



**SPEED POST**

File No. B-190200/STP/WQM-II/CPCB/2020-21 4337-4350

To,

The Agencies  
(As per the list enclosed)

10.08.2020

**COMPLIANCE DIRECTIONS UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986 FOR INSTALLATION OF ONLINE CONTINUOUS EFFLUENT MONITORING SYSTEM (OCEMS) AT SEWAGE TREATMENT PLANTS (STPs)**

**WHEREAS**, the Ministry of Environment & Forests, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any Industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986 and other standards and norms; and

**WHEREAS**, sewage is a major cause for poor water quality and adversely impacts human health and aquatic life. The discharge of untreated and partially treated sewage not meeting standards is further adding to the problem of water pollution and very sizeable gap exist in generation and treatment of sewage; and

**WHEREAS**, there is need to inculcate habit of self-monitoring within the Sewage Treatment Plants (STPs) for complying with the prescribed standards and this can be achieved by the methods like installing Online Continuous Effluent Monitoring System (OCEMS); and

**WHEREAS**, for strengthening the monitoring and compliance through self-regulatory mechanism, OCEMS need to be installed and operated by the agencies responsible for operation and management of STPs on 'polluter pays principle'; and

**WHEREAS**, CPCB vide D.O. dated 08/07/2014 wrote to Chief Secretaries of four States Governments of Ganga basin namely Uttarakhand, Uttar Pradesh, Bihar & West Bengal to direct Urban Development Authorities and Urban Local Bodies to formulate a comprehensive plan for 100% sewage treatment so that no untreated sewage enters any water body and for setting up of Real Time/Continuous Water Quality Monitoring Stations at the outfall of each Drain/STP; and

Cont.

**WHEREAS**, CPCB published guideline for real time effluent monitoring system where STPs have to install real time effluent quality monitoring system and installation should be completed by March 31, 2015. The guideline is available on the link <https://cpcb.nic.in/upload/thrust-area/revised-GUIDELINES-final-sent-for-publication-on07.11.2014.pdf>; and

**WHEREAS**, CPCB issued directions dated 09.10.2015 under Section 5 of the Environment (Protection) Act, 1986 to the Commissioner/Mayor/Chief Executive Officer of the Nagar Nigam/ Municipal Corporation/Local Bodies/Panchayat of the identified 118 Ganga front towns for compliance of the following direction:

- i. At the inlet and outlet of the sewage treatment plant, online monitoring devices should be installed to monitor the consented parameters.

**AND WHEREAS**, CPCB issued directions dated 19.04.2017 under Section 5 of The Environment (Protection) Act, 1986 to Uttarakhand Jal Sansthan, Pey Jal Nigam (Uttarakhand), Uttar Pradesh Jal Nigam, Bihar Rajya Jal Prishad, Kolkata Municipal Development Authority (KMDA), Kolkata Municipal Corporation (KMC), Kolkata Metropolitan Water and Sanitation Authority (KMWSA), Public Health Engineering Department (PHED-WB) and Jiaganj-Azimganj Nagar Palika (WB) to provide the status of installation of online monitoring devices at STPs to monitor consented parameters; and

**WHEREAS**, Hon'ble National Green Tribunal (NGT) in its judgement dated 13/07/2017 in O. A. No. 200/2014 [(M.A. No. 594/2017 & 598/2017) (C.W.P No. 3727/1985)], O. A. No. 501/2014 (M.A. No. 404/2015), O. A. No. 146/2015, Appeal No. 63/2015, O. A. no. 127/2017 and O. A. No. 133/2017 (C.W.P No. 200/2013) directed that "*All the existing STPs as well as the STPs to be designed and constructed should satisfy the existing standards. The new STPs should be designed and constructed in a manner in which they should be able to achieve more stringent norms, if prescribed in future*"

**AND WHEREAS**, the Central Government vide notification dated 13.10.2017 has notified the discharge standard for sewage treatment plants under the Environment (Protection) Rules, 1986; and

**WHEREAS**, Hon'ble NGT vide its order dated 31/08/2018 and 19.02.2019 in O. A. No. 593/2017 (WP (Civil) No. 375/2012), Paryavaran Suraksha Samiti & Anr. Vs. Union of India & Ors. directed that "*The CPCB may take penal action for failure, if any, against those accountable for setting up and maintaining STPs, CETPs and ETPs. CPCB may also assess and recover compensation for damage to the environment and said fund may be kept in a separate account and utilized in terms of an action plan for protection of the environment.*"

**AND WHEREAS**, in compliance of above quoted Hon'ble NGT order, CPCB issued methodology for imposing Environmental Compensation vide circular dated 24/05/2019 and cases to be considered for levying penalty are discharges in violation of consent conditions, mainly prescribed standards/non-compliance with the directions issued, such as direction for closure due to non-installation of OCEMS, non-adherence to action plan submitted/ intentional

avoidance of data submission or data manipulation by tampering the Online Continuous Emission/Effluent monitoring System/Accidental discharges lasting for short durations resulting into damage to the environment/Intentional discharge of the environment-land, water, air resulting into acute injury or damage to the environment/ injection of treated/partially treated/untreated effluents to ground water; and

**WHEREAS**, Hon'ble NGT vide its order dated 06/08/2018 in O. A. No. 200/2014 [(M.A. No. 254/2018 & M.A. No. 872/2018) (C.W.P No. 3727/1985)] and O. A. No. 668 of 2017 [(Earlier M.A. No. 923/2017 in O.A. No. 200/2014)] directed that "*The online mechanism for monitoring the sewage treatment plants should also be connected to the servers of CPCB and State Pollution Control Boards so that the CPCB can also monitor the data.*"

**AND WHEREAS**, CPCB issued directions dated 13.06.2019 under Section 18 (1) (b) of the Water (Prevention And Control of Pollution) Act, to State Pollution Control Boards of Uttarakhand, Uttar Pradesh, Bihar and West Bengal for compliance of the following direction:

1. SPCB shall direct to all concerned local bodies/ authorities operating STPs in their state to install online continuous effluent monitoring system at the outlet of STPs to monitor the consented parameters and provide connectivity to CPCB and SPCB servers for continuous monitoring.

**AND WHEREAS**, Standard Operating Protocol for Verification of Installation and Calibration of UV-Vis Dual Beam Scanning & Multipoint calibration mechanism technology based OCEMS (Effluent) used in Sewage Treatment Plants (STPs) is prepared by CPCB and available on the link [https://cpcb.nic.in/NGTMC/sop\\_ocems\\_stp.pdf](https://cpcb.nic.in/NGTMC/sop_ocems_stp.pdf); and

**WHEREAS**, the Hon'ble NGT vide order dated 21.12.2018 in the O.A. no. 1069/2018 granted stay on discharge standard for sewage treatment plants notified vide notification dated 13.10.2017; and

**WHEREAS**, the Hon'ble NGT in the O.A. no. 1069/2018 vide order dated 30.04.2019 accepted the standards recommended by expert committee (constituted by Hon'ble NGT) with the modification that the standard recommended for Mega and Metropolitan Cities will also apply to the rest of the country, not only for new STPs but also for existing/under construction STPs without any delay. The link of order is as follows <https://greentribunal.gov.in/caseDetails/DELHI/0701102005292018>; and

**WHEREAS**, as per the Hon'ble NGT order dated 30.04.2019, the applicable treated discharge standards for STPs are pH – 5.5-9.0, BOD – 10 mg/l, TSS – 20 mg/l, COD – 50 mg/l, Nitrogen-Total – 10 mg/l, Phosphorus-Total (For Discharge into Ponds, Lakes) – 1.0 mg/l, Faecal Coliform (FC) – 100 MPN/100 ml (Desirable) & 230 MPN/100 ml (Permissible); and

**WHEREAS**, CPCB issued directions dated 26.06.2020 under Section 18 (1) (b) of the Water (Prevention And Control of Pollution) Act, to State Pollution Control Boards of Uttarakhand, Uttar Pradesh, Bihar and West Bengal for compliance of the following direction:

1. No authority shall allow the discharge of polluted sewage or polluted effluents directly into a water channel or stream in violation of the law even during monsoon season and they shall ensure that the standards for Faecal Coliform are duly maintained.

**AND NOW, THEREFORE,** in exercise of powers delegated under Section 5 of the Environment (Protection) Act, 1986 you are directed to comply with the following directions:

- 1) The agency shall install OCEMS system at outlet of STPs located in Ganga front towns (list enclosed) for parameters Flow, pH, BOD, COD, TSS, Ammoniacal Nitrogen and Nitrate Nitrogen and provide connectivity of the same with SPCB and CPCB servers for 24x7 data transmission within six months from the date of issuance of the direction.
- 2) Environmental Lab shall be set up at STPs within six months from the date of issuance of the direction for daily analysis of parameters pH, BOD, COD, TSS, Total Nitrogen and Faecal Coliform and for MLSS and DO, in case STPs having aerobic treatment process, and for Total Phosphorus in case of discharge into Ponds or Lakes. Logbooks of analysis results shall be duly maintained.
- 3) Faecal coliform level in treated sewage effluent shall be updated on real time data acquisition software manually after testing in STP laboratory. At least one sample shall be collected and analyzed on daily basis.
- 4) Action plan for setting up of environmental lab, installation and connectivity of OCEMS shall be submitted to CPCB within 30 days.
- 5) Documentary evidence regarding status of installation of Online Continuous Effluent Monitoring System and its connectivity to CPCB/SPCB servers shall be submitted to CPCB.
- 6) No new STP in Ganga front towns shall be commissioned without installation of OCEMS system.

In case of default in compliance with the above directions, CPCB will be constrained to initiate appropriate action against the agency including levying of Environmental Compensation, without giving any further notice, in accordance with the provision of the Environment (Protection) Act. 1986 and NGT orders.

  
(SHIV DAS MEENA)  
CHAIRMAN

*Asyatu*

**Copy to:**

1. The Principal Secretary/ Secretary  
Urban Development Department/Directorate  
(Uttarakhand, Uttar Pradesh, Bihar, Jharkhand  
& West Bengal) : for kind information  
and necessary action  
please
2. The Chairman  
State Pollution Control Boards  
(Uttarakhand, Uttar Pradesh, Bihar, Jharkhand &  
West Bengal) : with a request to  
ensure compliance of  
the direction
3. The Director General,  
National Mission for Clean Ganga (MoWR, RD & GR)  
1st Floor, Major Dhyan Chand National Stadium  
India Gate, New Delhi – 110002 : for kind information  
please
4. The Joint Secretary (CP Division),  
Ministry of Environment, Forests, & Climate Change  
Indira Paryavaran Bhawan, Jorbagh Road,  
Ali Ganj, Lodi Colony, New Delhi – 110013 : for kind information  
please
5. The Project Director  
State Programme Management Group (SPMG) – Namami  
Gange/ State Mission for Clean Ganga (SMCG)  
(Uttarakhand, Uttar Pradesh, Bihar, Jharkhand  
& West Bengal) : for kind information  
and necessary action  
please
6. The Adviser  
National River Conservation Directorate (NRCD)  
Ministry of Jal Shakti  
Pandit Deendayal Antyodaya Bhawan, CGO Complex,  
Lodhi Road, New Delhi - 110 003 : for kind information  
please
7. The Regional Director,  
Regional Directorate –Lucknow & Kolkata  
Central Pollution Control Board : for kind information  
please
8. ✓ The Incharge, IT Division, CPCB : for uploading on  
website
9. Incharge, WQM-II, CPCB, DELHI : for record

  
**(PRASHANT GARGAVA)**  
**MEMBER SECRETARY**

### **List of Agencies**

1. The Managing Director, Pey Jal Nigam, Uttarakhand
2. The Chief General Manager, Uttarakhand Jal Sansthan, Uttarakhand
3. The General Manager, Indian Drugs and Pharmaceuticals Limited (IDPL), Uttarakhand
4. The Managing Director, Uttar Pradesh Jal Nigam, Uttar Pradesh
5. The Executive Officer, Nagar Palika Parishad Anoopshahr, Uttar Pradesh
6. The General Manager, Diesel Locomotive Works (DLW), Varanasi, Uttar Pradesh
7. The Station Director, Narora Atomic Power Station, Narora, Uttar Pradesh
8. The Managing Director, Bihar Rajya Jal Parshad, Bihar
9. The Managing Director, Bihar Urban Infrastructure Development Corporation Limited (BUIDCO), Bihar
10. The Chief Managing Director, Jharkhand Urban Infrastructure Development Company Limited (JUIDCO), Jharkhand
11. The Chief Executive Officer, Kolkata Metropolitan Development Authority (KMDA), West Bengal
12. The Municipal Commissioner, Kolkata Municipal Corporation, West Bengal
13. The Engineer-In-Chief, Public Health Engineering Department-West Bengal
14. The Executive Engineer, Jiaganj-Azimganj Municipality, West Bengal

**List of STPs in Ganga front towns along with corresponding Agency responsible for Operation and Maintenance**

| S. No. | STPs                             | Ganga Front Town  | Status of STP      | Authority for O&M                   |
|--------|----------------------------------|-------------------|--------------------|-------------------------------------|
| 1.     | Gangotri                         | Gangotri          | Commissioned       | Pey Jal Nigam,<br>Uttarakhand (PJN) |
| 2.     | Badrinath 0.26 MLD STP           | Badrinath         | Commissioned       |                                     |
| 3.     | Chamoli 0.05 MLD STP             | Chamoli-Gopeshwar | Commissioned       |                                     |
| 4.     | Chamoli 0.76 MLD STP             | Chamoli-Gopeshwar | Commissioned       |                                     |
| 5.     | Forest Nala STP                  | Nandprayag        | Commissioned       |                                     |
| 6.     | Sangam Nala STP                  | Nandprayag        | Commissioned       |                                     |
| 7.     | Near Police Chowki STP           | Karanprayag       | Commissioned       |                                     |
| 8.     | Old Bridge STP                   | Karanprayag       | Commissioned       |                                     |
| 9.     | Near Ward 1 & 3 STP              | Karanprayag       | Commissioned       |                                     |
| 10.    | Near SBI Bank STP                | Rudraprayag       | Commissioned       |                                     |
| 11.    | Near Dart Pull STP               | Rudraprayag       | Commissioned       |                                     |
| 12.    | Army Bend STP                    | Rudraprayag       | Commissioned       |                                     |
| 13.    | Anoop Negi Memorial School STP   | Rudraprayag       | Commissioned       |                                     |
| 14.    | Tekla STP                        | Uttarkashi        | Commissioned       |                                     |
| 15.    | Srinagar 3.5 MLD                 | Srinagar          | Commissioned       |                                     |
| 16.    | Srinagar 1.0 MLD                 | Srinagar          | Commissioned       |                                     |
| 17.    | Kirtinagar                       | Kirti Nagar       | Commissioned       |                                     |
| 18.    | Muni ki Reti                     | Rishikesh         | Commissioned       |                                     |
| 19.    | Old Mothrowala 20 MLD            | Dehradun          | Commissioned       |                                     |
| 20.    | New Mothrowala 20 MLD            | Dehradun          | Commissioned       |                                     |
| 21.    | Jakhan                           | Dehradun          | Commissioned       |                                     |
| 22.    | Salawala                         | Dehradun          | Commissioned       |                                     |
| 23.    | Vijay Colony                     | Dehradun          | Commissioned       |                                     |
| 24.    | Indira Nagar                     | Dehradun          | Commissioned       |                                     |
| 25.    | Sarai Jawalapur 14 MLD           | Haridwar          | Under Trial        |                                     |
| 26.    | Subhash Nagar STP                | Karanprayag       | Under Trial        |                                     |
| 27.    | Near Steel Bridge                | Rudraprayag       | Under Trial        |                                     |
| 28.    | Badrinath 0.01 MLD               | Badrinath         | Under Trial        |                                     |
| 29.    | Badrinath 1.0 MLD                | Badrinath         | Under construction |                                     |
| 30.    | BRO Bridge STP                   | Karanprayag       | Under construction |                                     |
| 31.    | Near Balini Road                 | Rudraprayag       | Under construction |                                     |
| 32.    | Jageetpur 68 MLD                 | Haridwar          | Under construction |                                     |
| 33.    | Chandreshwar STP                 | Rishikesh         | Under construction |                                     |
| 34.    | Lakkarghat New 26 MLD            | Rishikesh         | Under construction |                                     |
| 35.    | Vivekanand colony 1.19 MLD       | Gopeshwar         | Under construction |                                     |
| 36.    | Deendayal Upadhyay park 1.12 MLD | Gopeshwar         | Under construction |                                     |
| 37.    | Pokhri Band 1.25 MLD             | Gopeshwar         | Under construction |                                     |
| 38.    | Joshimath 1.08 MLD               | Joshimath         | Commissioned       | Uttarakhand Jal<br>Sansthan (UJS)   |
| 39.    | Gyansu                           | Uttarkashi        | Commissioned       |                                     |
| 40.    | Tehri                            | Tehri             | Commissioned       |                                     |
| 41.    | Kirti Nagar                      | Kirti Nagar       | Commissioned       |                                     |
| 42.    | Bah Bazar Devprayag              | Devprayag         | Commissioned       |                                     |
| 43.    | Sangam Bazar Devprayag           | Devprayag         | Commissioned       |                                     |
| 44.    | Shanti Bazar Devprayag           | Devprayag         | Commissioned       |                                     |
| 45.    | Tapovan                          | Tapovan           | Commissioned       |                                     |
| 46.    | Swarg Ashram Rishikesh           | Rishikesh         | Commissioned       |                                     |
| 47.    | Lakkarghat, Rishikesh 6.0 MLD    | Rishikesh         | Commissioned       |                                     |
| 48.    | Jageetpur, Haridwar 27 MLD       | Haridwar          | Commissioned       |                                     |
| 49.    | Jageetpur, Haridwar 18 MLD       | Haridwar          | Commissioned       |                                     |
| 50.    | Sarai, Jawalapur STP 18 MLD      | Haridwar          | Commissioned       |                                     |
| 51.    | Kargi                            | Dehradun          | Commissioned       |                                     |
| 52.    | Bijnor                           | Bijnor            | Commissioned       |                                     |
| 53.    | Brajhat STP                      | Garhmukteshwar    | Commissioned       |                                     |
| 54.    | Garh STP                         | Garhmukteshwar    | Commissioned       |                                     |
| 55.    | Narora Town                      | Narora            | Commissioned       |                                     |

|      |                                  |                        |                                |   |
|------|----------------------------------|------------------------|--------------------------------|---|
| 56.  | Fatehgarh                        | Farrukhabad            | Commissioned                   |   |
| 57.  | Kannauj                          | Kannauj                | Commissioned                   |   |
| 58.  | Jajmau, Kanpur 5 MLD             | Kanpur                 | Commissioned                   |   |
| 59.  | Jajmau, Kanpur 130 MLD           | Kanpur                 | Commissioned                   |   |
| 60.  | Jajmau, Kanpur 43 MLD            | Kanpur                 | Commissioned                   |   |
| 61.  | Bingawan STP, Kanpur             | Kanpur                 | Commissioned                   |   |
| 62.  | Sajari STP, Kanpur               | Kanpur                 | Commissioned                   |   |
| 63.  | Salori 29 MLD Prayagraj          | Prayagraj              | Commissioned                   |   |
| 64.  | Salori 14 MLD Prayagraj          | Prayagraj              | Commissioned                   |   |
| 65.  | Rajapur, Prayagraj               | Prayagraj              | Commissioned                   |   |
| 66.  | Pongaghat, Prayagraj             | Prayagraj              | Commissioned                   |   |
| 67.  | Kodra, Prayagraj                 | Prayagraj              | Commissioned                   |   |
| 68.  | Naini Prayagraj                  | Prayagraj              | Commissioned                   |   |
| 69.  | Numayadahi STP, Prayagraj        | Prayagraj              | Commissioned                   |   |
| 70.  | Mirzapur (Pakka Pokhra)          | Mirzapur               | Commissioned                   |   |
| 71.  | Vindhayachal                     | Mirzapur               | Commissioned                   |   |
| 72.  | Dinapur                          | Varanasi               | Commissioned                   |   |
| 73.  | Dinapur                          | Varanasi               | Commissioned                   |   |
| 74.  | Bhagwanpur BHU                   | Varanasi               | Commissioned                   |   |
| 75.  | Goithaha                         | Varanasi               | Commissioned                   |   |
| 76.  | New Naini 42 MLD                 | Prayagraj              | Under Construction             |   |
| 77.  | Phaphamau STP 14 MLD             | Prayagraj              | Under Construction             |   |
| 78.  | Ramanna 50 MLD                   | Varanasi               | Under Construction             |   |
| 79.  | Ramnagar 10 MLD                  | Varanasi               | Under Construction             |   |
| 80.  | Anoopsahar Zone B (old) 1.75 MLD | Anupshahr              | Commissioned                   | Anoopshahr Nagar Palika, Bulandshahr                            |
| 81.  | Anoopsahar Zone A (old) 0.85 MLD | Anupshahr              | Commissioned                   |   |
| 82.  | Anoopsahar Zone B (new) 1.5 MLD  | Anupshahr              | Commissioned                   |   |
| 83.  | Anoopsahar Zone A (new) 1 MLD    | Anupshahr              | Commissioned                   |   |
| 84.  | Beur STP (OLD), Patna, Bihar     | Patna                  | Commissioned – Non Operational | Bihar Rajya Jal Parishad (BRJP), Patna                          |
| 85.  | Saidpur STP (OLD)                | Patna                  | Commissioned – Non-Operational |   |
| 86.  | Saidpur                          | Patna                  | Under Construction             | Bihar Urban Infrastructure Development Corporation (BUIDCO)     |
| 87.  | Karmalichak                      | Patna                  | Under Construction             |   |
| 88.  | Beur                             | Patna                  | Under Construction             |   |
| 89.  | Pahari                           | Patna                  | Under Construction             |   |
| 90.  | Digha                            | Patna                  | Under Construction             |   |
| 91.  | Kankarbagh                       | Patna                  | Under Construction             |   |
| 92.  | Maner                            | Maner (Patna)          | Under Construction             |   |
| 93.  | Danapur                          | Danapur (Patna)        | Under Construction             |   |
| 94.  | Bakhtiyarpur                     | Bakhtiyarpur (Patna)   | Under Construction             |   |
| 95.  | Barh                             | Barh (Patna)           | Under Construction             |   |
| 96.  | Mokama                           | Mokama (Patna)         | Under Construction             |   |
| 97.  | Bhagalpur                        | Bhagalpur              | Under Construction             |   |
| 98.  | Munger                           | Munger                 | Under Construction             |   |
| 99.  | Fatuha                           | Fatuha (Patna)         | Under Construction             |   |
| 100. | Chapra                           | Chapra                 | Under Construction             |   |
| 101. | Begusarai                        | Begusarai              | Under Construction             |   |
| 102. | Khagaria                         | Khagaria               | Under Construction             |   |
| 103. | Sultanganj                       | Sultanganj (Bhagalpur) | Under Construction             |   |
| 104. | Phulwari Sharif                  | Patna                  | Under Construction             |   |
| 105. | Beur, Pulwari Sharif             | Patna                  | Under Construction             |   |
| 106. | Serinpur                         | Buxar                  | Under Construction             |   |
| 107. | Sonepur                          | Sonepur (Saran)        | Under Construction             |   |
| 108. | Hajipur                          | Hajipur (Vaishali)     | Under Construction             |   |
| 109. | STP Near Brhambaba               | Sahibganj              | Under Trial                    | Jharkhand Urban Infrastructure Development Corporation (JUIDCO) |
| 110. | STP near Chanan                  | Sahibganj              | Under Trial                    |   |
| 111. | Rajmahal STP                     | Rajmahal               | Under Construction/Trial       |   |



|      |  |                  |              |  |  |
|------|--|------------------|--------------|--|--|
| 112. | Titagarh (ASP)   | Titagarh         | Commissioned | Kolkata Municipal<br>Development<br>Authority (KMDA)             |  |
| 113. | Titagarh (OP)  | Titagarh         | Commissioned |  |  |
| 114. | Bansberia STP  | Bansberia        | Commissioned |  |  |
| 115. | Kamarhati STP  | Kamarhati        | Commissioned |  |  |
| 116. | Garulia STP  | Garulia          | Commissioned |  |  |
| 117. | Maheshtala STP   | Maheshtala       | Commissioned |  |  |
| 118. | Bhadreswar STP   | Bhadreshwar      | Commissioned |  |  |
| 119. | Baidyabati STP   | Baidyabati       | Commissioned |  |  |
| 120. | Howrah STP (Arupara)                                       | Howrah           | Commissioned |  |  |
| 121. | Kona STP (Chakpara, Anandanagar<br>Gram, Bally) Panchayat) | Howrah           | Commissioned |  |  |
| 122. | Champadani   | Champdani        | Commissioned |  |  |
| 123. | Panihati STP   | Panihati         | Commissioned |  |  |
| 124. | Gayeshpur, Halishar & Kanchrapara                          | Kanchrapara      | Commissioned |  |  |
| 125. | Serampore STP  | Serampore        | Commissioned |  |  |
| 126. | Konnagar (Rishra)  | Konnagar         | Commissioned |  |  |
| 127. | Naihati STP  | Naihati          | Commissioned |  |  |
| 128. | Chandannagar STP (OP)                                      | Chandannagar     | Commissioned |  |  |
| 129. | Chandannagar STP (TF)                                      | Chandannagar     | Commissioned |  |  |
| 130. | Jaggadal – Bhatpara 8.5 MLD                                | Bhatpara         | Commissioned |  |  |
| 131. | Jaggadal – Bhatpara 31 MLD                                 | Bhatpara         | Commissioned |  |  |
| 132. | Jagaddal, Bhatpara 10 MLD                                  | Bhatpara         | Commissioned |  |  |
| 133. | Jaggadal – Bhatpara (OP)-0.5 MLD                           | Bhatpara         | Commissioned |  |  |
| 134. | Kankinara, Madrail,  | Bhatpara         | Commissioned |  |  |
| 135. | Kalyani Block-B2, B3 11 MLD                                | Kalyani          | Commissioned |  |  |
| 136. | Kalyani Town area 10 MLD                                   | Kalyani          | Commissioned |  |  |
| 137. | Bandipur STP   | Titagarh         | Commissioned |  |  |
| 138. | Garden Reach STP   | Kolkata          | Commissioned |  | Kolkata Municipal<br>Corporation (KMC)                     |
| 139. | Cossipore, Chitpur, Bangur                                 | Kolkata          | Commissioned |  |  |
| 140. | South Suburban /Kearapukur,<br>Haridevpur                  | South Suburban   | Commissioned |  |  |
| 141. | Bagahajatin STP  | Kolkata          | Commissioned |  |  |
| 142. | Hatisur  | Kolkata          | Commissioned |  |  |
| 143. | Berhrampore  | Murshidabad      | Commissioned |  |  |
| 144. | Nabadwip   | Nabadwip         | Commissioned |  | Public Health<br>Engineering<br>Department, West<br>Bengal |
| 145. | STP Jiaganj-Azimganj                                       | Jiaganj-Azimganj | Commissioned | Jiaganj-Azimganj<br>Municipality,<br>Murshidabad, West<br>Bengal |  |
| 146. | NAPS Township  | Narora           | Commissioned | Narora Atomic Power<br>Station                                   |  |
| 147. | IDPL STP   | Rishikesh        | Commissioned | Indian Drug and<br>Pharmaceutical Limited<br>(IDPL)              |  |
| 148. | DLW STP  | Varanasi         | Commissioned | Diesel Locomotive<br>Works, Indian<br>Railways                   |  |