | 10.5                       | 45.6                        | 94000 | 70000       | 7.65                       | 0.7           | 11.0                       | 47.2                        | 140000 | 94000       | 7.69                       | 1.6           | 12.2                       | 53.6                        | 170000 | 110000 |
| 7              | July                                  |                         |               |                            |                             |      |             |                     |               |                            |                             |      |             |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| 8              | August                                |                         |               |                            |                             |      |             |                     |               |                            |                             |      |             |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| 9              | September                             |                         |               |                            |                             |      |             |                     |               |                            |                             |      |             |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| 10             | October                               |                         |               |                            |                             |      |             |                     |               |                            |                             |      |             |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| 11             | November                              |                         |               |                            |                             |      |             |                     |               |                            |                             |      |             |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| 12             | December                              |                         |               |                            |                             |      |             |                     |               |                            |                             |      |             |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| Average        |                                       | 8.43                    | 9.0           | 2.3                        | 9.9                         | 2050 | 873         | 8.41                | 8.1           | 2.8                        | 13.4                        | 4550 | 2350        | 8.33                               | 7.4           | 3.4                        | 16.5                        | 5817 | 3367        | 7.65                | 2.6           | 8.6                        | 37.3                        | 71667 | 47000       | 7.60                       | 2.2           | 9.3                        | 40.5                        | 98333  | 63333       | 7.55                       | 2.0           | 10.7                       | 47.5                        | 120500 | 74833  |
| Category       |                                       | C                       |               |                            |                             |      |             | C                   |               |                            |                             |      |             | D                                  |               |                            |                             |      |             | E                   |               |                            |                             |       |             | E                          |               |                            |                             |        |             | E                          |               |                            |                             |        |        |
| Class of water |                                       |                         |               | A                          | B                           |      |             | C                   | D             |                            |                             | E    | Below E     |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| 1              | Dissolved oxygen (mg/l), min          |                         |               | 6.0                        | 5.0                         |      |             | 4.0                 | 4.0           |                            |                             | -    | -           |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| 2              | Biochemical oxygen demand (mg/l), max |                         |               | 2.0                        | 3.0                         |      |             | 3.0                 | -             |                            |                             | -    | -           |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |
| 3              | Total Coliform (MPN/100ml), max       |                         |               | 50                         | 500                         |      |             | 5000                | -             |                            |                             | -    | -           |                                    |               |                            |                             |      |             |                     |               |                            |                             |       |             |                            |               |                            |                             |        |             |                            |               |                            |                             |        |        |

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

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**Water Quality of River Gomti in UP  
Year 2023**

| S. No.      | Month | SAMPLING POINT      |             |               |               |                            |                             |                        |             |               |               |                            |                             |                                                  |             |               |               |                            |                             |                    |             |               |               |                            |                             |                                                     |             |               |               |                            |                             |
|-------------|-------|---------------------|-------------|---------------|---------------|----------------------------|-----------------------------|------------------------|-------------|---------------|---------------|----------------------------|-----------------------------|--------------------------------------------------|-------------|---------------|---------------|----------------------------|-----------------------------|--------------------|-------------|---------------|---------------|----------------------------|-----------------------------|-----------------------------------------------------|-------------|---------------|---------------|----------------------------|-----------------------------|
|             |       | 7                   |             |               |               |                            |                             | 8                      |             |               |               |                            |                             | 9                                                |             |               |               |                            |                             | 10                 |             |               |               |                            |                             | 11                                                  |             |               |               |                            |                             |
|             |       | U/s Bairaj, Lucknow |             |               |               |                            |                             | D/s Pipraghat, Lucknow |             |               |               |                            |                             | D/s After meeting of STP, Nala Bharwara, Lucknow |             |               |               |                            |                             | D/s Gomti, Jaunpur |             |               |               |                            |                             | Gomti before meeting river Ganga, Rajwari, Varanasi |             |               |               |                            |                             |
|             |       | pH                  | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feecal Coliform (MPN/100ml) | pH                     | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feecal Coliform (MPN/100ml) | pH                                               | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feecal Coliform (MPN/100ml) | pH                 | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feecal Coliform (MPN/100ml) | pH                                                  | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feecal Coliform (MPN/100ml) |
| 1- January  | 7.74  | 3.1                 | 9.4         | 42.4          | 92000         | 54000                      | 7.65                        | 2.5                    | 10.5        | 46.4          | 110000        | 70000                      | 7.58                        | 2.2                                              | 11.8        | 50.8          | 200000        | 140000                     | 8.48                        | 7.7                | 3.7         | 13.8          | 21000         | 14000                      | 8.38                        | 8.0                                                 | 3.4         | 12.4          | 11000         | 6800                       |                             |
| 2- February | 7.37  | 1.5                 | 10.5        | 47.6          | 110000        | 79000                      | 7.30                        | 1.5                    | 12.0        | 52.6          | 140000        | 94000                      | 7.28                        | 0.8                                              | 13.0        | 57.2          | 260000        | 170000                     | 8.44                        | 8.0                | 4.0         | 15.2          | 17000         | 11000                      | 8.35                        | 8.6                                                 | 3.3         | 12.8          | 9200          | 6800                       |                             |
| 3- March    | 7.38  | 1.3                 | 11.6        | 52.4          | 130000        | 79000                      | 7.36                        | 0.9                    | 12.6        | 56.0          | 160000        | 92000                      | 7.30                        | 0.6                                              | 13.5        | 59.6          | 280000        | 170000                     | 8.42                        | 7.8                | 4.1         | 15.6          | 20000         | 11000                      | 8.32                        | 8.3                                                 | 3.5         | 13.6          | 11000         | 7000                       |                             |
| 4- April    | 7.55  | 1.8                 | 11.0        | 50.2          | 140000        | 92000                      | 7.49                        | 1.5                    | 12.0        | 53.6          | 170000        | 110000                     | 7.46                        | 1.0                                              | 13.2        | 57.2          | 320000        | 170000                     | 8.39                        | 7.6                | 4.2         | 16.4          | 21000         | 13000                      | 8.29                        | 7.8                                                 | 3.6         | 13.8          | 9400          | 6300                       |                             |
| 5- May      | 7.56  | 2.3                 | 12.0        | 52.4          | 160000        | 92000                      | 7.52                        | 1.8                    | 13.0        | 56.8          | 210000        | 140000                     | 7.64                        | 2.0                                              | 13.8        | 59.6          | 350000        | 220000                     | 8.45                        | 7.5                | 4.1         | 16.4          | 20000         | 13000                      | 8.32                        | 7.7                                                 | 3.5         | 13.2          | 11000         | 6800                       |                             |
| 6- June     | 7.74  | 2.4                 | 12.5        | 56.0          | 200000        | 140000                     | 7.79                        | 2.0                    | 13.8        | 60.8          | 240000        | 170000                     | 7.81                        | 1.8                                              | 14.6        | 62.4          | 330000        | 230000                     | 8.41                        | 7.3                | 4.2         | 16.8          | 21000         | 13000                      | 8.28                        | 7.5                                                 | 3.7         | 13.6          | 13000         | 7000                       |                             |
| 7 July      |       |                     |             |               |               |                            |                             |                        |             |               |               |                            |                             |                                                  |             |               |               |                            |                             |                    |             |               |               |                            |                             |                                                     |             |               |               |                            |                             |
| 8 August    |       |                     |             |               |               |                            |                             |                        |             |               |               |                            |                             |                                                  |             |               |               |                            |                             |                    |             |               |               |                            |                             |                                                     |             |               |               |                            |                             |
| 9 September |       |                     |             |               |               |                            |                             |                        |             |               |               |                            |                             |                                                  |             |               |               |                            |                             |                    |             |               |               |                            |                             |                                                     |             |               |               |                            |                             |
| 10 October  |       |                     |             |               |               |                            |                             |                        |             |               |               |                            |                             |                                                  |             |               |               |                            |                             |                    |             |               |               |                            |                             |                                                     |             |               |               |                            |                             |
| 11 November |       |                     |             |               |               |                            |                             |                        |             |               |               |                            |                             |                                                  |             |               |               |                            |                             |                    |             |               |               |                            |                             |                                                     |             |               |               |                            |                             |
| 12 December |       |                     |             |               |               |                            |                             |                        |             |               |               |                            |                             |                                                  |             |               |               |                            |                             |                    |             |               |               |                            |                             |                                                     |             |               |               |                            |                             |
| Average     |       | 7.56                | 2.1         | 11.2          | 50.2          | 138667                     | 89333                       | 7.52                   | 1.7         | 12.3          | 54.4          | 171667                     | 112667                      | 7.51                                             | 1.4         | 13.3          | 57.8          | 290000                     | 183333                      | 8.43               | 7.7         | 4.1           | 15.7          | 20000                      | 12500                       | 8.32                                                | 8.0         | 3.5           | 13.2          | 10767                      | 6783                        |
| Category    |       | E                   |             |               |               |                            |                             | E                      |             |               |               |                            |                             | E                                                |             |               |               |                            |                             | D                  |             |               |               |                            |                             | D                                                   |             |               |               |                            |                             |

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

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, industrial cooling, controlled waste disposal

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

Source: [http://www.epcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.epcb.nic.in/Water_Quality_Criteria.php)

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**WATER QUALITY OF RIVER RAMGANGA IN U P**  
Year -2023

| S.N.           | Month                                 | SAMPLING POINT                               |           |           |               |                            |                             |                                         |           |           |               |                            |                               |      |           |           |               |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
|----------------|---------------------------------------|----------------------------------------------|-----------|-----------|---------------|----------------------------|-----------------------------|-----------------------------------------|-----------|-----------|---------------|----------------------------|-------------------------------|------|-----------|-----------|---------------|---------------------------------------------------|-----------------------------|------|-----------|-----------|-------------------------------------------|----------------------------|-----------------------------|------|-----------|-------------------------|---------------|----------------------------|-----------------------------|------|------|-----|------|------|------|
|                |                                       | U/s Ramganga near Agwanpur, Distt. Moradabad |           |           |               |                            |                             | Moradabad Rampur road bridge, Moradabad |           |           |               |                            | D/s Ramganga, Shahabad Rampur |      |           |           |               | U/s Ramganga Kapurpur village, Meeranji, Bareilly |                             |      |           |           | D/s Ramganga FBD road bridge Shahjahanpur |                            |                             |      |           | Ramganga at Farrukhabad |               |                            |                             |      |      |     |      |      |      |
|                |                                       | pH                                           | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feacal Coliform (MPN/100ml) | pH                                      | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feacal Coliform (MPN/100ml)   | pH   | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml)                        | Feacal Coliform (MPN/100ml) | pH   | DO (mg/l) | BOD(mg/l) | C.O.D. (mg/l)                             | Total Coliform (MPN/100ml) | Feacal Coliform (MPN/100ml) | pH   | DO (mg/l) | BOD(mg/l)               | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feacal Coliform (MPN/100ml) |      |      |     |      |      |      |
| 1              | January                               | 7.61                                         | 8.1       | 2.0       | 18.0          | 910                        | 370                         | 7.71                                    | 5.7       | 7.2       | 24.0          | 15000                      | 9100                          | 7.65 | 6.3       | 8.2       | 36.0          | 20000                                             | 9300                        | 8.00 | 9.5       | 2.8       | 24.0                                      | 11000                      | 8400                        | 8.00 | 10.4      | 2.6                     | 20.0          | 7900                       | 4800                        | 8.00 | 11.2 | 4.6 | 15.0 | *    | *    |
| 2              | February                              | 7.40                                         | 7.8       | 2.0       | 12.0          | 610                        | 400                         | 7.41                                    | 6.8       | 7.0       | 24.0          | 21000                      | 14000                         | 7.70 | 6.0       | 7.2       | 32.0          | 14000                                             | 6800                        | 7.80 | 8.5       | 2.9       | 20.0                                      | 4800                       | 2700                        | 7.80 | 9.5       | 2.7                     | 24.0          | 4600                       | 2600                        | 8.40 | 10.2 | 4.6 | 15.2 | *    | *    |
| 3              | March                                 | 7.60                                         | 7.9       | 2.4       | 16.0          | 910                        | 400                         | 7.96                                    | 6.5       | 6.8       | 24.0          | 21000                      | 14000                         | 7.30 | 6.3       | 6.4       | 32.0          | 21000                                             | 6800                        | 7.80 | 7.7       | 2.8       | 24.0                                      | 4600                       | 3500                        | 8.10 | 9.1       | 2.9                     | 20.0          | 4800                       | 3300                        | 8.31 | 10.0 | 4.0 | 13.6 | *    | *    |
| 4              | April                                 | 7.30                                         | 7.6       | 2.8       | 20.0          | 930                        | 450                         | 7.36                                    | 3.8       | 7.6       | 28.0          | 13000                      | 6100                          | 7.50 | 4.0       | 7.8       | 20.0          | 33000                                             | 21000                       | 7.90 | 8.5       | 2.7       | 24.0                                      | 4800                       | 3500                        | 8.20 | 8.8       | 2.8                     | 20.0          | 4600                       | 3500                        | 8.16 | 8.8  | 4.4 | 14.4 | 7900 | 4900 |
| 5              | May                                   | 7.70                                         | 7.0       | 2.2       | 16.0          | 1200                       | 450                         | 7.76                                    | 4.2       | 7.8       | 32.0          | 14000                      | 6800                          | 7.70 | 4.0       | 8.0       | 36.0          | 21000                                             | 14000                       | 7.80 | 7.4       | 2.9       | 20.0                                      | 12000                      | 9200                        | 7.60 | 8.3       | 2.8                     | 20.0          | 7900                       | 6300                        | 8.20 | 9.7  | 5.0 | 14.8 | 8400 | 6300 |
| 6              | June                                  | 7.60                                         | 7.8       | 1.8       | 12.0          | 1100                       | 610                         | 7.55                                    | 5.4       | 7.2       | 28.0          | 17000                      | 11000                         | 7.70 | 4.6       | 7.6       | 32.0          | 14000                                             | 9300                        | 7.60 | 7.3       | 2.7       | 24.0                                      | 13000                      | 11000                       | 7.80 | 8.3       | 2.8                     | 20.0          | 6300                       | 4800                        | 8.20 | 9.1  | 4.4 | 14.4 | 7900 | 4900 |
| 7              | July                                  |                                              |           |           |               |                            |                             |                                         |           |           |               |                            |                               |      |           |           |               |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| 8              | August                                |                                              |           |           |               |                            |                             |                                         |           |           |               |                            |                               |      |           |           |               |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| 9              | Septembe                              |                                              |           |           |               |                            |                             |                                         |           |           |               |                            |                               |      |           |           |               |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| 10             | October                               |                                              |           |           |               |                            |                             |                                         |           |           |               |                            |                               |      |           |           |               |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| 11             | Novembe                               |                                              |           |           |               |                            |                             |                                         |           |           |               |                            |                               |      |           |           |               |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| 12             | December                              |                                              |           |           |               |                            |                             |                                         |           |           |               |                            |                               |      |           |           |               |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| Average        |                                       | 7.54                                         | 7.7       | 2.2       | 15.7          | 943                        | 447                         | 7.63                                    | 5.4       | 7.3       | 26.7          | 16833                      | 10167                         | 7.59 | 5.2       | 7.5       | 31.3          | 20500                                             | 11200                       | 7.82 | 8.1       | 2.8       | 22.7                                      | 8367                       | 6383                        | 7.92 | 9.1       | 2.8                     | 20.7          | 6017                       | 4217                        | 8.21 | 9.8  | 4.5 | 14.6 | 8067 | 5367 |
| Category       |                                       | C                                            |           |           |               |                            |                             | D                                       |           |           |               |                            |                               | D    |           |           |               |                                                   |                             | D    |           |           |                                           |                            |                             | D    |           |                         |               |                            |                             |      |      |     |      |      |      |
| Class of water |                                       |                                              |           |           |               |                            |                             |                                         |           | A         | B             | C                          |                               | D    | E         | Below E   |               |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| 1              | Dissolved oxygen (mg/l), min          |                                              |           |           |               |                            |                             |                                         |           |           | 6.0           | 5.0                        | 4.0                           |      | 4.0       | -         | -             |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| 2              | Biochemical oxygen demand (mg/l), max |                                              |           |           |               |                            |                             |                                         |           |           | 2.0           | 3.0                        | 3.0                           |      | -         | -         | -             |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |
| 3              | Total Coliform (MPN/100ml), max       |                                              |           |           |               |                            |                             |                                         |           |           | 50            | 500                        | 5000                          |      | -         | -         | -             |                                                   |                             |      |           |           |                                           |                            |                             |      |           |                         |               |                            |                             |      |      |     |      |      |      |

\* Auto clve is not working

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.epcb.nic.in/Water_Quality_Criteria.php)

Relly  
(S.A)

(A.S.R)

CRD

**Water Quality of River Betwa in UP  
Year 2023**

| SNo.     | Month     | Sampling Point           |           |            |               |                            |                             |
|----------|-----------|--------------------------|-----------|------------|---------------|----------------------------|-----------------------------|
|          |           | Betwa at Hamirpur, Banda |           |            |               |                            |                             |
|          |           | pH                       | DO (mg/l) | BOD (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feecal Coliform (MPN/100ml) |
| 1        | January   | 7.40                     | 7.6       | 2.6        | 16.0          | -                          | -                           |
| 2        | February  | 7.50                     | 7.2       | 2.4        | 18.0          | -                          | -                           |
| 3        | March     | 7.30                     | 6.9       | 2.3        | 16.0          | -                          | -                           |
| 4        | April     | 7.50                     | 6.4       | 2.2        | 14.0          | -                          | -                           |
| 5        | May       | 7.60                     | 6.0       | 2.4        | 18.0          | -                          | -                           |
| 6        | June      | 7.56                     | 5.8       | 2.9        | 14.8          | -                          | -                           |
| 7        | July      |                          |           |            |               |                            |                             |
| 8        | August    |                          |           |            |               |                            |                             |
| 9        | September |                          |           |            |               |                            |                             |
| 10       | October   |                          |           |            |               |                            |                             |
| 11       | November  |                          |           |            |               |                            |                             |
| 12       | December  |                          |           |            |               |                            |                             |
| Average  |           | 7.48                     | 6.7       | 2.5        | 16.1          | -                          | -                           |
| Category |           | B                        |           |            |               |                            |                             |

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

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D= Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.epcb.nic.in/Water_Quality_Criteria.php)

*[Signature]*  
(S.H.)

*[Signature]*  
(A.S.O.)

*[Signature]*  
(C.M.)

**Water Quality Of River Ganga in UP  
Year-2023**

**S A M P L I N G L O C A T I O N**

| Month | S A M P L I N G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|-------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

Autoclave is not working.

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

Drinking water source without conventional treatment but after disinfection

Outdoor bathing (organised)

Drinking water source after conventional treatment and disinfection

Propagation of wild life and fisheries.

Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.cpcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.cpcb.nic.in/Water_Quality_Criteria.php)

AK  
(SA)

CA 50

CP  
CW

**Water Quality Of River Ganga in UP**  
Year-2023

| Month     | S A M P L I N G L O C A T I O N            |             |               |               |                            |                             |            |             |               |               |                            |                             |                   |             |               |               |                            |                             |                         |             |               |               |                            |                             |                      |             |               |               |                            |                             |                                    |             |               |               |                            |                             |               |             |               |               |                            |                             |  |  |
|-----------|--------------------------------------------|-------------|---------------|---------------|----------------------------|-----------------------------|------------|-------------|---------------|---------------|----------------------------|-----------------------------|-------------------|-------------|---------------|---------------|----------------------------|-----------------------------|-------------------------|-------------|---------------|---------------|----------------------------|-----------------------------|----------------------|-------------|---------------|---------------|----------------------------|-----------------------------|------------------------------------|-------------|---------------|---------------|----------------------------|-----------------------------|---------------|-------------|---------------|---------------|----------------------------|-----------------------------|--|--|
|           | 8                                          |             |               |               |                            |                             | 9          |             |               |               |                            |                             | 10                |             |               |               |                            |                             | 11                      |             |               |               |                            |                             | 12                   |             |               |               |                            |                             | 13                                 |             |               |               |                            |                             | 14            |             |               |               |                            |                             |  |  |
|           | At Jajman Bridge<br>(Bathing Ghat), Kanpur |             |               |               |                            |                             | D/S Kanpur |             |               |               |                            |                             | Dalmau, Raibareli |             |               |               |                            |                             | Kala Kankar, Pratapgarh |             |               |               |                            |                             | Kada Ghat, Kaushambi |             |               |               |                            |                             | U/s Prayagraj<br>(Rasoolabad Ghat) |             |               |               |                            |                             | D/s Prayagraj |             |               |               |                            |                             |  |  |
|           | pH                                         | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH         | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH                | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH                      | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH                   | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH                                 | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH            | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) |  |  |
| January   | 8.26                                       | 10.0        | 4.2           | 17.2          | *                          | *                           | 8.09       | 9.8         | 4.4           | 17.60         | *                          | *                           | 7.82              | 8.7         | 3.9           | 16.96         | 2300                       | 1300                        | 7.91                    | 8.9         | 3.8           | 16.96         | 2200                       | 1300                        | 8.16                 | 9.3         | 2.9           | 14.0          | 1700                       | 680                         | 8.37                               | 9.0         | 2.7           | 8.0           | 2100                       | 780                         | 8.18          | 9.1         | 2.6           | 10.0          | 2200                       | 680                         |  |  |
| February  | 8.26                                       | 10.1        | 4.1           | 14.8          | *                          | *                           | 8.14       | 10.0        | 4.3           | 15.20         | *                          | *                           | 7.95              | 10.5        | 2.7           | 17.12         | 2200                       | 1300                        | 7.98                    | 10.6        | 2.6           | 16.96         | 2200                       | 1100                        | 8.22                 | 8.6         | 2.7           | 12.0          | 1500                       | 610                         | 8.18                               | 8.6         | 2.9           | 10.0          | 2000                       | 680                         | 8.32          | 8.7         | 2.8           | 10.0          | 2400                       | 680                         |  |  |
| March     | 8.51                                       | 9.4         | 4.2           | 15.2          | *                          | *                           | 8.58       | 8.0         | 4.1           | 16.00         | *                          | *                           | 7.82              | 9.8         | 2.9           | 17.3          | 2200                       | 1400                        | 7.86                    | 10.0        | 2.8           | 16.96         | 2600                       | 1700                        | 8.37                 | 8.4         | 2.8           | 10.0          | 1400                       | 450                         | 8.29                               | 8.4         | 2.8           | 8.0           | 2200                       | 780                         | 8.22          | 8.1         | 2.8           | 10.0          | 2400                       | 680                         |  |  |
| April     | 8.27                                       | 9.0         | 3.9           | 13.2          | 13000                      | 7000                        | 8.44       | 8.8         | 4.2           | 14.00         | 20000                      | 14000                       | 7.81              | 8.4         | 3.2           | 17.0          | 3000                       | 2100                        | 7.84                    | 8.5         | 3.1           | 16.52         | 2800                       | 1700                        | 8.07                 | 8.8         | 2.7           | 12.0          | 1700                       | 680                         | 8.21                               | 8.2         | 2.7           | 10.0          | 2100                       | 680                         | 8.38          | 8.7         | 2.9           | 12.0          | 2400                       | 680                         |  |  |
| May       | 8.29                                       | 8.3         | 4.5           | 14.2          | 11000                      | 7900                        | 8.41       | 8.1         | 4.6           | 14.80         | 20000                      | 17000                       | 7.86              | 8.3         | 3.1           | 17.6          | 2800                       | 1700                        | 7.90                    | 8.4         | 3.0           | 17.60         | 3200                       | 2200                        | 8.32                 | 7.8         | 2.9           | 12.0          | 1400                       | 450                         | 8.11                               | 7.4         | 2.9           | 12.0          | 2200                       | 780                         | 8.25          | 8.1         | 2.8           | 12.0          | 2600                       | 920                         |  |  |
| June      | 8.19                                       | 7.2         | 4.6           | 14.4          | 11000                      | 7900                        | 8.20       | 7.0         | 4.7           | 14.80         | 17000                      | 13000                       | 7.79              | 7.4         | 3.6           | 18.1          | 3200                       | 2400                        | 7.83                    | 7.5         | 3.4           | 17.92         | 3200                       | 2200                        | 8.22                 | 7.4         | 2.9           | 14.0          | 1400                       | 400                         | 8.20                               | 8.5         | 2.8           | 10.0          | 2100                       | 680                         | 8.14          | 8.1         | 2.8           | 10.0          | 2600                       | 920                         |  |  |
| July      |                                            |             |               |               |                            |                             |            |             |               |               |                            |                             |                   |             |               |               |                            |                             |                         |             |               |               |                            |                             |                      |             |               |               |                            |                             |                                    |             |               |               |                            |                             |               |             |               |               |                            |                             |  |  |
| August    |                                            |             |               |               |                            |                             |            |             |               |               |                            |                             |                   |             |               |               |                            |                             |                         |             |               |               |                            |                             |                      |             |               |               |                            |                             |                                    |             |               |               |                            |                             |               |             |               |               |                            |                             |  |  |
| September |                                            |             |               |               |                            |                             |            |             |               |               |                            |                             |                   |             |               |               |                            |                             |                         |             |               |               |                            |                             |                      |             |               |               |                            |                             |                                    |             |               |               |                            |                             |               |             |               |               |                            |                             |  |  |
| October   |                                            |             |               |               |                            |                             |            |             |               |               |                            |                             |                   |             |               |               |                            |                             |                         |             |               |               |                            |                             |                      |             |               |               |                            |                             |                                    |             |               |               |                            |                             |               |             |               |               |                            |                             |  |  |
| November  |                                            |             |               |               |                            |                             |            |             |               |               |                            |                             |                   |             |               |               |                            |                             |                         |             |               |               |                            |                             |                      |             |               |               |                            |                             |                                    |             |               |               |                            |                             |               |             |               |               |                            |                             |  |  |
| December  |                                            |             |               |               |                            |                             |            |             |               |               |                            |                             |                   |             |               |               |                            |                             |                         |             |               |               |                            |                             |                      |             |               |               |                            |                             |                                    |             |               |               |                            |                             |               |             |               |               |                            |                             |  |  |
| Average   | 8.30                                       | 9.0         | 4.3           | 14.8          | 11667                      | 7600                        | 8.31       | 8.6         | 4.4           | 15.40         | 19000                      | 14667                       | 7.84              | 8.9         | 3.2           | 17.3          | 2617                       | 1700                        | 7.90                    | 9.0         | 3.1           | 17.15         | 2700                       | 1700                        | 8.23                 | 8.4         | 2.8           | 12.3          | 1517                       | 545                         | 8.23                               | 8.4         | 2.8           | 9.7           | 2117                       | 730                         | 8.25          | 8.5         | 2.8           | 10.7          | 2433                       | 760                         |  |  |
| Category  | D                                          |             |               |               |                            |                             | D          |             |               |               |                            |                             | D                 |             |               |               |                            |                             | D                       |             |               |               |                            |                             | C                    |             |               |               |                            |                             | C                                  |             |               |               |                            |                             | C             |             |               |               |                            |                             |  |  |

Autoclave is not working.

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

= Drinking water source without conventional treatment but after disinfection

= Outdoor bathing (organised)

= Drinking water source after conventional treatment and disinfection

= Propagation of wild life and fisheries.

= Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.epcb.nic.in/Water_Quality_Criteria.php)

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**Water Quality Of River Ganga in UP**  
Year- 2023

| Month    | S A M P L I N G L O C A T I O N   |             |               |               |                            |                             |                       |             |               |               |                            |                             |              |             |               |               |                            |                             |                           |             |               |               |                            |                             |
|----------|-----------------------------------|-------------|---------------|---------------|----------------------------|-----------------------------|-----------------------|-------------|---------------|---------------|----------------------------|-----------------------------|--------------|-------------|---------------|---------------|----------------------------|-----------------------------|---------------------------|-------------|---------------|---------------|----------------------------|-----------------------------|
|          | 15                                |             |               |               |                            |                             | 16                    |             |               |               |                            |                             | 17           |             |               |               |                            |                             | 18                        |             |               |               |                            |                             |
|          | a/c Tamsa river, Sirsa, Son Barsa |             |               |               |                            |                             | U/s Vindhya, Mirzapur |             |               |               |                            |                             | D/s Mirzapur |             |               |               |                            |                             | At Chunnar Pontoon Bridge |             |               |               |                            |                             |
|          | pH                                | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH                    | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH           | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) | pH                        | D.O. (mg/l) | B.O.D. (mg/l) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Faecal Coliform (MPN/100ml) |
| May      | 8.23                              | 8.9         | 2.8           | 16.0          | 2200                       | 780                         | 8.31                  | 9.2         | 2.4           | 8.8           | 1400                       | 920                         | 7.97         | 8.3         | 3.7           | 15.2          | 17000                      | 11000                       | 8.14                      | 8.8         | 3.1           | 11.6          | 9200                       | 6800                        |
| June     | 8.35                              | 8.5         | 2.8           | 12.0          | 2200                       | 780                         | 8.34                  | 9.3         | 2.2           | 7.8           | 1300                       | 910                         | 8.04         | 8.4         | 3.6           | 14.2          | 17000                      | 11000                       | 8.13                      | 8.8         | 3.2           | 10.8          | 11000                      | 7000                        |
| July     | 8.35                              | 8.7         | 2.7           | 14.0          | 2100                       | 680                         | 8.16                  | 8.6         | 2.8           | 9.8           | 1700                       | 1100                        | 7.91         | 7.5         | 4.3           | 16.2          | 22000                      | 14000                       | 7.99                      | 8.3         | 3.8           | 12.8          | 14000                      | 9300                        |
| Aug      | 8.38                              | 8.4         | 2.8           | 14.0          | 2000                       | 680                         | 8.11                  | 8.4         | 2.6           | 9.4           | 1400                       | 930                         | 7.85         | 7.3         | 4.3           | 15.8          | 21000                      | 14000                       | 7.95                      | 8.0         | 3.6           | 12.6          | 13000                      | 9100                        |
| Sept     | 8.22                              | 8.1         | 2.8           | 10.0          | 2000                       | 680                         | 8.15                  | 8.3         | 2.6           | 9.4           | 1400                       | 930                         | 7.92         | 7.2         | 4.3           | 15.8          | 20000                      | 13000                       | 8.06                      | 7.8         | 3.6           | 13.8          | 13000                      | 9100                        |
| Oct      | 8.32                              | 7.9         | 2.8           | 12.0          | 2200                       | 780                         | 8.07                  | 7.8         | 2.8           | 9.4           | 1700                       | 1100                        | 7.65         | 7.1         | 3.7           | 13.6          | 14000                      | 9300                        | 7.82                      | 7.5         | 3.3           | 11.2          | 11000                      | 6800                        |
| Nov      |                                   |             |               |               |                            |                             |                       |             |               |               |                            |                             |              |             |               |               |                            |                             |                           |             |               |               |                            |                             |
| Dec      |                                   |             |               |               |                            |                             |                       |             |               |               |                            |                             |              |             |               |               |                            |                             |                           |             |               |               |                            |                             |
| Jan      |                                   |             |               |               |                            |                             |                       |             |               |               |                            |                             |              |             |               |               |                            |                             |                           |             |               |               |                            |                             |
| Feb      |                                   |             |               |               |                            |                             |                       |             |               |               |                            |                             |              |             |               |               |                            |                             |                           |             |               |               |                            |                             |
| Mar      |                                   |             |               |               |                            |                             |                       |             |               |               |                            |                             |              |             |               |               |                            |                             |                           |             |               |               |                            |                             |
| Apr      | 8.31                              | 8.4         | 2.8           | 13.0          | 2117                       | 730                         | 8.19                  | 8.6         | 2.6           | 9.1           | 1483                       | 982                         | 7.89         | 7.6         | 4.0           | 15.1          | 18500                      | 12050                       | 8.02                      | 8.2         | 3.4           | 12.1          | 11867                      | 8017                        |
| Category | C                                 |             |               |               |                            |                             | C                     |             |               |               |                            |                             | D            |             |               |               |                            |                             | D                         |             |               |               |                            |                             |

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

Drinking water source without conventional treatment but after disinfection

Outdoor bathing (organised)

Drinking water source after conventional treatment and disinfection

Propagation of wild life and fisheries.

Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.epcb.nic.in/Water_Quality_Criteria.php)

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**Water Quality of Rapti River in UP  
Year-2023**

| S.No.          | Sampling Point                        | SAMPLING POINT                   |           |           |            |                            |                             |                           |           |           |            |                            |                             |
|----------------|---------------------------------------|----------------------------------|-----------|-----------|------------|----------------------------|-----------------------------|---------------------------|-----------|-----------|------------|----------------------------|-----------------------------|
|                |                                       | Rapti river Domingarh, Gorakhpur |           |           |            |                            |                             | Rapti river D/s Gorakhpur |           |           |            |                            |                             |
|                |                                       | pH                               | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Feecal Coliform (MPN/100ml) | pH                        | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Feecal Coliform (MPN/100ml) |
| 1              | January                               | 8.12                             | 8.4       | 2.6       | 12.0       | 20000                      | 10000                       | 7.98                      | 8.0       | 4.2       | 20.0       | 36000                      | 20000                       |
| 2              | February                              | 8.0                              | 8.2       | 2.8       | 14.0       | 26000                      | 12000                       | 7.80                      | 7.8       | 4.6       | 26.0       | 38000                      | 24000                       |
| 3              | March                                 | 7.96                             | 8.0       | 3.0       | 12.0       | 28000                      | 14000                       | 7.76                      | 7.7       | 4.8       | 28.0       | 40000                      | 26000                       |
| 4              | April                                 | 7.90                             | 7.9       | 3.2       | 16.0       | 30000                      | 16000                       | 7.70                      | 7.6       | 5.0       | 30.0       | 44000                      | 28000                       |
| 5              | May                                   | 8.0                              | 8.0       | 3.0       | 16.0       | 28000                      | 14000                       | 7.82                      | 7.7       | 4.8       | 28.0       | 40000                      | 24000                       |
| 6              | June                                  | 7.88                             | 7.8       | 4.6       | 26.0       | 42000                      | 26000                       | 7.88                      | 7.8       | 4.6       | 26.0       | 42000                      | 26000                       |
| 7              | July                                  |                                  |           |           |            |                            |                             |                           |           |           |            |                            |                             |
| 8              | August                                |                                  |           |           |            |                            |                             |                           |           |           |            |                            |                             |
| 9              | September                             |                                  |           |           |            |                            |                             |                           |           |           |            |                            |                             |
| 10             | October                               |                                  |           |           |            |                            |                             |                           |           |           |            |                            |                             |
| 11             | November                              |                                  |           |           |            |                            |                             |                           |           |           |            |                            |                             |
| 12             | December                              |                                  |           |           |            |                            |                             |                           |           |           |            |                            |                             |
|                | Average                               | 8.04                             | 8.1       | 3.2       | 16.0       | 29000                      | 15333                       | 7.82                      | 7.8       | 4.7       | 26.3       | 40000                      | 24667                       |
| Category       |                                       | D                                |           |           |            |                            |                             | D                         |           |           |            |                            |                             |
| Class of water |                                       | A                                |           | H         |            | C                          |                             | D                         |           | E         |            | Below E                    |                             |
| 1              | Dissolved oxygen (mg/l), min          | 6.0                              |           | 5.0       |            | 4.0                        |                             | 4.0                       |           | -         |            | -                          |                             |
| 2              | Biochemical oxygen demand (mg/l), max | 2.0                              |           | 3.0       |            | 3.0                        |                             | -                         |           | -         |            | -                          |                             |
| 3              | Total Coliform (MPN/100ml), max       | 50                               |           | 500       |            | 5000                       |                             | -                         |           | -         |            | -                          |                             |

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.epcb.nic.in/Water_Quality_Criteria.php)

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**Water Quality of Rapti River in UP  
Year-2023**

| S.No.          | Sampling Point                        | SAMPLING POINT                   |           |           |            |                            |                            |                           |           |           |            |                            |                            |
|----------------|---------------------------------------|----------------------------------|-----------|-----------|------------|----------------------------|----------------------------|---------------------------|-----------|-----------|------------|----------------------------|----------------------------|
|                |                                       | Rapti river Domingarh, Gorakhpur |           |           |            |                            |                            | Rapti river D/s Gorakhpur |           |           |            |                            |                            |
|                |                                       | pH                               | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) | pH                        | DO (mg/l) | BOD(mg/l) | COD (mg/l) | Total Coliform (MPN/100ml) | Fecal Coliform (MPN/100ml) |
| 1              | January                               | 8.12                             | 8.4       | 2.6       | 12.0       | 20000                      | 10000                      | 7.98                      | 8.0       | 4.2       | 20.0       | 36000                      | 20000                      |
| 2              | February                              | 8.0                              | 8.2       | 2.8       | 14.0       | 26000                      | 12000                      | 7.80                      | 7.8       | 4.6       | 26.0       | 38000                      | 24000                      |
| 3              | March                                 | 7.96                             | 8.0       | 3.0       | 12.0       | 28000                      | 14000                      | 7.76                      | 7.7       | 4.8       | 28.0       | 40000                      | 26000                      |
| 4              | April                                 | 7.90                             | 7.9       | 3.2       | 16.0       | 30000                      | 16000                      | 7.70                      | 7.6       | 5.0       | 30.0       | 44000                      | 28000                      |
| 5              | May                                   | 8.0                              | 8.0       | 3.0       | 16.0       | 28000                      | 14000                      | 7.82                      | 7.7       | 4.8       | 28.0       | 40000                      | 24000                      |
| 6              | June                                  | 7.88                             | 7.8       | 4.6       | 26.0       | 42000                      | 26000                      | 7.88                      | 7.8       | 4.6       | 26.0       | 42000                      | 26000                      |
| 7              | July                                  |                                  |           |           |            |                            |                            |                           |           |           |            |                            |                            |
| 8              | August                                |                                  |           |           |            |                            |                            |                           |           |           |            |                            |                            |
| 9              | September                             |                                  |           |           |            |                            |                            |                           |           |           |            |                            |                            |
| 10             | October                               |                                  |           |           |            |                            |                            |                           |           |           |            |                            |                            |
| 11             | November                              |                                  |           |           |            |                            |                            |                           |           |           |            |                            |                            |
| 12             | December                              |                                  |           |           |            |                            |                            |                           |           |           |            |                            |                            |
|                | Average                               | 8.04                             | 8.1       | 3.2       | 16.0       | 29000                      | 15333                      | 7.82                      | 7.8       | 4.7       | 26.3       | 40000                      | 24667                      |
| Category       |                                       | D                                |           |           |            |                            |                            | D                         |           |           |            |                            |                            |
| Class of water |                                       | A                                |           | B         |            | C                          |                            | D                         |           | E         |            | Below E                    |                            |
| 1              | Dissolved oxygen (mg/l), min          | 6.0                              |           | 5.0       |            | 4.0                        |                            | 4.0                       |           | -         |            | -                          |                            |
| 2              | Biochemical oxygen demand (mg/l), max | 2.0                              |           | 3.0       |            | 3.0                        |                            | -                         |           | -         |            | -                          |                            |
| 3              | Total Coliform (MPN/100ml), max       | 50                               |           | 500       |            | 5000                       |                            | -                         |           | -         |            | -                          |                            |

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.epcb.nic.in/Water_Quality_Criteria.php)

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## Water Quality Report Of River Ghaghra in UP Year-2023

| S.No.    | Month     | SAMPLING POINT            |           |            |               |                            |                             |                      |           |            |               |                            |                             |
|----------|-----------|---------------------------|-----------|------------|---------------|----------------------------|-----------------------------|----------------------|-----------|------------|---------------|----------------------------|-----------------------------|
|          |           | Badhalganj U/s, Gorakhpur |           |            |               |                            |                             | Turtipur D/s, Deoria |           |            |               |                            |                             |
|          |           | pH                        | DO (mg/L) | BOD (mg/L) | C.O.D. (mg/l) | Total Coliform (MPN/100ml) | Feacal Coliform (MPN/100ml) | pH                   | DO (mg/L) | BOD (mg/L) | C.O.D. (mg/l) | Total coliform (MPN/100mL) | Feacal Coliform (MPN/100ml) |
| 1        | January   | 7.98                      | 8.3       | 3.8        | 16.0          | 32000                      | 18000                       | 7.98                 | 8.4       | 2.6        | 12.0          | 24000                      | 11000                       |
| 2        | February  | 7.88                      | 8.1       | 3.9        | 18.0          | 34000                      | 20000                       | 7.86                 | 7.8       | 3.2        | 18.0          | 44000                      | 22000                       |
| 3        | March     | 7.86                      | 8.0       | 4.0        | 20.0          | 36000                      | 22000                       | 7.78                 | 7.7       | 3.4        | 20.0          | 48000                      | 24000                       |
|          | April     | 7.80                      | 7.9       | 4.2        | 40.0          | 38000                      | 24000                       | 7.70                 | 7.6       | 3.6        | 22.0          | 50000                      | 26000                       |
| 5        | May       | 7.90                      | 8.0       | 4.0        | 20.0          | 34000                      | 22000                       | 7.82                 | 7.8       | 3.4        | 20.0          | 44000                      | 24000                       |
| 6        | June      | 8.00                      | 8.0       | 4.0        | 18.0          | 36000                      | 23000                       | 7.84                 | 7.9       | 3.6        | 22.0          | 46000                      | 26000                       |
| 7        | July      |                           |           |            |               |                            |                             |                      |           |            |               |                            |                             |
| 8        | August    |                           |           |            |               |                            |                             |                      |           |            |               |                            |                             |
| 9        | September |                           |           |            |               |                            |                             |                      |           |            |               |                            |                             |
| 10       | October   |                           |           |            |               |                            |                             |                      |           |            |               |                            |                             |
| 11       | November  |                           |           |            |               |                            |                             |                      |           |            |               |                            |                             |
| 12       | December  |                           |           |            |               |                            |                             |                      |           |            |               |                            |                             |
| Average  |           | 7.90                      | 8.1       | 4.0        | 22.0          | 35000                      | 21500                       | 7.83                 | 7.9       | 3.3        | 19.0          | 42667                      | 22167                       |
| Category |           | D                         |           |            |               |                            |                             | D                    |           |            |               |                            |                             |

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

A = Drinking water source without conventional treatment but after disinfection

7.9

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

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

Source: [http://www.epcb.nic.in/Water\\_Quality\\_Criteria.php](http://www.epcb.nic.in/Water_Quality_Criteria.php)

Reddy  
(S.A)

(A.S.R.)

(Ch)