CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

Paryavas Bhawan, North Block, Sector-19
Nava Raipur Atal Nagar - 492002, District-Raipur (C.G.)
email - hocecb@gmail.com

No. 8632 /TECH / H.O./ CECB/ 2026 Nava Raipur Atal Nagar, Raipur, Dated: 29/ 10/ 2026

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. Minutes 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 September, 2026 is enclosed with this letter for your information and necessary action please.

Enclosed :- As above.

29/10/26

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

Endt.No. /TECH/H.O./CECB/ 2026 Nava Raipur Atal Nagar, Raipur, Dated: / / 2026

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.)

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Monthly Progress Report for the month of September, 2026 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 – 59.68 Lakhs (as per 2011 census)
Current estimated urban population – 77.93 Lakhs
Rural population – 1,96,07,961 (as per 2011 census)

II. **Estimated Sewage Generation (MLD) :** 743.5 MLD

a. In the state of Chhattisgarh having 194 ULBs, the estimated sewerage generation is 743.5 MLLD There are 25 operational STPs with a combined treatment capacity of 458.3 MLD. In Addition to that, 03 STPs are under construction with a combined capacity of 26.0 MLD. are under construction, of which two are targeted for completion by December 2026 and one by March 2027. Further, the state has approved 09 more STPs in the larger ULBs with a total capacity of 333.0 MILD under AMRUT 2.0 and all the 09 STP projects are currently under construction. Furthermore, 04 STPs having total capacity of 10.7 MLD are proposed under state budget.

b. The state has developed about 828 MLD capacity of STP for the treatment of used water from the urban households through
   i. 25 Operational STPs (458.3 MLD),
   ii. 03 Under Construction STPs (26 MLD) and
   iii. 13 STPs (343.7 MLD) under planning stage.

c. In Chhattisgarh, most of the urban households depend on on-site sanitation systems such as Septic Tanks, Pits latrines and twins pits. So, all ULBs have established Faecal sludge treatment facility for the treatment for the treatment of septage generated from the households of the ULBs. A total number of 160 ULBs have Faecal Sludge Treatment Plants (FSTP) based on Low-cost gravity based planted drying beds for the treatment of black water generated in these ULBs. The 10 ULBs namely Raipur, Raigarh, Bilaspur, Durg, Risali, Bhilai, Korba, Jagdalpur, Kawardha and Kirodimal Nagar are using nearby STPs for co-treatment of septage.

d. 04 STPs in ULBs namely Sakti (4.0 MLD), Shivrinarayan (2.2 MLD), Dantewada (2.8 MLD) and Chandrapur (1.7 MLD) are proposed under state dudget and STPs in 05 AMRUT cities namely Durg (77.0 MLD), Bhilai (150 MLD), Korba (33.0 MLD) and Ambikapur (32.0 MLD) and Rajnandgaon (41.0 MLD) are proposed under AMRUT budget, which will further reduce the gap and strengthen the waste water management facilities in the State of Chhattisgarh.

e. Therefore, there is zero gap in wastewater management in Urban areas of Chhattisgarh and the total sewage & septage generated from all the households of the ULBs is being treated by the STPs and FSTPs respective.

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III. **Details of Sewage Treatment Plant**

- **No. of Operational STPs and Treatment Capacity (in MLD) :** 25 STPs with total treatment capacity of 458.3 MLD
- **Capacity Utilization of existing STPs:** 311.2 MLD.
- No. of Under Construction STPs and Treatment Capacity (in MLD): 12 STPs with total treatment capacity of 359.0 MLD.
- No. of Proposed STPs and Treatment Capacity (in MLD): 04 STPs with total treatment capacity of 10.7 MLD.
- **MLD of sewage being treated through Alternate technology:** 160 ULBs are having FSTPs (Low-cost gravity based Planted Drying Bed) and in 10 ULBs treatment of faecal sludge form septic tank is done through co-treatment with STPs.
- **Gap in Treatment Capacity in MLD :** 432.3 MLD
- **No. of Operational STPs :** 25
- **No. of Complying STPs :** 25
- **No. of Non-complying STPs :** 0

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Details of each operational STPs in the State

No.	Location	Existing STP Capacity	Capacity Utilization (Oct 2021 onwards)	Operational Status of STP	Compliance Status of STP
1.	Chilhati (Bilaspur)	17 MLD	14.6 MLD	Operational	Complied
2.	Domuhani (Bilaspur)	54 MLD	24.8 MLD	Operational	Complied
3.	Koni C (Bilaspur)	6.0 MLD	3.6 MLD	Operational	Complied
4.	Pachrighat (Bilaspur)	1.0 MLD	1.0 MLD	Operational	Complied
5.	Mini Mata Chowk (Kawardha)	2.1 MLD	1.8 MLD	Operational	Complied
6.	Bhatagaon (Raipur)	6.0 MLD	5.6 MLD	Operational	Complied
7.	Kara (Raipur)	35 MLD	29.4 MLD	Operational	Complied
8.	Nimora (Raipur)	90 MLD	74.1 MLD	Operational	Complied
9.	Chandandih (Raipur)	75 MLD	54.8 MLD	Operational	Complied
10.	Banjipali (Raigarh)	25 MLD	21.8 MLD	Operational	Complied
11.	Bade Atarmoda (Raigarh)	7.0 MLD	5.3 MLD	Operational	Complied
12.	Balikota (Jagdalpur)	25 MLD	17.4 MLD	Operational	Complied
13.	Mohad (Rajnandgaon)	6.2 MLD	4.8 MLD	Operational	Complied
14.	Nawapara	7.6 MLD	2.8 MLD	Operational	Complied
15.	Rajim	2.8 MLD	1.2 MLD	Operational	Complied
16.	Dhamtari	19.6 MLD	9.8 MLD	Operational	Complied
17.	Nava Raipur-Zone 2	10 MLD	2.0 MLD	Operational	Complied
18.	Nava Raipur-Zone 3	7.0 MLD	0.7 MLD	Operational	Complied
19.	Nava Raipur-Zone 4	10.0 MLD	3.0 MLD	Operational	Complied
20.	Nava Raipur-Zone Sector 19	1.2 MLD	0.8 MLD	Operational	Complied
21.	Bhilai Steel Plant (Bhilai)	30 MLD	26 MLD	Operational	Complied
22.	Kirodimalnagar	5 MLD	1 MLD	Operational	Complied
23.	Kanker	7.7 MLD	3.1 MLD	Operational	Complied
24.	Simga	2.8 MLD	1.0 MLD	Operational	Complied
25.	Champa	5.3 MLD	0.8 MLD	Operational	Complied
Total		**458.3 MLD**	**311.2 MLD**	**Operational**	

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Details of under construction STP in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Expected Completion Timeline (ECT)
1.	Nava Raipur-Zone 1(Raipur)	10 MLD	98% completed. (Stay order by High Court), Work of Balance Sewarage Network is under progress	31/03/2027
2.	Mangla B (Bilaspur)	10 MLD	90%	31/12/2026
3.	Mangla D (Bilaspur)	6 MLD	100% Under Trail Run	31/12/2025
4.	Durg (Zone 1)	47	Work Order Issued Dated 04/12/2025, Site Survey is done, Work Progress:06%	ETC : 27 Month from date of Contract award.
5.	Durg (Zone 2)	30		
6.	Bhilai	150	Work Order Issued Dated 10/07/2025, Work progress : 08%	ETC : 27 Month from date of Contract award.
7.	Korba (Pragati Nagar)	33	Work Order Issued Dated 05/08/2025, Work progress : 54%	ETC : 27 Month from date of Contract award.
8.	Ambikapur (STP 1)	2	Work Order Issued Dated 23/07/2025, Work progress : 43%	ETC : 27 Month from date of Contract award.
9.	Ambikapur (STP 2)	14		
10.	Ambikapur (STP 3)	16		
11	Rajnandgaon (Zone 1)	15	Work Order Issued Dated 31/07/2025, Work progress : 29%	ETC : 27 Month from date of Contract award.
12	Rajnandgaon (Zone 2)	26		
Total		**359 MLD**	-	

Detail of other under construction/proposed STPs in the State

Sr. No.	Location	Plant Capacity in MLD	Current Status	Expected Completion Timeline
1	Sakti	4.0 MLD	5th call of tender is invited Dated 08/04/2026	Under Tendering Process, ECT : 2 Year from date of Tender Award
2	Dantewada	2.8 MLD		
3	Shivrinarayan	2.2 MLD	4th call of tender is invited Dated 15/12/2025	
4	Chandrapur	1.7 MLD		
Total		**10.7 MLD**	-	

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Polluted River Stretches wise STPs Status						
Name of the polluted River & Priority	**Polluted Stretch as per CPCB Report, 2025**	**ULB Name**	**STP Location**	**STP capacity**	**Status of STPs**	**Expected Completion Timeline**
River Kharoon (Priority-III) River stretch	River Kharoon from before confluence to after confluence of Khapri Nalah	Raipur	Bhatagaon	6.0 MLD	Operational	Completed
			Kara	35.0 MLD		
			Nimora	90.0 MLD		
			Chandandih	75.0 MLD		
		Nava Raipur	Zone 2	10.0 MLD	Operational	Completed
			Zone 3	7.0 MLD		
			Sector 19	1.2 MLD		
			Zone 4	10.0 MLD		
			Zone 1	10.0 MLD	Under Construction	31/03/2027
		Dhamtari	Mujgahan	19.6 MLD	Operational	Completed
River Arpa (Priority-V)	River Arpa downstream of Bilaspur city at check dam outlet near Deori Khurd, Bilaspur	Bilaspur	Chilhati	17 MLD	Operational	Completed
			Domuhani	54 MLD	Operational	Completed
			Mangla B	10 MLD	Under Construction	31/12/2026
			Mangla D	6 MLD	Under Trail Run	31/12/2025
			Koni C	6 MLD	Operational	Completed
			Pachrighat	1 MLD	Operational	Completed
River Kelo (Priority-V) River location	River Kelo downstream Lhangapali bridge, Midmida village	Raigarh	Banjipali	25.0 MLD	Operational	Completed
			Bade Atarmoda	7.0 MLD		
River Hasdeo (Priority-III) River location	River Hasdeo at upstream of Champa	Korba	Pragati Nagar, Korba	33.0 MLD	Work Order issued on 05/08/2025 (AMRUT 2.0) Civil construction work has been started.	ETC: 27 month form date of Contract Award
		Champa	Champa	5.3 MLD	Operational	Completed
River Mahanadi (Priority-III) River stretch	River Mahanadi from Kharod to after Confluence River Mand	Kanker	Kanker	7.7 MLD	Operational	Completed
		Nawapara	Nawapara	7.6 MLD	Operational	
		Rajim	Rajim	2.8 MLD	Operational	
		Shivrinarayan	-	2.2 MLD	Under tendering process (State Budget)	-
		Chandrapur	-	1.7 MLD		
		Sakti	-	4.0 MLD		
River Seonath (Priority-IV)	River Seonath from	Rajnangaon	Mohad	6.2 MLD	Operational	Completed
			Mohara near Sindai	26 MLD	Work Order issued on	ETC: 27 month form

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River stretch	Jhingari village, after confluence of Samoda nalla to Mohad		Villag		31/07/2025 (AMRUT 2.0) Civil construction work has been started.	date of Contract Award
			Kanharpuri near Parrinala	15 MLD		
		Simga	Simga	2.8 MLD	Operational	Completed
		Bhilai	Kachandur	150 MLD	Work Order issued on 10/07/2025 (AMRUT 2.0) Civil construction work has been started.	ETC: 27 month form date of Contract Award
		Durg	Urla	47 MLD	Work Order issued on 04/12/2025 (AMRUT 2.0) Site Survey completed, Design, Drawing approval, received, excavation work started.	ETC: 27 month form date of Contract Award
			Pulgaon	30 MLD		
	TOTAL			**731.1 MLD**		

IV. Details of Industrial Pollution :

- **No. of industries in the State :** 6475
- **No. of water polluting industries in the State :** 1065
- **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 :** 1060
- **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

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V. Solid Waste Management

- **Total number of Urban Local Bodies and their Population :** There are total of 194 Urban Local Bodies in Chhattisgarh. The Urban population as per census 2011 is 59.68 and the current estimated urban population is 77.93 Lakhs.

- **Municipal solid waste generation :** 2600 TPD of solid waste is generated from 192 ULBs.
  a. MSW Collected : 2494 TPD
  b. MSW Processed : 2494 TPD

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing e.g.- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc :**
  a. In 168 ULBs (375 MRFs, 210 decentralized compost sheds are operational and
  b. In ULBs 02, namely Raipur & Bilaspur Municipal Corparations, Integrated Solid Waste Management facility is operational.
  c. Total Installed Treatment Capacity for Dry Waste Management : 2388 TPD
  d. Total Installed Treatment Capacity for Wet Waste Management : 1945 TPD

Details of Solid Waste Management in Chhattisgarh

194 ULBs	375 Nos. of MRF	210 Nos. of Composting Sheds in 168 ULBs	02 Nos. of Integrated Solid Waste Management facility in Raipur & Bilaspur	96% Door to Door MSW collection in 170 ULBs	170 C&D waste collection temporary facility in existing MRFs

- **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 necessary infrastructures for proper solid waste management in 24 newly formed ULBs notified in the year 2023-26 will be developed within 3 years.

- **No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) :**
  a. **Existing :** 65 TPD capacity at Raipur, 12 TPD capacity at Bilaspur and 20 TPD capacity at Korba Municipal corporation and 05 TPD capacity at Ambikapur Municipal corporation.
  b. **Under Construction :** 50 TPD capacity at Bhilai and 20 TPD capacity at Durg Municipal corporation.

- **Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source :** There are 3298 wards where door to door collection services and source segregation are being practiced.

- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) :** Establishment of waste management facilities in newly formed ULBs and all-weather condition compost facilities,

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strengthening/mechanization of existing MRF facilities are proposed under SBM 2.0.

- **No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills :** NIL
- **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	Expected Completion Timeline	Remarks
1	Kharun	Raipur	1	28.85 Acre	Completed	100% Remediated
2	Kelo	Raigarh	1	06.65 Acre	Completed	100% Remediated
3	Hasdeo	Korba	1	10.20 Acre	Completed	100% Remediated

- **No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:** 77 drains are falling into the 6 river stretches from 9 ULBs and a total of 138 screens are installed covering all the 6 rivers to prevent falling of solid waste into them.

Status of ULB wise Management of Solid Waste Covering 100% catchment of 06 polluted river stretches of the State

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	693.03 TPD	693.03 TPD	1ISMM Facility	1200 TPD	**Complied** MSW treatment facilities are construction and operational in all the ULBs.
Dhamtari	22.84 TPD	22.84 TPD	11	70 TPD	
Raigarh	33.56 TPD	33.56 TPD	14	77.2 TPD	
Korba	156.05 TPD	155.05 TPD	23	186.0 TPD	
Kanker	6.23 TPD	6.23 TPD	4	18.5 TPD	
Nawapara	11.83 TPD	11.83 TPD	4	18.5 TPD	
Rajim	4.54 TPD	4.30 TPD	2	9.5 TPD	
Simga	4.80 TPD	4.80 TPD	2	9.9 TPD	
Bilaspur	260 TPD	260 TPD	18 MRF, 1 ISMM Facility	581.15 TPD	

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

- **Total Bio-medical generation:** 11.115 Tonnes per day
- **No. of Hospitals and Health Care Facilities :** No.of Beded Hospital 2498 No. of Health Care Facilities 7230
- **Status of Treatment Facility/ CBMWTFs :** Out of 11.115 TPD of Bio-Medical Wastes, about 9.437 TPD wastes is being disposed off in the CBWTF operating in the State. Remaining wastes i.e. 1.710 TPD is disposed off in the premises of HCFs only.

  02 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.

  Bastar : Environmental Clearance and Consent to Establish issued for CBWTFs facility at Kondagaon, Bastar Division. Construction work of CBWTEs has stopped due to objection of local people. Now matter is in high Court.

  Raigarh: CBWTFs facility has been installed and the authorization has been granted. Facility is in operation.

  Korba: Public hearing was held on 13.03.2024 final EC is pending. IMA Korba has filed a writ WPC-1415 of 2024 date 11.03.2024. Court case is pending.

VII. **Hazardous Waste Management :**

- **Total Hazardous Waste generation per year :** 181864 Metric Tonnes
- **No. of Industries generating Hazardous waste :** 657
- **Treatment Capacity of all TSDFs :** NIL
- **Avg. Quantity of Hazardous waste reaching the TSDFs and Treated :** NIL
- **Details of on-going or proposed TSDF :** The setting-up of Common Hazardous Waste TSDF has been completed by Chhattisgarh State Industrial Development Corporation (CSIDC) under the guidance of Department of Commerce and Industry, Govt. of Chhattisgarh. The TSDF Facility is presently in operation.

VIII. **Plastic Waste Management**

- **Total Plastic Waste generation:** Approx. 140 TPD (Estimated).
- **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 co-processing in Cement Kiln.

IX. **Details of Alternate Treatment Technology being adopted by the State/UT :** FSTP based on Low-cost gravity based Planted Drying Bed technology are operational in all ULBs for treatment of Septage generated in the ULBs.

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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	12
Korba	19	19	35
Kanker	7	7	7
Nawapara	7	7	12
Rajim	4	4	4
Simga	4	4	4
Bilaspur	14	14	28
TOTAL	**77**	**77**	**138**

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.

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.

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- **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.

XV. Rainwater Harvesting:

Progress by UAD				
ULB Name	**Target**	**Completed**	**In Progress**	**Timeline**
Raipur	11856	9790	2066	March – 2027
Dhamtari	1016	810	206	March – 2027
Raigarh	1129	856	273	March – 2027
Korba	1934	1824	110	October – 2026
Kanker	187	152	35	October – 2026
Nawapara	152	150	02	December – 2026
Rajim	303	300	03	September – 2026
Simga	187	116	71	December – 2026
Bilaspur	4685	3465	1220	March – 2027
Total	**21449**	**17463**	**3986**	**-**

- 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.

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XVI. Demarcation of Floodplain and removal of illegal encroachments:

Progress by UAD			
River Stetch	**ULB Name**	**Encroachment identified**	**Encroachment removed**
River Kharoon (Priority-IV)	Raipur	Nil	Nil
	Dhamtari	Nil	Nil
River Kelo (Priority-V)	Raigarh	14	14
River Hasdeo (Priority-IV)	Korba	8	8
River Mahanadi (Priority-IV)	Kanker	1	1
	Nawapara	Nil	Nil
	Rajim	Nil	Nil
River Seonath (Priority-IV)	Simga	4	4
River Arpa (Priority-IV)	Bilaspur	36	36
TOTAL		**63**	**63**

XVII. **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.

XVIII. **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

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Progress by UAD			
River Stretch	**ULB Name**	**Identified area (Flood zone) along the rivers**	**Plantation activities done by ULBs**
River Kharoon (Bhatagaon to Bendri) (Priority-IV)	Raipur	10	Nil
	Dhamtari	Nil	Nil
River Kelo (Raigarh to Kanakrora) (Priority-V)	Raigarh	1	8320
River Hasdeo (Korba to Urga) (Priority-IV)	Korba	4	3600
River Mahanadi (Sihawa to Aarang) (Priority-IV)	Kanker	5	250
	Nawapara	6	1600
	Rajim	2	520
River Seonath (Bemta to Simga) (Priority-IV)	Simga	2	50
River Arpa (Bilaspur) (Priority-IV)	Bilaspur	Nil	Nil
TOTAL		**30**	**14340**

XIX. **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.

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XX. Reuse of Treated Water :

S. N.	ULB Name	STP Name & Capacity	Name of Industries with whom MoU is signed / Planned for Reuse of Treated water
1.	Raipur Municipal Corporation	Nimora 90 MLD	M/s. Alok Ferro Alloys Ltd
			M/s. API Ispat & Power tech Pvt. Ltd.
			M/s Adani Power Ltd.

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- Raipur Municipal Corporation (RMC) has signed MoU on 19/06/2024 with industry M/s. Alok Ferro Alloys Ltd. For utilizing total 3 MLD treated water from Nimora STP for industrial purpose. The industry has started taking 3 MLD treated water from 90 MLD Nimora STP from 26/01/2025. The Final interconnection was completed on 14 November 2025 and Pump installation/commissioning work is completed on 05 December 2025. Now, regular pumping of water is started.
- RMC has signed MoU on 23/05/2025 with the industries M/s API Ispat & Powertech Pvt. LTD. for 5 MLD treated water to utilize from the 90 MLD Nimora STP. Pipe-laying work is completed and trial and testing of water supply is also completed. The power connection from CSPDCL is currently underway which will be completed by 15th May 2026 and the time of completion of other other pending works is May 2026.
- RMC has signed MoU on 24/11/2023 with the industry M/s Adani Power Ltd. for use of 68 MLD water from 90 MLD capacity STP at Nimora. RMC has prepared the Detailed Project Report (DPR) for M/s Adani Power Ltd. A datailed presentation on the DPR and its provisions was conducted on 17 february 2026. The technical team of M/s Adani Power Ltd. is currently reviewing the DPR and their comments are awaited.
- RMC has signed MoU on 03/11/2023 with M/s Maa Kudargarhi Industry for 2 MLD treated water and with M/s Vrajesh Steel Industry on 02/01/2024 for 7 MLD treated water from 35 MLD STP at Kara. pending work of pipe alignment and design is being carried out by the industry whose time of completion is June 2026.
- RMC has signed an MoU with NSPCL, Bhiali on 24/05/2025 to use 18 MLD treated water from the Chandandih STP. RMC submitted the DPR to NSPCL on 13 October 2025 comments and remarks were received from NSPCL on 08/12/2025. RMC submitted the justification to NSPCL on 26/12/2025. The final decision is currently awaited by the Board of Direction of NSPCL.
- Bilaspur Municipal corporation has identified M/s NTPC, sipat as a potential buyer of treated water from its two STPs and is currently in discussions with the concerning authority to sign an MoU with the industry.
- Korba Municipal Corporation (KMC) has signed an MoU with M/s. NTPC Korba from the 33 MLD STP pragati nagar Korba on 29/04/2025 to utilize 20 MLD treated water. The work of STP construction is under progress which will be completed by 15/06/2027.
- Raigarh Municipal Corporation and District collector, Raigarh had a meeting with the officials of the industries (M/s. NTPC Lara, RR Energy Ltd and Jindal Steel) to have a MoU and to explore the potential users for reuse of the treated water from its two STPs having capacity of 25 MLD & 7 MLD.

Other works, apart from the above table:

- Apart from the above, currently the treated water from STP is being utilized in road washing and landscaping works by ULB itself.

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

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

XXIII. **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.

XXIV. **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	20,193	72,76,866
Dhamtari	598	2,34,702
Raigarh	6,537	14,40,520
Korba	1,218	6,51,910
Kanker	515	1,06,000
Nawapara	159	90,060
Rajim	151	25,800
Simga	68	6,550
Bilaspur	3,861	33,73,150
TOTAL	**33,310**	**1,32,05,558**

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River Mahanadi Water Quality for the Year 2026

River Mahanadi at Kharod, Janjgir – Champa
(Station Code – 1100), Latitude – 21°44' N, Longitude - 82°43' E

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.3
2.	Total Solids	mg/l	349
3.	Total Dissolved Solids	mg/l	292
4.	Dissolved Oxygen	mg/l	6.1
5.	BOD (3 Days 27°C)	mg/l	2.2
6.	COD	mg/l	34

River Mahanadi at Sheorinarayan Village Downstream near Road Bridge, Janjgir – Champa
(Station Code – 1282), Latitude – 21.718085, Longitude - 82.596468

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.4
2.	Total Solids	mg/l	265
3.	Total Dissolved Solids	mg/l	220
4.	Dissolved Oxygen	mg/l	6.2
5.	BOD (3 Days 27°C)	mg/l	2.0
6.	COD	mg/l	36

River Mahanadi after confluence with Mand River, At Balpur, Janjgir – Champa
(Station Code – 1467), Latitude – 21°43'48" N, Longitude - 83°18'36" E

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.2
2.	Total Solids	mg/l	372
3.	Total Dissolved Solids	mg/l	311
4.	Dissolved Oxygen	mg/l	6.3
5.	BOD (3 Days 27°C)	mg/l	2.2
6.	COD	mg/l	43

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River Hasdeo Water Quality for the Year 2026

River Hasdeo at Upstream of Champa, Janjgir – Champa

(Station Code – 1106), Latitude – 22°01'48" N, **Longitude** - 82°39'00" E

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.48
2.	Total Solids	mg/l	350
3.	Total Dissolved Solids	mg/l	265
4.	Dissolved Oxygen	mg/l	6.0
5.	BOD (3 Days 27^{O}C)	mg/l	2.1
6.	COD	mg/l	33

River Arpa Water Quality for the Year 2026

River Arpa at Downstream of Bilaspur city at Check Dam Outlet Near Deorikhurd, Bilaspur

(Station Code – 1848), Latitude – 22.064194, **Longitude** - 82.202029

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.2
2.	Total Solids	mg/l	343
3.	Total Dissolved Solids	mg/l	301
4.	Dissolved Oxygen	mg/l	6.5
5.	BOD (3 Days 27^{O}C)	mg/l	2.4
6.	COD	mg/l	37

River Kelo Water Quality for the Year 2026

River Kelo at Downstream of Raigarh, Raigarh

(Station Code – 1850), Latitude – 21°53'02" N, **Longitude** - 83°24'12" E

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.4
2.	Total Solids	mg/l	271
3.	Total Dissolved Solids	mg/l	149
4.	Dissolved Oxygen	mg/l	6.5
5.	BOD (3 Days 27^{O}C)	mg/l	2.3
6.	COD	mg/l	39
7.	Total Coliform	MPN/100ml	327

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River Kharoon Water Quality for the Year 2026

River Kharoon After Confluence of Khapri Drain, Durg
(Station Code – 1846), Latitude – 21°14'24" N, **Longitude** - 81°33'36" E

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.2
2.	Total Solids	mg/l	380
3.	Total Dissolved Solids	mg/l	352
4.	Dissolved Oxygen	mg/l	6.1
5.	BOD (3 Days 27^{O}C)	mg/l	2.2
6.	COD	mg/l	44
7.	Total Coliform	MPN/100ml	233

River Kharun at Downstream of Raipur, Durg - Raipur Road Bridge, Durg
(Station Code – 1847), Latitude – 21°12'00" N, **Longitude** - 81°36'36" E

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.4
2.	Total Solids	mg/l	363
3.	Total Dissolved Solids	mg/l	328
4.	Dissolved Oxygen	mg/l	6.3
5.	BOD (3 Days 27^{O}C)	mg/l	2.3
6.	COD	mg/l	51.0
7.	Total Coliform	MPN/100ml	248

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River Shivnath Water Quality for the Year 2026

River Shivnath at Jhinghri Village, (After Confluence) of Samoda Nalla, Durg
(Station Code – 3166), Latitude – 21°18'14" N, Longitude - 81°18'22" E

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.2
2.	Total Solids	mg/l	352
3.	Total Dissolved Solids	mg/l	302
4.	Dissolved Oxygen	mg/l	6.3
5.	BOD (3 Days 27^{O}C)	mg/l	2.1
6.	COD	mg/l	39.0
7.	Total Coliform	MPN/100ml	245

River Shivnath at Mohad Village, Rajnandgaon
(Station Code – 3167), Latitude – 21°03'38" N, Longitude - 81°03'05" E

S. No.	Parameter	Unit	Result
1.	pH	pH Unit	7.3
2.	Total Solids	mg/l	356
3.	Total Dissolved Solids	mg/l	311
4.	Dissolved Oxygen	mg/l	6.4
5.	BOD (3 Days 27^{O}C)	mg/l	2.4
6.	COD	mg/l	35
7.	Total Coliform	MPN/100ml	213

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