HEAD OFFICE
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

PARYAWAS BHAWAN, SECTOR- 19
NAVA RAIPUR ATAL NAGAR, RAIPUR (C.G.)
Email - hocecb@gmail.com

No.6447 / TECH / H.O. / CECB / 2021 Raipur, Dated:29/11/2021

To,

Secretary,
Government of India,
Ministry of Jal Shakti,
Department of Water Resources,
River Development & Ganga Rejuvenation,
Shram Shakti Bhawan, Rafi Marg,
New Delhi - 110 001

Sub. : - Submission of information by the states in the matter of Hon'ble NGT O.A. No. 673/2018.

Ref. : - 1. Minuts of the 1st meeting of Central Monitoring Committee held on 08/01/2020.

2. Your letter no. D.O. No.Legal / OA / 673/ 2018/ NMCG / 2019 Dated 22/01/2020.

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With reference to your letter on the above subject, the compliance report of action plan prepared in the matter of Hon'ble NGT O.A. No. 673/2018 in prescribed format for the month of October, 2021 is enclosed with this letter for your information and necessary action please.

Enclosed :- As above.

Member Secretary
pp Chhattisgarh Environment Conservation Board
Nava Raipur Atal Nagar, Raipur (C.G.)

Endt. No. / TECH / H.O. / CECB / 2021 Raipur, Dated: / / 2021

Copy to :-

1. Secretary, Govt. of Chhattisgarh, Housing and Environment Department, Mantralaya, Mahanadi Bhawan, Nava Raipur Atal Nagar for information please.
2. Member Secretary, Central Pollution Control Board, 'Parivesh Bhawan' C.B.D.Cum-Office Complex, East Arjun Nagar, Shahdara, Delhi for information please.

Member Secretary
Chhattisgarh Environment Conservation Board
Nava Raipur Atal Nagar, Raipur (C.G.)

Monthly Progress Report for the month of October, 2021 in the matter of Hon'ble NGT OA No. 673 of 2018 order Dated 24/09/2020 for the State of Chhattisgarh

Overall status of the State

I. **Total Population :** Urban Population – 59,37,237 (as per 2011 census)
Rural Population – 1,96,07,961 (as per 2011 census)

II. **Estimated Se wage Generation (MLD) :** 48.50 MLD (For Bilaspur only as the sewerage system exists in Bilaspur only.)

III. **Details of Sewage Treatment Plant**

- **Existing no. of STPs and Treatment Capacity (in MLD) :** 03 STPs with total treatment capacity of 73.1 MLD
- **Capacity Utilization of existing STPs :** 7.6 MLD, Trunk line laying work of about 0.73 km has been completed and 2.77 km will be completed by December, 2022.
- **MLD of sewage being treated through Alternate technology :** 1.94 MLD of septage from all the 166 ULBs is being treated through FSTPs (Low-cost gravity based Phytorid technology) and co-treatment with STPs. The details pertaining utilization of FSTP's and STP (cotreatment) in treatment of Septage generated is attached as **Annexure – 1.**
- **Gap in Treatment Capacity in MLD :** NIL
- **No. of Operational STPs :** 03
- **No. of Complying STPs :** 03
- **No. of Non-complying STPs :** NIL

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilization	Operational Status of STP	Compliance Status of STP
1	Chilhati (Bilaspur)	17 MLD	3.5 MLD	Operational	Complied
2	Domuhani (Bilaspur)	54 MLD	2.5 MLD	Operational	Complied
3	Mini Mata Chowk (Kawardha)	2.1 MLD	1.6 MLD	Operational	Complied

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Bhatagaon (Raipur)	06 MLD	100% completed	100%	30.06.2021
2	Chandandih (Raipur)	75 MLD	85% completed	50% work of diversion weir has been completed.	
3	Kara (Raipur)	35 MLD	85% completed		
4	Nimora (Raipur)	90 MLD	85% completed		
5	Bade Atarmoda (Raigarh)	07 MLD	86% completed	73% construction work of diversion weir has been completed.	
6	Banjipali (Raigarh)	25 MLD	91% completed		

Details of proposed STPs in the State

Sr.No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	Kanker	7.8 MLD	Work Awarded to the appointed contractor (7% work completed)	30.06.2023 (i.e. 3 years after approval of DPR from state finance department)
2	Dhamtari	19.6MLD	Work Awarded to the appointed contractor Drawing and Design has been approved	
3	Simga	2.8 MLD	Work Awarded to the appointed contractor Drawing and Design has been approved	
4	Nawapara	7.5 MLD	Work Awarded to the appointed contractor (10% work completed)	
5	Rajim	2.8 MLD	Work Awarded to the appointed	

			contractor, and Excavation work started. (02% work completed)	
6	Korba	35 MLD	➢ A meeting has been conducted under the Chairmanship of Additional Chief Secretary, Govt. of Chhattisgarh on 12/01/2021. In this meeting, it has requested to M/s NTPC Korba to follow the tariff policy published in the Gazette of India and enter into an agreement with Municipal Corporation Korba, so the Hon'ble NGT order may be complied. ➢ In this context, a letter has been sent to Ministry of Power, Govt. of India & Ministry of Jal Shakti, Govt. of India for their intervention on this matter and kindly direct M/s NTPC Korba to take immediate action, so the direction of Hon'ble N.G.T. can be complied with. ➢ In the 2nd meeting under	31.03.2024 (i.e. 3 years after approval of DPR by NTPC Authority)

			the chairmanship of Secretary, CGUAD through video conferencing on 19.08.2021, M/s NTPC has agreed with the new proposal of STP with capacity of 25 MLD. With the new proposal all the above mentioned issues raised by M/s NTPC were resolved. M/s NTPC has given its confirmation about the fund allocation (25% of project cost) for the construction of STP. DPR preparation for the 25 MLD STP in Fixed Cost Model is in progress.	

IV. Details of Industrial Pollution :

- **No. of industries in the State :** 6475
- **No. of water polluting industries in the State :** 1012
- **No. of water polluting industries in the polluted river stretches :** 178
- **Quantity of effluent generated from the industries in polluted river stretches in MLD :** 132.42 MLD
- **Quantity of ETP Sludge generated from the Industries in TPD :** 138.5 kg per tonnes of production in plant where ETP has been provided
- **Number of industrial units having ETPs :** 916
- **Number of industrial units connected to CETP :** There is no CETP is in the state of Chhattisgarh. All the water polluting industries have their own ETPs.
- **Compliance status of the ETPs :** All the ETPs which are operational are complying with the effluent standards.
- **Number and total capacity of CETPs (details of existing/ under construction / proposed) :** Presently there is no CETP is under construction.
- **Status of compliance and operation of the CETPs :** Not Applicable

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
NA	NA	NA	NA	NA

V. Solid Waste Management

- **Total number of Urban Local Bodies and their Population :** There are total 166 Urban Local Bodies with a population of 59,37,237 as per census 2011.
- **Current municipal solid waste generation :** 1650 TPD of solid waste is generated and treated daily.
- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc :** In 164 ULBs (356 MRFs, 164 decentralized composting unit) and in Raipur & Bilaspur ULBs (2 Integrated Solid Waste Management facility) are operational. Under Mission Clean City (MCC), 164 ULBs in the State are collecting segregated waste separately and transport the same on daily basis in compartmentalized tricycles and mini tippers. The dry fraction is being segregated at SLRM centres into various usable fractions and sold to waste recyclers. The wet fraction is being converted in compost.
- **Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) :** The MSW treatment facilities are designed considering future population growth of the ULBs and there is no gap in municipal solid waste management in the ULBs.
- **No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) :** As per the short-term plan, C&D waste

management facilities have been established in the existing SLRM centres of all 166 ULBs of Chhattisgarh and approx. 210 ton per day (TPD) is processed.

- Status of Construction and Demolition Waste Management in the polluted river stretches :

Sl. No.	Name of the River Stretch	C&D Waste Generated	Collected/ Primary Processed	Gap
1.	River Hasdeo (Korba to Urga)	9.8 TPD	9.8 TPD	Nil
2.	River Kharoon (Bhatagaon to Bendri)	77.5 TPD	77.5 TPD	Nil
3.	River Mahanadi (Sihawa to Arrang)	2 TPD	2 TPD	Nil
4.	River Seonath (Simga to Bemta)	0.3 TPD	0.3 TPD	Nil
5.	River Kelo (Raigarh to Kanaktora)	8.7 TPD	8.7 TPD	Nil

- **Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source :** There are 3217 wards with100% door to door collection services and 100 % source segregation.

- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) :** MSW treatment facilities are constructed and operational in all the ULBs and there is no such MSW treatment facilities proposed or under construction at present.

- **No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills :** NIL

  (As Mission Clean City (MCC) model is implemented in all the ULBs of the state)

- **No. and area (in acres) of legacy waste within 1km buffer of both sides of the rivers :**

Sr. No.	River Name	ULB	No. of Legacy waste dump site	Area of Legacy Waste
1	Kharun	Raipur	1	28.85 Acre
2	Kelo	Raigarh	1	06.65 Acre
3	Hasdeo	Korba	1	10.20 Acre

- **No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:** 63 drains are falling into the 5 river stretches from 8 ULBs and a total of 97 screens are installed covering all the 5 rivers to prevent falling of solid waste into them.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities (No.s)	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Raipur	500 TPD	500 TPD	1	550 TPD	-
Dhamtari	22.82 TPD	22.82 TPD	11	29.5 TPD	
Raigarh	41.6 TPD	41.6 TPD	11	44.5 TPD	
Korba	100 TPD	100 TPD	27	121.5 TPD	
Kanker	5.75 TPD	5.75 TPD	4	16.5 TPD	
Nawapara	6.17 TPD	6.17 TPD	4	16.5 TPD	
Rajim	4.82 TPD	4.82 TPD	2	9.5 TPD	
Simga	3.09 TPD	3.09 TPD	2	9.5 TPD	

VI. Bio-medical Waste Management :-

- **Total Bio-medical generation:** 19.83 Tonnes per day
- **No. of Hospitals and Health Care Facilities :** Government HCFs – 1020
  Private HCFs – 3562
- **Status of Treatment Facility/ CBMWTFs :** Out of 19.83 TPD of Bio-Medical Wastes, about 9.75 TPD wastes is being disposed off in the CBWTF operating in the State. Remaining wastes i.e. 10.08 TPD is disposed off in the premises of HCFs only.

  04 new CBWTFs are to be established in the State. After their installation and commissioning all the Bio-Medical Wastes generated in the State is expected to be disposed off fully in the CBWTF itself only.

  Ambikapur and Bastar : Environmental Clearance and Consent to Establish issued for CBWTFs facility at Kondagaon, Bastar Division. Facility is under construction. For CBWTFs facility at Ambikapur, TOR for conduction of EIA study was issued on 11/09/2019 and public hearing has been conducted on 24/11/2020. After receipt of application for environmental clearance and Consent to Establish, the same shall be issued. Earlier expected date of completion was December 2020. Due to COVID-19 Pandemic, delay has been occurred. CECB has requested Hon'ble NGT, Principal Bench, New Delhi for the grant of extension of timelines as per above vide letter dated 10/12/2020. Expected date of completion: June 2022.

  Raigarh and Korba : For CBWTFs facility at Korba and Raigarh, TORs for conduction of EIA study were issued on 27/08/2020 and 30/09/2020 respectively. After receipt of application for environmental clearance and Consent to Establish, the same shall be issued. Due to COVID-19 Pandemic, delay has been occurred. CECB has requested Hon'ble NGT, Principal Bench, New Delhi for the grant of extension of timelines as per above vide letter dated 10/12/2020. Expected date of completion: June 2022.

VII. Hazardous Waste Management :

- **Total Hazardous Waste generation per year :** 172437.78 Metric Tonnes
- **No. of Industries generating Hazardous waste :** 413
- **Treatment Capacity of all TSDFs :** NIL
- **Avg. Quantity of Hazardous waste reaching the TSDFs and Treated :** NIL
- **Details of on-going or proposed TSDF :** Owing to the continuous follow up and pursuance of CECB, the setting-up of Common Hazardous Waste TSDF has been initiated by Chhattisgarh State Industrial Development Corporation (CSIDC) under the guidance of Department of Commerce and Industry, Govt. of Chhattisgarh. As per the information received from CSIDC the expected timelines are as follows:
  - Execution of the Agreement between the operator (M/s Ramky Enviro Engineers) and CSIDC by 15/12/2020.
  - Incorporation of the JV Company by 30/12/2020.
  - Execution of the Concession Agreement by 11/01/2021.
  - Handling over of the possession of the land to JV by 18/01/2021.

  The JV will establish TSDF facility within 15 months from the date of handling over the possession of land.

VIII. Plastic Waste Management

- **Total Plastic Waste generation:** 130 TPD (Plastic waste is being treated in all the 166 ULBs of Chhattisgarh).
- **Treatment/ Measures adopted for reduction or management of plastic waste :** Recyclable plastic waste is being sold to authorized recycles and the non-recyclable plastic waste is being sent to Cement industries for coprocessing in Cement Kiln.

IX. Details of Alternate Treatment Technology being adopted by the State/UT :

FSTP based on Low-cost gravity based Phytorid technology are operational in all ULBs for treatment of Septage generated in the ULBs. All the cities under polluted river stretches are under the 100% septage management scheme. Hence no future plans for Sewage network and house connections.

FSTP DETAILS

ULB	FSTP Location with Model	Current FSTP Capacity (KLD)
Raipur	Co-treatment with NRDA STP	276
Dhamtari	Danitola Trenching Ground Dhamtari	08
Raigarh	Low-Cost gravity Phytorid treatment plant at Transport Nagar, Raigarh	80
Korba	Co-treatment with Balco STP and 08 KLD Low-Cost gravity Phytorid treatment plant.	115

Kanker	Low-Cost gravity Phytorid treatment plant at Albelapara, Kanker	08
Navapara	Low-Cost gravity Phytorid treatment plant near Tarrigram, Gobra Navapara	05
Rajim	Low-Cost gravity Phytorid treatment plant at Ward No. 01, Rajim	03
Simga	Low-Cost gravity Phytorid treatment plant at Ward No. 10, Ekta Nagar, Simga	05

X. **Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:** All the polluting sources under the ULB limits have been identified and installation of floating racks/screens to prevent solid waste from falling into the rivers has been done.

Progress by UAD			
ULB Name	**No. of Drains**	**No. of Drains having screens**	**No of screens Installed**
Raipur	6	6	29
Dhamtari	4	4	7
Raigarh	12	12	35
Korba	19	19	35
Kanker	7	7	7
Nawapara	7	7	12
Rajim	4	4	4
Simga	4	4	4
TOTAL	**63**	**63**	**133**

XI. **Details of Nodal Officer appointed by Chief Secretary in the State/UT :**

- The following Secretaries are responsible for the compliance of order dated 06/12/2019 in the matter of Hon'ble NGT 673/2018.

1. Secretary, Agriculture Department
2. Secretary, Urban Administration and Development
3. Secretary, Department of Forest
4. Secretary, Department of Water Resource
5. Secretary, Department of Housing and Environment
6. Secretary, Department of Home (Transport)
7. Member Secretary, Chhattisgarh Environment Conservation Board.

- Also, Chief Secretary has formed Implementation Cell in their office vide order dated 25/05/2019 for implementation of orders and action plans prepared.

XII. **Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: :**

Chief Secretary takes review meeting of the secretaries of the concerned department from time to time. Last meeting under the Chairmanship of Chief Secretary, Government of Chhattisgarh has been held on 08/12/2020.

XIII. **Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river :**

Attached as **Annexure – 2.**

XIV. **Ground water regulation:** State Government has adopted a unique scheme Narwa, Garuwa, Ghuruwa and Badi in which under the Narwa component Water Resource Department has proposed various structures on small and big nallahs of all the 146 blocks of the state for recharging ground water.

XV. **Good irrigation practices being adopted by the State:**

- Water Resource Department is encouraging practices for optimum utilization of irrigation water and adopting micro irrigation schemes which results in more crop per drop as per available resources.
- An action plan has been prepared with the help of Agricultural Scientists. The use of water per hectare will be reduced by installation of drip in 1606 hectare area and sprinkler in 3800 hectare area in selected river stretches. Presently, 66.30 hectare area is covered by drip and 257.21 hectare area is covered by sprinkler system for different crops.

XVI. **Rainwater Harvesting:**

Progress by UAD				
ULB Name	**Target**	**Completed**	**In Progress**	**Timeline**
Raipur	9586	4875	4711	December, 2021
Dhamtari	1140	1064	76	December, 2021
Raigarh	579	579	0	Achieved
Korba	1535	926	609	December, 2021
Kanker	108	108	0	Achieved
Nawapara	108	92	16	December, 2021
Rajim	148	126	22	December, 2021
Simga	166	92	74	December, 2021
Total	**13370**	**7862**	**5508**	

- Installation of rain water harvesting structure is under progress. Status of installation is as follows:-
- **By industries**: CECB has imposed condition regarding rain water harvesting by industries within their premises and the same is being

followed by the concerned industries. Regular monitoring is being carried out for verification of the same. As per information available with CECB rain water harvesting system has been installed 425 large/medium industries and 1420 small scale industries. In addition, it has been decided to keep space (5% of total areas / minimum 05 plots) for rain water harvesting in future industrial areas.

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Progress by UAD		
ULB Name	**Encroachment identified**	**Encroachment removed**
Raipur	Nil	Nil
Dhamtari	Nil	Nil
Raigarh	14	11
Korba	8	8
Kanker	1	1
Nawapara	Nil	Nil
Rajim	Nil	Nil
Simga	4	4
TOTAL	**27**	**24**

XVIII. Maintaining minimum e-flow of river : : There is no mandatory law specifying the level of e-flow to be maintained in the river. Water resource department is maintaining e-flow depending on the availability of water in the structure and conditional requirement. Also Water Resource Department had prepared standard operating procedures (SOP) for the five rivers Seonath, Mahanadi, Kharun, Kelo and Hasdeo for maintaining e-flow in the rivers and the same is being followed.

XIX. Plantation activities along the rivers : The present status of plantation is as follows :-

Hasdeo: 6.50 hectare (7150 no. of plants) has been covered with plantation in Korba to Urga river Stretch of Hasdeo.

Kharun: 141.160 hectare (248602 no. of plants) has been covered with plantation in Kharun river stretches.

Mahanadi: 13 hectare (14300 no. of plants) has been covered with plantation in Sihawa to Aarang river stretch.

Kelo: 8.50 hectare (16388 no. of plants) has been covered with plantation in Raigarh to Kankatora river Stretch.

Seonath: Area not available for plantation between Bemta to Simga river stretch of Seonath.

Progress by UAD		
ULB Name	**Identified area (Flood zone) along the rivers**	**Plantation activities done by ULBs**
Raipur	10	Nil All the flood zones are in low lying places
Dhamtari	Nil	Nil
Raigarh	1	7500
Korba	4	3150
Kanker	5	250
Nawapara	6	1065
Rajim	2	320
Simga	2	250
TOTAL	**30**	**12535**

XX. **Development of biodiversity park on flood plains by removing encroachments :** : Status of Identification and removal of encroachment from banks of the river is given above. After removal of all encroachments the plantation shall be done along the banks of the river.

XXI. **Reuse of Treated Water :** All the proposed STPs in the 5 polluted river stretches are under construction & tender phase. Treated waste water will be utilized after the completion of construction works of STPs.

XXII. **Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:** : State government has prepared action plan for 05 identified polluted river stretches of Chhattisgarh State. Actions as per the action plan are being implemented to achieve the bathing quality standards for the polluted river Stretches.

XXIII. **Status of Preparation of Action Plan by the 13 Coastal States :** Not applicable for the State of Chhattisgarh.

XXIV. **Regulation of Mining Activities in the State/UT :** At present Double carbon printed copies of the Transit Passes are checked by the field staff and members of Flying Squad. In cases where the Transit Passes are tempered in anyways viz, cutting or overwriting, the vehicles are seized for Illegal Mining/Transportation. However, the State would like to submit that for effective monitoring of Sand Mines, amply equipped Modernized Check Posts and Departmental Monitoring Units with new Departmental Officers/Inspectors and new Departmental technical staff at all levels is needed. As per MMDR, 1957 Act 21, cases of Illegal Mining and Transportation are registered.

XXV. **Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring :** Urban local bodies are regularly registering cases and imposing fines/penalties against

identified polluters and law violators for disposal of waste in rivers as well as in municipal drains.

Details of case registered, and amount of fines/penalties collected are as follows: -

Progress by UAD		
ULB Name	**No. of Cases registered**	**Amount of fine collected (INR)**
Raipur	1131	3,51,390.00
Dhamtari	313	80,900.00
Raigarh	3665	7,80,00.00
Korba	246	3,01,830.00
Kanker	351	96,460.00
Nawapara	89	83,620.00
Rajim	55	16,050.00
Simga	6	1,400.00
TOTAL	**5,856**	**17,11,650.00**

Annexure 1

Utilization capacity of STP's (co treatment) in treatment of Septage.

Sr No.	ULB Name	Type of Treatment Plant	Permissible Capacity for treatment of STP (in KLD)	Capacity Utilized (in KLD)
1	Bhilai Nagar	Co treatment with STP	144	110
2	Bilaspur	Co treatment with STP	7100	96.5
3	Durg	Co treatment with STP	70	65
4	Kawardha	Co treatment with STP	210	10
5	Korba	Co treatment with STP	100	80
6	Raigarh	Co treatment with STP	50	41
7	Raipur	Co treatment with STP	957	854
8	Risali	Co treatment with STP	50	15
TOTAL			8681 KLD	1271.5 KLD

Utilization capacity of FSTP's in treatment of Septage.

Sr No.	ULB Name	Type of Treatment Plant	Capacity of FSTP (KLD)	Capacity Utilized (in KLD)
1	Aamadi	FSTP	3.0	2.7
2	Abhanpur	FSTP	3.0	2.7
3	Adbhar	FSTP	3.0	2.0
4	Ahiwara	FSTP	5.0	4.5
5	Akaltara	FSTP	5.0	4.1
6	Ambagarh Chowki	FSTP	3.0	1.4
7	Ambikapur	FSTP	20.0	18.5
8	Antagarh	FSTP	3.0	2.7
9	Arang	FSTP	5.0	4.5
10	Arjunda	FSTP	3.0	2.7
11	Bade Bacheli	FSTP	5.0	4.5
12	Bagbahara	FSTP	15.0	13.5
13	Bagicha	FSTP	3.0	3.0
14	Baikunthpur	FSTP	3.0	3.0
15	Balod	FSTP	5.0	4.5
16	Baloda	FSTP	3.0	1.4
17	Baloda Bazar	FSTP	8.0	7.2
18	Balrampur	FSTP	3.0	3.0
19	Baramkela	FSTP	3.0	1.2
20	Barsur	FSTP	3.0	2.7
21	Basna	FSTP	3.0	2.7
22	Bastar	FSTP	3.0	2.7
23	Bemetara	FSTP	5.0	4.5

Sr No.	ULB Name	Type of Treatment Plant	Capacity of FSTP (KLD)	Capacity Utilized (in KLD)
24	Berla	FSTP	3.0	2.7
25	Bhairamgarh	FSTP	3.0	2.7
26	Bhakhara	FSTP	3.0	2.7
27	Bhanupratappur	FSTP	3.0	2.7
28	Bhatapara	FSTP	8.0	7.2
29	Bhatgaon	FSTP	3.0	2.7
30	Bhatgaon	FSTP	3.0	3.0
31	Bhilai Charoda	FSTP	40.0	35.0
32	Bhopalpattanam	FSTP	3.0	2.7
33	Bijapur	FSTP	5.0	3.8
34	Bilaigarh	FSTP	3.0	2.7
35	Bilha	FSTP	3.0	2.7
36	Birgaon	FSTP	63.0	25.0
37	Bishrampur	FSTP	3.0	3.0
38	Bodla	FSTP	3.0	2.7
39	Bodri	FSTP	3.0	2.9
40	Champa	FSTP	5.0	3.8
41	Chandrapur	FSTP	3.0	2.2
42	Charama	FSTP	3.0	2.7
43	Chhuikhadan	FSTP	3.0	1.4
44	Chhura	FSTP	3.0	2.7
45	Chhurikala	FSTP	3.0	1.4
46	Chhuriya	FSTP	5.0	1.2
47	Chikhalakasa	FSTP	3.0	2.7
48	Chirmiri	FSTP	5.0	5.0
49	Dabhra	FSTP	3.0	1.8
50	Dalli-Rajhara	FSTP	5.0	4.5
51	Dantewada	FSTP	5.0	4.5
52	Daundi Lohara	FSTP	3.0	3.0
53	Devkar	FSTP	3.0	2.7
54	Dhamdha	FSTP	3.0	2.3
55	Dhamtari	FSTP	8.0	7.2
56	Dharamjaigarh	FSTP	3.0	2.7
57	Dipka	FSTP	5.0	5.0
58	Dongargaon	FSTP	3.0	2.7
59	Dongargarh	FSTP	5.0	3.5
60	Dornapal	FSTP	3.0	2.7
61	Doundi	FSTP	3.0	2.7
62	Farasgaon	FSTP	3.0	2.7
63	Fingeshwar	FSTP	3.0	2.7
64	Gandai	FSTP	3.0	1.2

Sr No.	ULB Name	Type of Treatment Plant	Capacity of FSTP (KLD)	Capacity Utilized (in KLD)
65	Gariyaband	FSTP	3.0	2.7
66	Gaurella	FSTP	3.0	2.1
67	Geedam	FSTP	3.0	2.7
68	Gharghoda	FSTP	3.0	2.8
69	Gobra Nawapara	FSTP	5.0	4.5
70	Gunderdehi	FSTP	3.0	2.9
71	Gurur	FSTP	3.0	2.7
72	Jagdalpur	FSTP	3.0	2.6
73	Jamul	FSTP	5.0	4.8
74	Jaijaipur	FSTP	3.0	2.8
75	Jarhi	FSTP	3.0	3.0
76	JashpurNagar	FSTP	3.0	3.0
77	Jhagrakhand	FSTP	3.0	3.0
78	Kanker	FSTP	5.0	4.3
79	Kasdol	FSTP	5.0	4.5
80	Katghora	FSTP	5.0	4.4
81	Keskal	FSTP	3.0	2.7
82	Khairagarh	FSTP	5.0	3.5
83	Khamhariya	FSTP	3.0	2.7
84	Kharod	FSTP	3.0	2.1
85	Kharora	FSTP	3.0	2.7
86	Kharsiya	FSTP	5.0	4.5
87	Khongapani	FSTP	3.0	3.0
88	Kirandul	FSTP	5.0	4.5
89	Kirodimalnagar	FSTP	3.0	3.0
90	Kondagaon	FSTP	5.0	4.5
91	Konta	FSTP	3.0	2.7
92	Kota	FSTP	3.0	1.7
93	Kotba	FSTP	3.0	3.0
94	Kumhari	FSTP	5.0	5.0
95	Kunkuri	FSTP	3.0	3.0
96	Kura	FSTP	5.0	4.5
97	Kurud	FSTP	3.0	2.7
98	Kusmi	FSTP	3.0	3.0
99	Lailunga	FSTP	3.0	2.9
100	Lakhanpur	FSTP	3.0	2.8
101	Lawan	FSTP	3.0	2.7
102	Lormi	FSTP	3.0	2.5
103	Magarlod	FSTP	8.0	2.7
104	Mahasamund	FSTP	3.0	7.2
105	Malhar	FSTP		1.6

Sr No.	ULB Name	Type of Treatment Plant	Capacity of FSTP (KLD)	Capacity Utilized (in KLD)
106	Mana-Camp	FSTP	3.0	2.7
107	Manendragarh	FSTP	5.0	5.0
108	Maro	FSTP	3.0	2.7
109	Mungeli	FSTP	5.0	3.9
110	Nagari	FSTP	5.0	4.5
111	Nailą-Janjgir	FSTP	3.0	2.8
112	Nai-Ledri	FSTP	3.0	2.9
113	Narayanpur	FSTP	5.0	4.5
114	Narharpur	FSTP	3.0	2.7
115	Nawagarh-JC	FSTP	3.0	1.2
116	Nawagarh-B	FSTP	3.0	2.7
117	NayaBardwar	FSTP	3.0	2.8
118	Pakhanjur	FSTP	3.0	2.7
119	Palari	FSTP	3.0	2.7
120	Pali	FSTP	3.0	1.2
121	Pandariya	FSTP	3.0	2.7
122	Pandatarai	FSTP	3.0	2.7
123	Parpondi	FSTP	3.0	3.0
124	Patan	FSTP	3.0	2.7
125	Pathalgaon	FSTP	3.0	2.0
126	Pathariya	FSTP	3.0	2.7
127	Pendra	FSTP	3.0	1.9
128	Pipariya	FSTP	3.0	2.7
129	Pithora	FSTP	3.0	2.7
130	Pratappur	FSTP	3.0	3.0
131	Premnagar	FSTP	3.0	3.0
132	Pusaur	FSTP	3.0	3.0
133	Rahaud	FSTP	3.0	2.9
134	Rajim	FSTP	3.0	2.7
135	Rajnandgaon	FSTP	100.0	100.0
136	Rajpur	FSTP	3.0	1.1
137	Ramanujganj	FSTP	3.0	3.0
138	Ratanpur	FSTP	5.0	4.8
139	Sahaspur-Lohara	FSTP	3.0	2.7
140	Saja	FSTP	3.0	2.7
141	Sakti	FSTP	3.0	2.4
142	Saragaon	FSTP	3.0	2.1
143	Saraipali	FSTP	5.0	4.5
144	Sarangarh	FSTP	5.0	5.0
145	Sargaon	FSTP	3.0	1.5
146	Sariya	FSTP	3.0	1.4

Sr No.	ULB Name	Type of Treatment Plant	Capacity of FSTP (KLD)	Capacity Utilized (in KLD)
147	Shivpur Charcha	FSTP	3.0	3.0
148	Shivrinarayan	FSTP	3.0	2.2
149	Simga	FSTP	5.0	4.5
150	Sitapur	FSTP	3.0	2.8
151	Sukma	FSTP	5.0	4.5
152	Surajpur	FSTP	5.0	5.0
153	Takhatpur	FSTP	5.0	4.0
154	Tilda Newra	FSTP	8.0	7.2
155	Tumgaon	FSTP	5.0	4.5
156	Tundra	FSTP	3.0	2.7
157	Utai	FSTP	3.0	2.7
158	Wadrafnagar	FSTP	3.0	3.0
TOTAL			796 KLD	672.9 KLD

Annexure-2

Latest Water Quality of Polluted River Stretches

Polluted River Stretch (Range in the Year 2021)

River Hasdeo (Korba to Urga) -P-IV

Monitoring Parameter	Minimum	Maximum
pH	7.13	7.26
B.O.D.(3-days at 27 °C) (Mg/L)	0.6	0.8
Dissolved Oxygen (Mg/L)	6.6	7.2
Coliform (MPN/100 ml)	31.0	79.0

River Kharoon (Bhatagaon to Bendri) -P-IV

Monitoring Parameter	Minimum	Maximum
pH	7.52	7.86
B.O.D.(3-days at 27 °C) (Mg/L)	1.5	2.8
Dissolved Oxygen (Mg/L)	6.2	6.4
Coliform (MPN/100 ml)	6.0	17.0

River Mahanadi (Shivnath To Arang) -P-IV

Monitoring Parameter	Minimum	Maximum
pH	7.42	7.77
B.O.D.(3-days at 27 °C) (Mg/L)	1.4	2.4
Dissolved Oxygen (Mg/L)	6.2	6.5
Coliform (MPN/100 ml)	2.0	17.0

River Sheonath (Bemta to Simga) -P-IV

Monitoring Parameter	Minimum	Maximum
pH	7.46	7.71
B.O.D.(3-days at 27 °C) (Mg/L)	0.6	2.5
Dissolved Oxygen (Mg/L)	6.4	6.6
Coliform (MPN/100 ml)	1.8	20.0

River Kelo (Raigarh to Kananktora) -P-V

Monitoring Parameter	Minimum	Maximum
pH	7.4	7.8
B.O.D.(3-days at 27 °C) (Mg/L)	2.2	3.4
Dissolved Oxygen (Mg/L)	6.3	7.0
Coliform (MPN/100 ml)	41	49

Indian Standard 2296:

- BOD (3 days 27 degree Celsius)-03 Milligram per liter
- Dissolved Oxygen-04 Milligram per liter
- Coliform (MPN/100 ml)-500