

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020) For the State of Karnataka

Name of the River	Arkavathi River
Polluted river stretch	Tippagondanahalli reservoir to Kanakapura Town
Priority	III
Status as on	31st July 2024

Overall status of the State:

Particulars		CMC Ramanagara	CMC Kanakapura	Total
I.	Total Population: Urban Population & Rural Population separately	95167	54014	149181
II.	Estimated Sewage Generation (MLD):	10.0	4.4	14.4

III. Details of Sewage Treatment Plant:

Particulars	CMC Ramanagara	CMC Kanakapura	Total
Existing no. of STPs and Treatment Capacity (in MLD):	No. of STPs- 1 Treatment Capacity- 7.5 MLD	No. of STPs- 1 Treatment Capacity-6.29 MLD	No. of STPs- 2 Treatment Capacity- 13.79 MLD
Capacity Utilization of existing STPs:	6.0	3.8	9.8
MLD of sewage being treated through Alternate technology:	4.0(Through Septic tank & Soak Pit)	0.6(Through Septic tank & Soak Pit)	4.6(Through Septic tank & Soak Pit)
Gap in Treatment Capacity in MLD:	4.0	0.6	4.6
No. of Operational STPs:	1	1	2
No. of Complying STPs:	0	0	0
No. of Non-complying STPs:	1*	1*	2

a. Details of each existing STP in the State

Name of the Local Body	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
CMC Ramanagara	12°43'24.94"N 77°16'59.69"E	7.5 MLD	6.0 MLD	Operational	Non-complying
CMC Kanakapura	12°32'26.83"N 77°25'4.99"E	6.29 MLD	3.8 MLD	Operational	Non-complying
Total		13.79 MLD	9.8 MLD		

b. Details of under construction STPs in the State

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
CMC Ramanagara	12°43'24.94"N 77°16'59.69"E	Nil	NIL	11 drains carrying sullage effluent is to be connected to wet well before Micro STP. No Work Progress	31.12.2021 DPR has been prepared and submitted to Govt. by the KUWS & DB for the amount of Rs.220.17 Crores for connecting missing links, wet well conditioning and up gradation of STP.
CMC Kanakapura	12°32'26.83"N 77°25'4.99"E	Nil	NIL	05 drains carrying sullage effluent is to be connected to STPs. The CMC Kanakapura have applied for consent for expansion for the up gradation of STP of capacity 6.2MLD to 8.29 MLD with NEBR Technology with anaerobic decomposition with phyto bio remediation.	31.12.2021 DPR has been prepared and submitted to Govt by the KUWS&DB for the amount of Rs.30.0 Crores for connecting missing links and up gradation of STP by retro fitting using Bio-remediation and Special Aeration system.
Total					

c. Details of proposed STPs in the State

Name of the Local Body	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
CMC Ramanagara	NA	NIL	NIL	NIL
CMC Kanakapura	NA	NIL	NIL	NIL
Total				

IV. Details of Industrial Pollution:

Particulars	CMC Ramanagara	CMC Kanakapura	Arkavathi Polluted River stretch		Total
			Arkavathi River stretch	V Valley catchment area	
No. of industries in the State:	0	0	2 industries (both Red category)	181 industries (Red-30, Orange-52, Green-96, White-03)	183
No. of water polluting industries in the State:	0	0	2 industries (both Red category)	181 industries (Red-30, Orange-52, Green-96, White-03)	183
Quantity of effluent generated from the industries in MLD:	0	0	0.6027 (From 2 industries namely M/s Senapathy Whiteley Limited & Lakshmanan Isola Limited, Acchalu Village, Ramanagar Taluk, both Red categories) in operation. - The sewage of 0.0245 MLD is being disposed to individual septic tank and soak pits. - The trade effluent of about 0.578 MLD is being treated and completely recycled. - Both the industries are complying to consent conditions. - There is no discharge of any type of effluent from these two industries to Arkavathi river. - Barring little sewage from unsewered area of TMC- Bidadi, CMC- Ramanagar and CMC-Kanakapura	Total generation- 8.008MLD (Sewage generation- 3.309MLD, of which 0.1716MLD of sewage is treated in Septic tank & Soak pit, 3.137MLD of sewage is treated in 30 numbers of STPs and 1.079MLD of treated sewage is completely recycled and 2.058MLD is discharged to on land for gardening. Trade effluent- 4.699MLD, About 0.0186 MLD of effluent from 17 industries is being sent to Common ETPs for treatment and disposal of which. About 4.680MLD of trade effluent is treated in 33 numbers of ETPs (including combined ETPs) and 3.321MLD of treated effluent is completely recycled and 1.358MLD is discharged to on land for gardening. There are no common ETPs in the Arkavathi catchment area.	8.6107

			Town. River Arkavathi is polluted mainly because of discharge of untreated effluents and sewage from urban areas upstream of Thippagondana Halli Reservoir of Bangalore Urban District and the untreated effluents and sewage discharged to Vrishabhavathi Valley which originates from Bangalore Urban/BBMP area.		
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****River Arkavathi is polluted mainly because of discharge of untreated effluents and sewage from urban areas upstream of Thippagondana Halli Reservoir of Bangalore Urban District and the untreated effluents and sewage discharged to Vrishabhavathi Valley which originates from Bangalore Urban/BBMP area.**

Quantity of Hazardous Sludge generated from the Industries in TPD:	0	0	2.565 MTPA	2680.152 MTPA	2682.717
Number of industrial units having ETPs:	0	0	2	31	33
Number of industrial units connected to CETP:	0	0	0	14	14
Number and total capacity of ETPs (details of existing/ under construction / proposed)	0	0	No-2 & Capacity-	31	33
Compliance status of the ETPs:	0	0	Complied	Complied	0
Number and total capacity of	0	0	0	0	0

CETPs (details of existing/ under construction / proposed)					
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d. Status of compliance and operation of the CETPs

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
CMC Ramanagara	NIL	NIL	NIL	NIL
CMC Kanakapura	NIL	NIL	NIL	NIL
Total				

V. Solid Waste Management:

Particulars	CMC Ramanagara	CMC Kanakapura	Total
• Total number of Urban Local Bodies and their Population	CMC Ramanagara-95167	CMC Kanakapura-54014	2-149181
• Current Municipal Solid Waste Generation	40.0	24.0	64
1. Quantity of MSW generated (TPD)	35.0	20.0	55
2. Quantity of MSW Collected(TPD)	35.0	12.0	47
3. Quantity of MSW segregated & transported (TPD)	15.0	10.0	25
4. Quantity of MSW Processed(TPD)	20.0	7.0	27
5. Quantity of MSW disposed in secured landfill site(TPD)	20.0	7.0	27
6. Gap in Solid Waste Management UTs(TPD)	20	17	37
• 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			

Name of the ULB	Composting		Vermi Composting		Bio-Methanation		Refuse Derived Fuel		W2E		Combustible waste supplied to cement plant
	Waste Processed	Product Produced	Waste Processed	Product Produced	Waste Processed	Product Produced	Waste Processed	Product Produced	Waste Processed	Product Produced	
CMC-Ramanagara	10	2	4.0	0.8	1.0	10 KVA	Nil	Nil	Nil	Nil	Nil

CMC-Kanaka pura	10	2	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)						Instructions have been given to ULB's to ensure that the existing MSW processing facility is used to its fullest capacity						
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)						0		0		0		
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source						31		31		62		
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)						3 Vermi composting units under construction		1 under construction(will be completed by 31.03.2021)		4		
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills						NIL		NIL		NIL		
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers						NIL		NIL		NIL		
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers						11		5		17		

Status of ULB wise Management of Solid Waste

Name of the ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
CMC Ramanagara	40	15	18.0	18.0	SWM DPR prepared under swaccha Bharath Mission is approved and action is being taken up as per DPR.
CMC Kanakapura	24	10	24	10	Under construction
Total	64	25	42	28	

VI. Bio-medical Waste Management:

Particulars	CMC Ramanagara	CMC Kanakapura	Total
Total Bio-medical generation:	0.2043TPD	0.00684 TPD	0.21114 TPD
No. of Hospitals and Health Care Facilities:	454	152	606
Status of Treatment Facility/ CBMWTF:	complying	complying	-

VII. Hazardous Waste Management:

Particulars	CMC Ramanagara	CMC Kanakapura	Arkavathi polluted river stretch
Total Hazardous Waste generation:	0	0	Land Fillable -1576.89 MTPA Incinerable – 1018.86 MTPA Recyclable – 1298.4 MTPA Utilizable - 138.51 MTPA Total- 4032.66 MTPA
No. of Industries generating Hazardous waste	0	0	92.0
Treatment Capacity of all TSDFs	NA	NA	
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	NA	NA	
Details of on-going or proposed TSDF	NA	NA	

VIII. Plastic Waste Management:

Particulars	CMC Ramanagara	CMC Kanakapura	Total
Total Plastic Waste generation:	2.0TPD	1.25 TPD	3.25 TPD
Treatment/ Measures adopted for reduction or management of plastic waste:	NA	NA	NA

Particulars	CMC Ramanagara	CMC Kanakapura	Total
IX. Details of Alternate Treatment Technology being adopted by the State/UT			
X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:	11Drains identified and monitored periodically	5 Drains identified and monitored periodically	16 Drains identified and monitored periodically
XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT:	-		
XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:	NA		
XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	Annexure-1		
XIV. Ground water regulation:	As per the details submitted by Sr. Geologist, District Ground Water Authority, Ramanagara District for the month of August 2020, as per the circular KGA/NOC/2019-20 dated 29-05-2019 with reference to Karnataka Act 2011 U/s 17 (K), so as to fulfill the objectives of the Act, in notified taluks and non notified taluks for NOC for the purpose of industrial, commercial, entertainment, infrastructure, mining and others is made compulsory. This subject was discussed in District Ground Water Authority meeting. In this regard, as per the directions, a notice has been issued to obtain NOC for extracting groundwater from Karnataka Ground Water Authority / District Ground Water Authority. <u>Status of Ground Water Resource Assessment in Annexure-2</u>		
XV. Good irrigation practices being adopted by the State:	The Dept. of Agriculture and Horticulture have submitted action plan for implementation of following measures. - Farmers are made aware to use water optimally. - By adopting Micro irrigation system(Sprinkler And Drip) in agricultural crops .		
XVI. Rain Water Harvesting:	As per the details submitted by Sr. Geologist, District Ground Water Authority, Ramanagara for the month of August 2020, to improve the ground water situation rain water harvesting structure and some of the other artificial recharge structures are recommended to be constructed in their premises while giving the permission to extract ground water from the authority.		
XVII. Demarcation of Floodplain and removal of illegal encroachments:	The tahasildars of the concerned taluk have furnished replies that they are in the process of obtaining the details on encroachment of lands of flood plain and upon receipt of the same they would initiate further needful action		

XVIII. Maintaining minimum e-flow of river:	The Cauvery Neeravari Nigam Ltd., is requested to submit the action plan as per MoEF & CC norms during monsoon seasons and same is not submitted
XIX. Plantation activities along the rivers:	The Forest Department has submitted action plan for plantation of saplings on the banks of polluted river stretch of Arkavathi which specifies the plantation of saplings and creation of eco park etc for that they have ear marked Rs.13.49 crores. This will be completed by them within time frame of March 2024 , their letter reads.
XX. Development of biodiversity park:	
XXI. Reuse of Treated Water:	Treated water is being utilized for onland for Gardening/Irrigation/Recycled for process/Toilet Flushing
XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	NA
XXIII. Status of Preparation of Action Plan by the 13 Coastal States:	NA
XXIV. Regulation of Mining Activities in the State/UT:	Nil
XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	Nil
XXVI. Overall progress of the month: Please provide overall progress achieved in terms of all the above points compared to previous month.	

Annexure-1

XIII Status of Water Quality Assessment of polluted rivers in Annexure-1

Sl. No.	Details of Water Quality Monitoring locations as per NWMP	Year	DO(mg/l)	BOD(mg/l)	Fecal Coliform (MPN/100 ml)	Total Coliform (MPN/100 ml)
1	Thippagondanahalli reservoir	March-2024	3.4	15.0	330	790
		April & May-2024	Results awaited			
2	Downstream of Kanakapura	March-2024	4.0	8.0	14	280
		April & May-2024	Results awaited			

XIV Status of Ground Water Resource Assessment in Annexure-1

Sl.No	Village	Well Type	Sampling Date	Fe	EC	pH	NO3	Cl	F	TH
1	Kailancha Village, Ramanagara Tq & District	Dug Well	11/10/2020	0.03	1230	8.29	14	210	0.55	304
2	Ramanagara Town, Ramanagara District	Bore Well	11/10/2020	0.06	1370	8.14	66	176	1.03	328
3	Harohalli, Village Kanakapura Taluk	Dug Well	--	--	--	--	--	--	--	--
4	Kanakapura Town, Ramanagara District	Bore Well	--	--	--	--	--	--	--	--

Sd/-
Environment Officer
Regional Office-Ramanagara

National Mission for Clean Ganga

Format for submission of Monthly Progress Report in the NGT Matter OA

No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Karnataka

Name of the River : Bhadra River
Polluted river stretch : 10Km
Priority : IV
Status as on : 31.07.2024

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately:

CMC Bhadravathi Population is 151102. (As on 2011 census)

II. Estimated Sewage Generation (MLD): 20 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD):

Existing 3 no of STP's of 5.83 MLD, WSP Technology at Jatpat Nagar, Bhadravathi, 7.2 MLD, WSP Technology at Sy.no.77/P,75/P,75/1P,741/P,64/P,58/1,Seegebagi, CN Road, Bhadravathi, Shivamogga Dist & 1 MLD STP is 1 MLD STP located at Ward no 22, Ujjanipura, Bhadravathi are under operation.

Capacity Utilization of existing STPs: 0.05 MLD

- MLD of sewage being treated through Alternate technology: --
- Gap in Treatment Capacity in MLD:17.95
- No. of Operational STPs: 3
- No. of Complying STPs : 2
- No. of Non-complying STPs: 1

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	City Municipal Council, Bhadravathi Jatpat Nagara, Bhadravathi, Shivamogga Dist	5.83 MLD	1MLD	Working	Complied
2	City Municipal Council, Bhadravathi Sy.no.77/P,75/P,75/1P,74 1/P,64/P,58/1, Seegebagi, CN Road,Bhadravathi, Shivamogga Dist	7.2MLD	2 MLD	Not Working	Not Complied
3	City Municipal Council, Bhadravathi,Sy.No.13, WardNo.22,Ujjinipura, Bhadravathi, Shivamogga	1MLD	0.05 MLD	Working	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
-	-	-	-	-	-

Details of proposed STPs in the State

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
-	-	-	-	-

IV. Details of Industrial Pollution:

- No. of industries in the State:

There are 3 large industries are located in the bank of the Bhadra River.

1. MPM is not working since 7 years.
2. VISL is working intermittently. BF and SMS unit are not working since 6 years.
3. Bhadra Packaids is recycling waste water and comply.

- No. of water polluting industries in the State: 3

- Quantity of effluent generated from the industries in MLD: -

1. The Mysore Paper Mills Ltd, Bhadravathi, Shivamogga Dist. The effluent generation was 29 MLD. MPM is not working since 6 years.
2. Steel Authority Of India Ltd, Visveswarayya Iron and Steel Ltd., Bhadravathi, Shivamogga. The effluent generation was 1520 KLD. Blast Furnance and SMS units are not working. Rerolling Mill and Forging units operating intermittently.
3. Bhadra Packaids Pvt. Ltd, Bommenahalli, Barandur, Badravahti Tq, Shivamogga Dist. The effluent generation is 340 KLD. Recycled back into the process & in washing section after treating in ETP.

- Quantity of Hazardous Sludge generated from the Industries in TPD: -
- Number of industrial units having ETPs: 3
- Number of industrial units connected to CETP: Nil
- Number and total capacity of ETPs (details of existing/ under construction / proposed) : 87400 KLD
- Compliance status of the ETPs: Complied
- Number and total capacity of CETPs (details of existing/ under construction / proposed) : --

Not Applicable (Shivamogga Dist is not having any CETP.

Status of compliance and operation of the CETPs

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

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population:

1 - City Municipal Council, Bhadravathi. Population is 151102

Current Municipal Solid Waste Generation is about 53.8 TPD.

- 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), biometanation, MRF etc :

City Municipal Council, Bhadravathi is having MSW sit processing & disposal at Hiriuru Village, Bhadravathi Tq, Shivamogga Dist.

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) : --
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) : NIL
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : The CMC Bhadravathi is Collecting Solid waste from door to door. The CMC has reported that they have carried out segregation in all 35 wards. The wet waste is composted in the existing solid waste disposal site, the dry recyclable waste are segregated and sent to recyclers.
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)-**Nil**

- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.: --
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers : --
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:---

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
1	53.8 TPD	45 TPD	windrow platform, composting, Leachate treatment plant provided	45 TPD	Plant & Machineries installation work is under completed. Not in operation.

VI. Bio-medical Waste Management:

- Total Bio-medical generation : 290Kg/day
- No. of Hospitals and Health Care Facilities : There are 121 No of Health Care facilities in the Local body located on the Bhadra river stretch including 32 No bedded Health Care facility, 88 No Non bedded Health Care facilities and 01 Veterinary Hospital.
- Status of Treatment Facility/ CBMWTF: The Shivamogga Dist is having one CBMWTF at i.e.M/s.Shushrutha Biomedical Waste Management Society®, Plot.No.31/C Machenahalli,Bhadravathi Tq & Shivamogga Dist.
The unit has obtained Consent and Authorization from the Board for the period up to 30.06.2025.

VII. Hazardous Waste Management:

- No. of Industries generating Hazardous waste : 6
- Treatment Capacity of all TSDFs:

Not Applicable (Shivamogga Dist is not having TSDF Site)

- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: Not Applicable
- Details of on-going or proposed TSDF: Not Applicable

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 1095 TPA
- Treatment/ Measures adopted for reduction or management of plastic waste:

The City Municipal Council, Bhadravathi has prepared By laws for Plastic Waste Management Rule. Plastic raids on Commercial activities are conducted from time to time from City Municipal Council, Bhadravathi and KSPCB.

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

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:--This Office inspected the CMC, Bhadravathi and 3 STP on dated 24.08.2023 and sample was collected and submitted to Central lab on dated 25.08.2023.

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

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

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; July - 2024 month analysis report enclosed as Annexure-1

XIV. Good irrigation practices being adopted by the State:

Adaption of micro irrigation practices such as drip/sprinkler.

XV. Rain Water Harvesting:

Shivamogga Urban Development Authority (SUDA) is insisting Residential Buildings/Commercial Buildings to adopt Rain Water Harvesting in its approval.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

Flood plain zone encroachment details are sought from the Revenue Department.

XVII. Maintaining minimum e-flow of river:

Karnataka Water Resources Department is the concerned Department and it is maintaining the flow as per the Norms.

XVIII. Plantation activities along the rivers:

The Deputy Commissioner has informed the Forest Department Officers to take suitable action for plantation in flood plain zone.

XIX. Development of biodiversity park:

The Deputy Commissioner instructed the Irrigation Department Officials to verify the encroachment if any on the river banks and informed to take suitable action on this issue along with the concerned Department.

XX. Reuse of Treated Water: --

XXI. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: --

XXII. Status of Preparation of Action Plan by the 13 Coastal States: Not Applicable

XXIII. Regulation of Mining Activities in the State/UT:

Mines & Geology Dept is monitoring Sand Mining activity

XXIV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:--

XXV. Overall progress of the month:--

XXVI. Please provide overall progress achieved in terms of all the above points compared to previous month. Regarding the non-compliances and the discharge of raw sewage into the Bhadra River, this Office issued a "Show Cause" notice to CMC, Bhadravathi. A letter was also provided to the Board Office for approval to file a criminal case. In the month of August, all 3 STPs at CMC, Bhadravathi,

were examined. Conducted awareness programmes and Bhadra river bank cleaning work along with CMC, Bhadravathi on October month .

The Meeting was conducted with concerned department with the chairmanship of the DC, Shivamogga on dated 15.11.2023.

The Meeting was conducted with concerned department with the chairmanship of the DC, Shivamogga on dated 11.07.2024.

Sd/-

Environmental Officer,
KSPCB, Shivamogga

National Mission for Clean Ganga

Format for submission of Monthly Progress Report in the NGT Matter

OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Karnataka

Name of the River : BHIMA RIVER
Polluted river stretch : Ghanagapur to Yadgir - 160km
Priority : V
Status as on : 05.08.2024
Overall status of the State:

I. Total Population: Urban Population & Rural Population separately : 36,400

II. Estimated Sewage Generation (MLD): 3.68MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): **Nil**
- Capacity Utilization of existing STPs: **Nil**
- MLD of sewage being treated through Alternate technology: **Nil**
- Gap in Treatment Capacity in MLD: **3.68MLD**
- No. of Operational STPs: **Nil**
- No. of Complying STPs: **Nil**
- No. of Non-complying STPs: **Nil**

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
-	-	-	-	-	-

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	TMC, Jewargi at Sy. No. 21/A/A(21/4/2)	5.83	Started the civil work	Yet to connect the UGD to the newly proposed STP	01 year

Details of proposed STPs in the State

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	Jewargi	5.83	Obtained CFE of the Board for 5.83MLD STP vide CTE-343940 Dtd. 26.06.2024	-

IV. Details of Industrial Pollution:

- No. of industries in the State: **Nil** (There are no industry located in the river stretch)
- No. of water polluting industries in the State: **Nil**
- Quantity of effluent generated from the industries in MLD: **Nil**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **Nil**
- Number of industrial units having ETPs: **Nil**
- Number of industrial units connected to CETP: **Nil**
- Number and total capacity of ETPs (details of existing/ under construction / proposed): **Nil**
- Compliance status of the ETPs: **Nil**
- Number and total capacity of CETPs (details of existing/ under construction / proposed) : **Nil**
- Status of compliance and operation of the CETPs

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

V. **Solid Waste Management:**

- Total number of Urban Local Bodies and their Population : **Town Municipal Council, Jewargi having population of 25,686**
- Current Municipal Solid Waste Generation: **10MT/day, Dry waste – 4MT/day and Wet waste – 6MT/day.**
- 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), bimethanation, MRF etc: **Dry waste from the TMC, Jewargi is sent to Cement industry for co-processing in cement kiln and Wet waste is converted into compost by local body in the designated/authorised solid waste processing site.**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%): **NIL**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction): **Proposed**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : **23**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) : **Dry waste from the TMC, Jewargi is sent to Cement industry for co-processing in cement kiln.**
- 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 side of the rivers-**NIL**

- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers : **Drains-5**, no. of drains having floating racks/screens - **Nil**

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
1	10MT/day	10MT/day	1	10MT/day	-

VI. Bio-medical Waste Management:

- Total Bio-medical generation: **32.5 Kg/day**
- No. of Hospitals and Health Care Facilities: **32 Bedded HCFs and 72 Non Bedded HCFs**
- Status of Treatment Facility/ CBMWTF: **The CBWTFs has provided online continuous monitoring system to incinerator for monitoring of emission. CBWTF has already upgraded their incinerator to meet revised emissions standards as per MOEF Notification 2016.**

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: **Nil**
- No. of Industries generating Hazardous waste: **Nil**
- Treatment Capacity of all TSDFs: **Nil**
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: **Nil**
- Details of on-going or proposed TSDF: **Nil**

VIII. Plastic Waste Management:

- Total Plastic Waste generation: **1.1TPD**

Treatment/ Measures adopted for reduction or management of plastic waste: **Segregated Plastic waste from the TMC Jewargi is sent to Cement industry for co-processing in cement kiln. Draft Policy and Plan for plastic waste management has been prepared by the ULBD and accordingly plastic waste shall be collected from un-organized sectors and from house hold/commercial sectors. Plastic raids (Sales & Shops) were conducted from time to time by Local Body.**

- IX. Details of Alternate Treatment Technology being adopted by the State/UT : **Nil**
- X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment: **Identified**
- XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT: ---
- XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: ----
- XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river.
- XIV. Ground water regulation: ---
- XV. Good irrigation practices being adopted by the State: ---
- XVI. Rain Water Harvesting: ----
- XVII. Demarcation of Floodplain and removal of illegal encroachments: ----
- XVIII. Maintaining minimum e-flow of river: ----
- XIX. Plantation activities along the rivers: ---
- XX. Development of biodiversity park: ---
- XXI. Reuse of Treated Water: ---
- XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: ---
- XXIII. Status of Preparation of Action Plan by the 13 Coastal States: **NA**
- XXIV. Regulation of Mining Activities in the State/UT: ---

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring: **Nil**

XXVI. Overall progress of the month: ---

Please provide overall progress achieved in terms of all the above points compared to previous month.

National Mission for Clean Cauvery

Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020) For the State of Karnataka

Name of the River	Kabini
Polluted river stretch	Nanjangud to Hejjige
Priority	IV
Status as on	July 2024

Overall status of the State:

	Particulars	CMC Nanjangud
I.	Total Population: Urban Population & Rural Population separately	50137
II.	Estimated Sewage Generation (MLD):	5.41

III. Details of Sewage Treatment Plant:

Particulars	CMC Nanjangud
Existing no. of STPs and Treatment Capacity (in MLD):	7
Capacity Utilization of existing STPs:	2
MLD of sewage being treated through Alternate technology:	Nil
Gap in Treatment Capacity in MLD:	3.41
No. of Operational STPs:	1
No. of Complying STPs:	1
No. of Non-complying STPs:	Nil

Details of each existing STP in the State

Name of the Local Body	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
CMC Nanjangud	Sy. No. 24/1, Golur Village, Nanjangud Taluk	7 MLD	2 MLD	Operational	Complied

Details of under construction STPs in the State

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
CMC Nanjangud	Sy. No. 24/1, Golur Village, Nanjangud Taluk	Nil	Nil	60% house hold connections is completed & remaining works is under progress. DPR for Rs. 36.86 Crores is approved for laying UGD network for new extensions & to upgrade the existing STP to SBT Technology. Work is under completion stage	31-03-2021

Details of proposed STPs in the State

Name of the Local Body	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
CMC Nanjangud	Sy. No. 24/1, Golur Village, Nanjangud Taluk	Nil	DPR is approved for Rs.36.86 crores for up gradation of SBT Technology. Work is under completion stage	31.03.2021

IV. Details of Industrial Pollution:

Particulars	
No. of industries in the State:	38
No. of water polluting industries in the State:	38
Quantity of effluent generated from the industries in MLD:	9.03
Quantity of Hazardous Sludge generated from the Industries in TPD:	Nil
Number of industrial units having ETPs:	38
Number of industrial units connected to CETP:	Nil
Number and total capacity of ETPs (details of existing/ under construction / proposed)	No. of ETP-38, Capacity-9.43 Under construction-0, Capacity-0 Proposed-0. Capacity-0
Compliance status of the ETPs:	Complied
Number and total capacity of CETPs (details of existing/ under construction / proposed)	Nil

Status of compliance and operation of the CETPs

Town	No. of industries	Industrial Discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
CMC Nanjangud	NIL	NIL	NIL	NIL

V. Solid Waste Management:

Particulars	CMC Nanjangud
Total number of Urban Local Bodies and their Population	50137
Current Municipal Solid Waste Generation	26 TPD
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), bimethanation, MRF etc	Compost Plant around 6 TPD.
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	Composting gap Existing-6 TPD, Gap-4.66 TPD Sanitary landfill site Existing- Nil, Gap-6.24 TPD
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	31 wards, all are with door to door collection and source segregation is practiced in 24 wards.
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	DPR for Rs. 5.16 Crores is approved to provide sanitary land fill site to dispose 6.24 TPD of rejects and around 9.1 TPD of Dry Waste is segregated and sold in the Market. Proposals for providing 10 TPD compost plant is to be prepared & got it approved. The work of construction of sanitary landfill site is in progress.
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 side of the rivers	NIL
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	5 nos. of drains out of which 2 drains are connected to nearby wet well and 3 drains works are yet to be undertaken.

Status of ULB wise Management of Solid Waste

Name of the ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
CMC Nanjangud	26	6	1	6	31.03.2021.

Bio-medical Waste Management:

Particulars	CMC Nanjangud
Total Bio-medical generation:	0.217 Kg/day
No. of Hospitals and Health Care Facilities:	Bedded: 35 Non Bedded: 50
Status of Treatment Facility/ CBMWTF:	CBMWTF

VI. Hazardous Waste Management:

Particulars	CMC Nanjangud
Total Hazardous Waste generation:	22117 TPA
No. of Industries generating Hazardous waste	10
Treatment Capacity of all TSDFs	Nil
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	4888 TPA
Details of on-going or proposed TSDF	Nil

VII. Plastic Waste Management:

Particulars	CMC Nanjangud
Total Plastic Waste generation:	4 TPD
Treatment/ Measures adopted for reduction or management of plastic waste:	Nil

Particulars	CMC Nanjangud
VIII. Details of Alternate Treatment Technology being adopted by the State/UT	-
IX. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:	06 drains identified and monitored periodically

X.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:	-
I.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:	-
II.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	Status of water quality of polluted rivers in Annexure-1.
III.	Ground water regulation:	As per the District Ground water Authority data submitted for the year 2020 in their Hand Book CMC Nanjangud comes under safer zone as per ground water resources assessment and there is no over exploitation of ground water in the region.
IV.	Good irrigation practices being adopted by the State:	The Dept. of Agriculture has submitted action plan for implementation of following measures: I. General Government Practice of Irrigation is maintained. II. Farmers are made aware to use water optimally.
V.	Rain Water Harvesting:	Rain water harvesting is made mandatory for new constructions, CMC has taken up awareness programmes to educate the people about river flooding during Monsoon
VI.	Demarcation of Floodplain and removal of illegal encroachments:	Nil
VII.	Maintaining minimum e-flow of river:	Flow data given by Chief Engineer CNNL Irrigation South Mysore, Cauvery Neeravari Nigama Limited wrt daily Gauge report of Kabini. As per the report the inflow of the Kabini river is 1707 cusecs as on 04.12.2021
VIII.	Plantation activities along the rivers:	As of now there are no plantations on the banks of river Kabini in the polluted stretch since the area is confined to CMC limit
IX.	Development of biodiversity park:	As of now, there are no Bio diversity parks in this stretch
X.	Reuse of Treated Water:	--
XI.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	--
XII.	Status of Preparation of Action Plan by the 13 Coastal States:	NA
XIII.	Regulation of Mining Activities in the State/UT:	Nil
XIV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	Nil
XV.	Overall progress of the month:	a) With respect to treatment & disposal of sewage effluent the LB has taken steps to operate the

Please provide overall progress achieved in terms of all the above points compared to previous month.

- existing STPs & action plan for up gradation of the existing STPs is being prepared by KUWS&DB & the same is yet to be approved by the Government.
- b) With respect to Solid Waste Management by Municipalities, steps have been taken process the Solid Waste with the existing compost facilities and works followed by tendering for expanding the same along with sanitary land fill sites construction are under progress.
 - c) District level meeting on Polluted river stretches was held on 3-3-2021 under the Chairmanship of Minister C.P Yogeshwar. As per the directions of Minister Local Bodies were directed to use the available funds of the CMC to divert the Missing links of sewage to STP
 - d) Short term tender notification has been called by the KUWS&DB through E-procurement portal tender no: KUWSDB/2021-22/WS/WORK_INDENT2943 on 06-04-2021 with respect to rejuvenation of UGD systems, construction/ upgradation of STPs, providing sewer networks and outfall sewer lines, construction of wetwells, providing rising mains and other related works along with operation and maintenance of STPs as per NGT directions
 - e) As per the proceedings of the meeting conducted on 24.09.2021 under the chairmanship of Hon`ble Subhash Adi Former Judge, High Court of Karnataka and Upa Lokayuktha, Government of Karnataka and Chairperson National Green Tribunal State Level Committee Karnataka Constituted by Hon`ble NGT in OA No 606/2018 , “Missing links sewage effluent discharged into storm water drain shall be diverted to nearby STPs /Wet wells by providing interception and diversion system by adopting low cost treatment facilities”, the same is communicated to ULB’s for further action.
 - f) Flow data given by Chief Engineer CNNL Irrigation South Mysore, Cauvery Neeravari Nigama Limited wrt daily Gauge report of Kabini. As per the report the inflow of the Kabini river is 1707 cusecs as on 04.12.2021
 - g) DPR approved by the Government for laying UGD network for new extensions & to upgrade the existing STP for Rs. 36.86 Crores.
 - h) The tender of Rs. 2731,13,999.00/- has been accepted from M/s Akhil Infra Projects Pvt Ltd, Ballari on 31-12-2021 for the work of “ Providing/Rejuvenation of UGD scheme to Nanjangud city as per NGT standards including O&M for 5 years
 - i) **STP Up gradation to SBT Technology Work is at completion stage and laying UGD network for new extensions work is under progress.**

Sd/-
Environmental Officer
RO-2, Mysuru(Rural)

Annexure-1
XIII Status of Water Quality Assessment of polluted rivers in Annexure-1

Sl. No.	Particulars of sampling locations as per NWMP	Year	DO(mg/l)	BOD(mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
1	D/s of Kabini at Nanjangud Water Supply Intake Point near Debur	July-24	5.3	3.8	170	2200
2	D/S of Kabini from KIADB W/s Intake Point Kallahalli	July-24	7.6	1.5	93	840
3	D/s of Kabini near Bathing Ghat, Nanjangud	July-24	6.5	2.8	240	2100

As per the CPCB classification the river water sample false under **Class “C” – Drinking Water Source with conventional treatment followed by disinfection

Sd/-
Environmental Officer
RO-2, Mysuru(Rural)

National Mission for Clean Ganga

Format for submission of Monthly Progress Report in the NGT Matter

OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Karnataka

Name of the River : KAGINA RIVER
Polluted river stretch : Shahabad to Hongunta -10KM
Priority : IV
Status as on : 05.08.2024

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately : **47,582**

II. Estimated Sewage Generation (MLD): **7.06MLD**

III.Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): **Nil**
- Capacity Utilization of existing STPs: **Nil**
- MLD of sewage being treated through Alternate technology: **Nil**
- Gap in Treatment Capacity in MLD: **7.06MLD**
- No. of Operational STPs: **Nil**
- No. of Complying STPs: **Nil**
- No. of Non-complying STPs: **Nil**

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
-	-	-	-	-	-

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
-	-	-	-	-	-

Details of proposed STPs in the State

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	Shahabad	13.5	-	-

IV. Details of Industrial Pollution:

- No. of industries in the State: **Nil** (There are no industry located in the river stretch)
- No. of water polluting industries in the State: **Nil**
- Quantity of effluent generated from the industries in MLD: **Nil**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **Nil**
- Number of industrial units having ETPs: **Nil**
- Number of industrial units connected to CETP: **Nil**
- Number and total capacity of ETPs (details of existing/ under construction / proposed): **Nil**
- Compliance status of the ETPs: **Nil**
- Number and total capacity of CETPs (details of existing/ under construction / proposed) : **Nil**
- Status of compliance and operation of the CETPs

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

V. **Solid Waste Management:**

- Total number of Urban Local Bodies and their Population : **City Municipal Council Shahabad having population of 47,582**
- Current Municipal Solid Waste Generation: **17.44MT/day, Dry waste – 11MT/day and Wet waste – 5.44MT/day.**
- 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), bimethanation, MRF etc: **Dry waste from the CMC Shahabad is sent to Cement industry for co-processing in cement kiln and Wet waste is converted into composted by local body in the designated/authorised solid waste processing site.**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%): **Nil**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction): **Proposed**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : **27**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) : **Dry waste from the CMC Shahabad is sent to Cement industry for co-processing in cement kiln.**
- 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 side of the rivers : **Nil**
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers : **1**

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
1	17.44MT/day	17.44MT/day	1	17.44MT/day	-

VI. Bio-medical Waste Management:

- Total Bio-medical generation: **12 Kg/day**
- No. of Hospitals and Health Care Facilities: **4 Bedded HCFs and 20 Non Bedded HCFs**
- Status of Treatment Facility/ CBMWTF: **The CBWTFs has provided online continuous monitoring system to incinerator for monitoring of emission. CBWTF has already upgraded their incinerator to meet revised emissions standards as per MOEF Notification 2016.**

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: **Nil**
- No. of Industries generating Hazardous waste: **Nil**
- Treatment Capacity of all TSDFs: **Nil**
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: **Nil**
- Details of on-going or proposed TSDF: **Nil**

VIII. Plastic Waste Management:

- Total Plastic Waste generation: **2TPD**

Treatment/ Measures adopted for reduction or management of plastic waste:
Segregated Plastic waste from the CMC Shahabad is sent to Cement industry for

co-processing in cement kiln. Draft Policy and Plan for plastic waste management has been prepared by the ULBD and accordingly plastic waste shall be collected from un-organized sectors and from house hold/commercial sectors. Plastic raids (Sales & Shops) were conducted from time to time by Local Body.

- IX. Details of Alternate Treatment Technology being adopted by the State/UT : **Nil**
- X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment: **Identified**
- XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT: ---
- XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: ----
- XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river.
- XIV. Ground water regulation: ---
- XV. Good irrigation practices being adopted by the State: ---
- XVI. Rain Water Harvesting: ----
- XVII. Demarcation of Floodplain and removal of illegal encroachments: ----
- XVIII. Maintaining minimum e-flow of river: ----
- XIX. Plantation activities along the rivers: ---
- XX. Development of biodiversity park: ---
- XXI. Reuse of Treated Water: ---
- XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: ---
- XXIII. Status of Preparation of Action Plan by the 13 Coastal States: **NA**
- XXIV. Regulation of Mining Activities in the State/UT: ---
- XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring: **Nil**

XXVI. Overall progress of the month: ---

Please provide overall progress achieved in terms of all the above points compared to previous month.

National Mission for Clean Cauvery

Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020) For the State of Karnataka

Name of the River	Cauvery
Polluted river stretch	Ranganathittu to Sattegala Bridge
Priority	IV
Status as on	July - 2024

Overall status of the State:

Particulars		TMC Srirangapatna
I.	Total Population: Urban Population & Rural Population separately	25069
II.	Estimated Sewage Generation (MLD):	2.7

III. Details of Sewage Treatment Plant:

Particulars	TMC Srirangapatna
Existing no. of STPs and Treatment Capacity (in MLD):	3.6
Capacity Utilization of existing STPs:	2.7
MLD of sewage being treated through Alternate technology:	Nil
Gap in Treatment Capacity in MLD:	Nil
No. of Operational STPs:	1
No. of Complying STPs:	1
No. of Non-complying STPs:	Nil

Details of each existing STP in the State

Name of the Local Body	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
TMC Srirangapatna	Ganjam, Srirangapatna	3.6 MLD	2.7 MLD	Operational	Complied

Details of under construction STPs in the State

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
TMC Srirangapatna	Ganjam, Srirangapatna.	Up gradation of existing 3.6 MLD STP to 5 MLD	Up-gradation of existing 3.6 MLD STP to 5.0 MLD. Work order issued on 09-05-2022	• KUWS&DB has issued work order vide dtd on 09-05-2022. Intersection & diversion civil work of 85% is	31-12-2023

		with SBR Technology		completed. As per the work order the TMC Authorities have informed that the same will be completed within December 2023.	
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Details of proposed STPs in the State

Name of the Local Body	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
TMC Srirangapatna	Chandagalu Road, Ganjam, Srirangapatna.	Up gradation of existing 3.6 MLD STP to 5.0 MLD.	Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 16.30 Crores to divert the sewage discharged in to river through storm water drain. Connecting household to UGD by 3000 houses. Up gradation of existing 3.6 MLD STP to 5.0 MLD. The DPR is approved and work order is issued. Up-gradation of STP work of 40% is completed and the same under progress. under progress.	31-12-2023

Particulars	TMC Srirangapatna
Total number of Urban Local Bodies and their Population	25069
Current Municipal Solid Waste Generation	11.17 TPD
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	• Composting Existing – 1.5 Gap – 3.0 TPD • Sanitary landfill Existing–Nil Gap – 2.34 TPD
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DPR for Rs. 4.43 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. At present the solid waste is dumped in the site without any treatment.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	• Door to door collection 23/23 Wards. • Segregation practice-19 Wards
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Nil
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 side of the rivers	Nil
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	Nos. of drains 3 Nos. of drains having floating racks / screen – Nil

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IV. Details of Industrial Pollution:

Particulars	TMC Srirangapatna
No. of industries in the State:	6
No. of water polluting industries in the State:	1
Quantity of effluent generated from the industries in MLD:	0.0196
Quantity of Hazardous Sludge generated from the Industries in TPD:	Nil
Number of industrial units having ETPs:	1
Number of industrial units connected to CETP:	Nil
Number and total capacity of ETPs (details of existing/ under construction / proposed) in MLD	No. of ETP-1, Capacity-0.022 Under construction-0, Capacity-0 Proposed-0. Capacity-0
Compliance status of the ETPs:	Complied
Number and total capacity of CETPs (details of existing/ under construction / proposed)	Nil

Status of compliance and operation of the CETPs

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

V. Solid Waste Management:

Status of ULB wise Management of Solid Waste

Name of the ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
TMC Srirangapatna	11.17	1.5	Pit Composting	1.5	DPR for Rs. 4.40 Crores is approved for processing of entire MSW. Presently, the work is assigned to contractor. All civil works are completed at integrated development of SWM site and erection of machinery is under progress.

VI. Bio-medical Waste Management:

Particulars	TMC Srirangapatna
Total Bio-medical generation in Kgs/day	54.45 Kg/day
No. of Hospitals and Health Care Facilities:	Bedded: 3 Non Bedded: 19
Status of Treatment Facility/ CBMWTF:	CBMWTF

VII. Hazardous Waste Management:

Particulars	TMC Srirangapatna
Total Hazardous Waste generation:	Nil
No. of Industries generating Hazardous waste	Nil
Treatment Capacity of all TSDFs	Nil
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	Nil
Details of on-going or proposed TSDF	Nil

VIII. Plastic Waste Management:**IX.**

Particulars	TMC Srirangapatna
Total Plastic Waste generation:	0.69
Treatment/ Measures adopted for reduction or management of plastic waste:	Nil

Particulars	TMC Srirangapatna
X. Details of Alternate Treatment Technology being adopted by the State/UT	Nil
XI. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:	3 drain is identified & monitored & the drain is connected to nearby wet well to pump the same to STP.
XII. Details of Nodal Officer appointed by Chief	-

	Secretary in the State/UT:	
XIII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:	-
XIV.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	Status of water quality of polluted rivers in Annexure-1.
XV.	Ground water regulation:	The ground water resources assessment is carried out on Taluka wise (Administrative Units) The State Govt. has taken up various Recharge/Water Conservation Schemes like for augmentation of ground water resources. In respect of semi critical area action plan will be executed with the District Administration to restore the Ground Water Table.
XVI.	Good irrigation practices being adopted by the State:	The Dept. of Agriculture has submitted action plan for implementation of following measures: I. General Government Practice of Irrigation is maintained. II. Farmers are made aware to use water optimally.
XVII.	Rain Water Harvesting:	- Rain water harvesting system is completed at TMC office building, Dr. B.R. Ambidkar Bhavan, near welsely bridge, Gandhinagar SJSRY Community Hall at Ranganathnagar & water filter house at Ganjam Shishu Vihara at K.G. Road, Ganjum will be completed 15th finance tide grant. - As per the details submitted by Sr. Geologist, District Ground Water Authority, to improve the ground water situation rain water harvesting structure and some of the other artificial recharge structures are recommended to be constructed in their premises while giving the permission to extract ground water from the authority.
XVIII.	Demarcation of Floodplain and removal of illegal encroachments:	--
XIX.	Maintaining minimum e-flow of river:	The Cauvery Neeravari Nigam Ltd., is requested to submit the action plan as per MoEF & CC norms during monsoon seasons and same is not submitted
XX.	Plantation activities along the rivers:	Forest Department is requesting to submit the action plan for plantation of saplings on the bank of polluted river stretch of Cauvery the same is not yet submitted.
XXI.	Development of biodiversity park:	-
XXII.	Reuse of Treated Water:	The treated water from the STP is being partially disposed to onland for irrigation.
XXIII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	-

XXIV. Status of Preparation of Action Plan by the 13 Coastal States:	-
XXV. Regulation of Mining Activities in the State/UT:	-
XXVI. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	-
XXVII. Overall progress of the month: Please provide overall progress achieved in terms of all the above points compared to previous month.	<u>a. Sewage Treatment Plant:</u> TMC Srirangatapna - Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 16.30 Crores to divert the sewage discharged in to river through storm water drain. Connecting household to UGD by 3000 houses. Up gradation of existing 3.6 MLD STP to 5.0 MLD. The DPR is approved and work order is issued. Up-gradation of STP work of 40% is completed and the same is under progress. <u>b. Solid Waste Management Details:</u> DPR for Rs. 4.40 Crores is approved for processing of entire MSW. Presently, the work is assigned to contractor. All civil works are completed at integrated development of SWM site and erection of machinery is under progress.

Annexure-1

XIII Status of Water Quality Assessment of polluted rivers in Annexure-1

©	Details of Water Quality Monitoring locations as per NWMP	Month	DO (mg/l)	BOD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
1	D/S of river Cauvery in Ranganathittu Bird sanctuary, SR Patna Taluk, Mandya District	July -2024	7.0	1.6	83	940
2	D/s of left bank of river Cauvery in Mandya Water Supply Intake Point near SR Patna Taluk, Mandya District	July -2024	6.8	2.0	140	1500
3	D/s of right bank of river Cauvery in Srirangapatna Water Supply Intake Point near Wellesly Bridge TMC SR Patna, Mandya District	July -2024	6.9	2.3	120	1200
4	D/S of river Cauvery in Mysore-Bangalore Road Bridge of TMC Srirangapatna, Mandya District	July -2024	6.8	2.2	150	1300

ANNEXURE-2

XIV Status of Ground Water Resource Assessment in Annexure-2

District	Taluka	Net Annual Ground Water Availability (HAM)	Total Ground Water Draft (HAM)	Gap between availability and Draft (HAM)	Stage of Ground Water Development (%)*	Category
Mandya	Srirangapatna	6769.77	2960.12	3809.65	44%	*Safe (≤ 70)
Note:- The ground water resources assessment is carried out on Taluk wise (Administrative Units) The State Govt. has taken up various Recharge/Water Conservation Schemes like for augmentation of ground water resources.						

National Mission for Clean Cauvery

Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020) for the State of Karnataka

Name of the River	Cauvery
Polluted river stretch	Ranganathittu to Sattegala Bridge
Priority	IV
Status as on	July 2024

Overall status of the State:

Particulars		TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura&Harle e Village)	CMC Kollegala	GP Satthegala (Yedkuri Village)	Total
I.	Total Population: Urban Population & Rural Population separately	25069	24430	31498	5671	3264	57149	428	147509
II.	Estimated Sewage Generation (MLD):	2.7	2.63	3.40	0.24	0.14	6.19	0.018	15.318

III. Details of Sewage Treatment Plant:

Particulars	TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura&Harle Village)	CMC Kollegala	GP Satthegala (Yedkuri Village)	Total capacity in MLD
Existing no. of STPs and Treatment Capacity (in MLD):	3.6	3.31	5.5	Nil	Nil	9	Nil	21.41
Capacity Utilization of existing STPs:	2.7	2.63	3.40	Nil	Nil	6	Nil	14.73
MLD of sewage being treated through Alternate technology:	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Gap in Treatment Capacity in MLD:	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No. of Operational STPs:	1	1	1	Nil	Nil	1	Nil	4
No. of Complying STPs:	1	1	1	Nil	Nil	1	Nil	4
No. of Non-complying STPs:	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

- Note:** GP Mullur, GP Harale (Dasanapura&Harle Village) & GP Satthegala (Yedkuri Village) does not have STP and the Sewage effluent from the individual houses are being disposed off in to Septic tank and soak pits.

Details of each existing STP in the State

Name of the Local Body	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
TMC Srirangapatna	Ganjam, Srirangapatna	3.6 MLD	2.7 MLD	Yes	Complied
TMC, T Narasipura	Sy. No. 65/1, Byrapura&Algudu Village, T.N.Pura Taluk, Mysuru	5.5 MLD	3.8 MLD	Operational	STP is under stabilization & not receiving full quantum of sewage
TMC, Bannur	Sy. No. 174/1, 174/2, Yedahalli Village, BannurHobli, Bannur, Mysuru	3.31 MLD	2.36 MLD	Operational	STP consisting of WSP not maintained & operated in scientific manner
CMC, Kollegala	Sy No.930, 934, 946 & 935, Mullur Road, Kollegal Taluk	9.0 MLD	4.5 MLD	4.5 MLD	9 MLD STP is under operation& not receiving full quantum of sewage because of the missing links. UGD works iscompleted but the house to sewer network connection is partially completed. As per the MPR submitted by the CMCKollegala the connection of entire sewer network and other sources of generation of sewage have been connected to the STP barring the isolated areas of HosaAnagalli, Shankanapura, Upparamole and Bendarahalli and Booditittu. The earlier proposed wet wells have been dropped at HosaAnagalli, Shankanapura, Upparamole and

					Bendarahalli and Booditittu and new technology based decentralized local treatment units in the form of mini STP have been proposed for the said area. Hence CMC kollegala has sought time till Aug 2021 for the establishment and commissioning of the proposed mini STP's.
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Details of under construction STPs in the State

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
TMC Srirangapatna	Ganjam, Srirangapatna.	Up gradation of existing 3.6 MLD STP to 5 MLD with SBR Technology	Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 16.30 Crores to divert the sewage discharged in to river through storm water drain. Connecting household to UGD by 300 houses. Up gradation of existing 3.6 MLD STP to 5.0 MLD. The DPR is yet to be approved.	Proposals submitted to Government for taking up I&D works to re connect the sewage in to nearby wetwells and household UGD connections for 3000 houses.	31-03-2021
TMC, T Narasipura	Sy. No. 65/1, Byrapura&Algudu Village, T.N.Pura Taluk, Mysuru	Nil	Nil	4 drains carrying sullage effluent is to be connected to wet well before Micro STP. Work is in Progress. DPR has been prepared and yet to be approved.	31-03-2021
TMC, Bannur	Sy. No. 174/1, 174/2, Yedahalli Village, BannurHobli, Bannur, Mysuru	0.49 MLD	DPR prepared by KUWS&DB, Mysuru for Rs. 58 Crores for laying UGD network for new extension and to upgrade the existing STP to 3.8 MLD with SBT Technology. The construction work is completed.	50% of the town limit is connected to UGD & the remaining houses are yet to be connected. The sewage effluent from Makanahalli Extension is disposed off in to Septic tank and the same is transported to STP for further treatment & disposal.	31-03-2021
GP, Mulluru	-	-	-	Proposed to provide Common Septic tank and soak pit by diverting the sullage	31-03-2021

				joining to river. The Executive Officer, Taluk Panchayath, Kollegalahas submitted a letter stating that under Swatch Bharathmission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullagefor the villages located along the banks of Cauvery river. No Work is in Progress.	
GP Harale (Dasanapura&Harle Village)	-	-	-	Do	31-03-2021
CMC, Kollegala	Sy No.930, 934, 946 & 935, Mullur Road, Kollegal Taluk	9 MLD	80% is completed. since Out of the planned 7 wet wells serving each of the 7 collection networks zones, the construction of 03 wet wells one each for Uppara mole, shankanapura and Hosanagalli is yet to be taken up by the implementing agency i.e., KUWS&DB. The construction of Shankanapura collection zones wet well is delayed has the land issue of the wet well site as enter into illegal litigation in the Karnataka High Court.	KUWS & DB have completed the construction of 9 MLD STP for treatment of sewage generated within the town limit and the same is in operation. As per the MPR submitted by the CMC Kollegala the connection of entire sewer network and other sources of generation of sewage have been connected to the STP barring the isolated areas of HosaAnagalli, Shankanapura, Upparamole and Bendarahalli and Booditittu. The earlier proposed wet wells have been dropped at HosaAnagalli, Shankanapura, Upparamole and Bendarahalli and Booditittu and new technology based decentralized local treatment units in the form of mini STP have been proposed for the said area. Hence CMC kollegala has sought time till Aug 2021 for the establishment and commissioning of the proposed mini STP's.	31-03-2021
Yedkuri Village (GP Sathhegala)	-	-	-	Proposed to provide Common Septic tank and soak pit by diverting the sullage joining to river. The Executive Officer, Taluk Panchayath, Kollegala has	31-03-2021

				submitted a letter stating that under Swatch Bharath mission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullage for the villages located along the banks of Cauvery river. No Work is in Progress.	
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Details of proposed STPs in the State

Name of the Local Body	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
TMC Srirangapatna	Chandagalu Road, Ganjam, Srirangapatna.	Up gradation of existing 3.6 MLD STP to 5.0 MLD.	Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 16.30 Crores to divert the sewage discharged in to river through storm water drain. Connecting household to UGD by 300 houses. Up gradation of existing 3.6 MLD STP to 5.0 MLD. The DPR is yet to be approved.	March - 2021
TMC, T Narasipura	Sy. No. 65/1, Byrapura&Algudu Village, T.N.Pura Taluk, Mysuru	Nil	Nil	Nil
TMC, Bannur	Sy. No. 174/1, 174/2, Yedahalli Village, BannurHobli, Bannur, Mysuru	Upgradation of existing STP to 3.8 MLD with SBT Technology.	Upgradation of existing STP to 3.8 MLD with SBT Technology work is completed.	March - 2021
GP, Mulluru	GP, Mulluru	2 drains is identified & monitored. ZP Chamarajanagar has earmarked an amount of Rs. 3.0 Lakhs for providing Common Sewage collection tank & Common septic tank and soak pit. No physical progress in Field is made upto Feb 2021.	The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath mission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullage for the villages located along the banks of Cauvery river	March - 2021
GP Harale (Dasanapura&Harle Village)	GP Harale (Dasanapura&Harle Village)	5 drains is identified & monitored. ZP Chamarajanagar has earmarked an amount of Rs. 3.0 Lakhs for providing Common Sewage collection tank & Common septic tank and soak pit. No physical progress in Field is made upto Feb 2021	Do	March - 2021

Yedkuri Village (GP Sathhegala)	Yedkuri Village (GP Sathhegala)	1 drains is identified & monitored. ZP Chamarajanagar has earmarked an amount of Rs. 3.0 Lakhs for providing Common Sewage collection tank & Common septic tank and soak pit. No physical progress in Field is made upto Feb 2021.	The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath mission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullage for the villages located along the banks of Cauvery river	March - 2021
CMC, Kollegala	CMC, Kollegala	New STP is under operation	New STP is under operation As per the MPR submitted by the CMC Kollegala the connection of entire sewer network and other sources of generation of sewage have been connected to the STP barring the isolated areas of HosaAnagalli, Shankanapura, Upparamole and Bendarahalli and Booditittu. The earlier proposed wet wells have been dropped at HosaAnagalli, Shankanapura, Upparamole and Bendarahalli and Booditittu and new technology based decentralized local treatment units in the form of mini STP have been proposed for the said area. Hence CMC kollegala has sought time Aug 2021 for the establishment and commissioning of the proposed mini STP's.	-

IV. Details of Industrial Pollution:

Particulars	TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura&Harle Village)	CMC Kollegala	GP Sathhegala (Yedkuri Village)
No. of industries in the State:	6	4	34	Nil	Nil	14	Nil
No. of water polluting industries in the State:	1	3	22	Nil	Nil	5	Nil
Quantity of effluent generated from the industries in MLD:	0.0196	0.027	0.027	Nil	Nil	0.021	Nil

Quantity of Hazardous Sludge generated from the Industries in TPD:	Nil	Nil	Nil	Nil	Nil	0	Nil
Number of industrial units having ETPs:	1	3	22	Nil	Nil	5	Nil
Number of industrial units connected to CETP:	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Number and total capacity of ETPs (details of existing/ under construction / proposed)	No. of ETP-1, Capacity-0.022 Under construction-0, Capacity-0 Proposed-0. Capacity-0	No. of ETP-3, Capacity-0.027 Under construction-0, Capacity-0 Proposed-0. Capacity-0	No. of ETP-22, Capacity-0.027 Under construction-0, Capacity-0 Proposed-0. Capacity-0	Nil	Nil	No. of ETP-5, Capacity-0.021 Under construction-0, Capacity-0 Proposed-1. Capacity-0.018	Nil
Compliance status of the ETPs:	Complied	Nil	Nil	Nil	Nil	Complied	Nil
Number and total capacity of CETPs (details of existing/ under construction / proposed)	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Status of compliance and operation of the CETPs

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
TMC Srirangapatna	Nil	Nil	Nil	Nil
TMC, T Narasipura	Nil	Nil	Nil	Nil
TMC, Bannur	Nil	Nil	Nil	Nil
GP, Mulluru	Nil	Nil	Nil	Nil
GP Harale (Dasanapura&Harle Village)	Nil	Nil	Nil	Nil
CMC, Kollegala	Nil	Nil	Nil	Nil
Yedkuri Village (GP Sathhegala)	Nil	Nil	Nil	Nil

V. Solid Waste Management:

Particulars	TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura&Harle Village)	CMC Kollegala	GP Sathhegala (Yedkuri Village)
Total number of Urban Local Bodies and their Population	25069	24430	31498	5671	3264	57149	428
Current Municipal Solid Waste Generation	11.17 TPD	8.9	10	1.2	0.6	21.0	0.1

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), bimethanation, MRF etc	• Composting Existing – 1.5Gap – 3.0 TPD • Sanitary landfill Existing–Nil Gap – 2.34 TPD	• Composting Existing – 1.5 Gap – 0.64 TPD • Sanitary landfill Existing–Nil Gap – 2.13 TPD	• Composting Existing – Nil Gap – 4.1 TPD • Sanitary landfill Existing–Nil Gap – 2.4 TPD	Nil	Nil	• Composting Existing – 2.0 Gap – 6.61TPD • Sanitary landfill Existing–Nil Gap – 5.0 TPD	Nil
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DPR for Rs. 4.43 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. At present the solid waste is dumped in the site without any treatment.	DPR for Rs. 1.06 Crores is approved to provide compost plant & sanitary land fill site. The work is under progress. At present the solid waste is dumped in the site without any treatment.	DPR for Rs. 4.13 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. One zero waste management site has been established. At present the solid waste is dumped in the site without any treatment.	Nil	Nil	DPR is approved for Rs. 2.5 Crores for procurement of machinery & other accessory to initiate composting & sanitary land fill site maintenance.	Nil
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	• Door to door collection 23/23 Wards. • Segregation practice-19 Wards	• Door to door collection 23/23 Wards. • Segregation practice-13 Wards	• Door to door collection 23/23 Wards. • Segregation practice-6 wards	Nil	Nil	• Door to door collection 31/31 Wards. • Segregation practice-28	Nil
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	Nil	Nil	Nil	Nil	Nil	Nil	Nil

No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	Nos. of drains 3 Nos. of drains having floating racks / screen – Nil	Nos. of drains 2 Nos. of drains having floating racks / screen – Nil	Nos. of drains 4 Nos. of drains having floating racks / screen – Nil	Nos. of drains 2 Nos. of drains having floating racks / screen – Nil	Nos. of drains 5 Nos. of drains having floating racks / screen – Nil	Nos. of drains1 Nos. of drains having floating racks / screen – Nil	Nos. of drains 1 Nos. of drains having floating racks / screen – Nil
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Status of ULB wise Management of Solid Waste

Name of the ULB	Total MSW generation in TPD	Total MSW being processed in TPD	ExistingMSWfacilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
TMC Srirangapatna	11.17	1.5	Pit Composting	1.5	DPR for Rs. 4.40 Crores is approved for processing of entire MSW & currently work is assigned to contractor is going on.
TMC, T Narasipura	10	0	Pit Composting	0	SWM DPR prepared under swaccha Bharath Mission is approved and action is being taken up as per DPR . One zero waste management site has been established. Timeline -30-03-2021
TMC, Bannur	8.9	1.5	Pit Composting,	1.5	DPR has been prepared under SBM and it is in the implementation stage. The work is under progress. Timeline - 30-03-2021
GP, Mulluru	1.2	0	Nil	0	No action plan
GP Harale (Dasanapura&Harle Village)	0.6	0	Nil	0	No action plan
CMC, Kollegala	21.0	2.0	Pit Composting	2.0	As per the MPR submitted by CMC kollegala for Feb 2021 Electrification , drilling of Borewell, installation of macheries are under tender process. Windrow composting method June 2021
Yedkuri Village (GP Satthegala)	0.1	0	Nil	0	No action plan
Total	52.97	5.0		5.0	

VI. Bio-medical Waste Management:

Particulars	TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura&Harle Village)	CMC Kollegala	GP Satthegala (Yedkuri Village)
Total Bio-medical generation in Kgs/day	54.45 Kg/day	16 Kg/day	119.5 Kgs/day	Nil	Nil	103.44 kg/day	Nil
No. of Hospitals and Health Care Facilities:	Bedded: 3 Non Bedded: 19	Bedded: 1 Non Bedded: 4	Bedded: 15 Non Bedded:18	Nil	Nil	Bedded: 09 Non Bedded:31	Nil
Status of Treatment Facility/ CBMWTF:	CBMWTF	CBMWTF	CBMWTF	Nil	Nil	CBMWTF	Nil

VII. Hazardous Waste Management:

Particulars	TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura&Harle Village)	CMC Kollegala	GP Satthegala (Yedkuri Village)
Total Hazardous Waste generation:	Nil	Nil	Nil	Nil	Nil	0.805 TPA	Nil
No. of Industries generating Hazardous waste	Nil	Nil	Nil	Nil	Nil	01	Nil
Treatment Capacity of all TSDFs	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Details of on-going or proposed TSDF	Nil	Nil	Nil	Nil	Nil	Nil	Nil

VIII. Plastic Waste Management:

Particulars	TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura&Harle Village)	CMC Kollegala	GP Satthegala (Yedkuri Village)
Total Plastic Waste generation:	0.69	0.2	0.36	Nil	Nil	0.5 TPD	Nil
Treatment/ Measures adopted for reduction or management of plastic waste:	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Particulars	TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura&H arle Village)	CMC Kollegala	GP Satthegala (Yedkuri Village) Total
IX. Details of Alternate Treatment Technology being adopted by the State/UT	Nil	Nil	Nil	Nil	Nil	Nil	Nil

X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:	3 drain is identified & monitored & the drain is connected to nearby wet well to pump the same to STP.	2 Drains identified and monitored periodically	4 Drains identified and monitored periodically	2 drains is identified & monitored. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharathmission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullage for the villages located along the banks of Cauvery river	5 drains is identified & monitored. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharathmission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullage for the villages located along the banks of Cauvery river	1 drain is identified & monitored. CMC Kollegala is providing UGD network for the entire town & after completion of the same the sewage & sullage entering the said drains is diverted to STP for further treatment & disposal. The UGD work is under progress.	1 drain is identified & monitored. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharathmission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullage for the villages located along the banks of Cauvery river
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:	-						
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:	-						
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	<u>Latest water quality of polluted river stretch for the month of July- 2024 in Annexure-1</u>						
XIV.	Ground water regulation:	CMC Kollegala : As per the details submitted by Sr. Geologist, District Ground Water Authority, Chamarajanagar for the month of Feb 2021, as per the circular KGA/NOC/2019-20 dated 29-05-2019 with reference to Karnataka Act 2011 U/s 17 (K), so as to fulfill						

	the objectives of the Act, in notified taluks and non notified taluks for NOC for the purpose of industrial, commercial, entertainment, infrastructure, mining and others is made compulsory. This subject was discussed in District Ground Water Authority meeting. In this regard, as per the directions, notices has been issued to obtain NOC for extracting groundwater from Karnataka Ground Water Authority / District Ground Water Authority.
XV. Good irrigation practices being adopted by the State:	The Dept. of Agriculture has submitted action plan for implementation of following measures: I. General Government Practice of Irrigation is maintained. II. Farmers are made aware to use water optimally. As per the details submitted by Kaveri Neeravari Nigama for the month of August 2020, Canal System are partially lined, so as to minimize seepage losses. In view of this a DPR proposed from the irrigation department of Kollegala taluk for the work related to Distributaries (D-56 to D-62) under Kabini Right Bank Canal (KRBC). Total cost of Rs.20 crores for modernization of
XVI. Rain Water Harvesting:	As per the details submitted by Sr. Geologist, District Ground Water Authority, Chamarajanagar for the month of October 2020, to improve the ground water situation rain water harvesting structure and some of the other artificial recharge structures are recommended to be constructed in their premises while giving the permission to extract ground water from the authority.
XVII. Demarcation of Floodplain and removal of illegal encroachments:	--
XVIII. Maintaining minimum e-flow of river:	Flow data given by Chief Engineer CNL Irrigation South Mysore, Cauvery Neeravari Nigama Limited wrt daily Gauge report of Cauvery . As per the report the inflow of the Cauvery river is 7260 cusecs as on 04.12.2021
XIX. Plantation activities along the rivers:	Social Forestry Department, Chamarajanagar district in its letter reads that the proposed plan for plantation of saplings on the bank of Cauvery river for about 14.5 Kms in the ensuing monsoon season. The project is yet to be approved and sanctioned. Hence no progress made.
XX. Development of biodiversity park:	As of now, there is no biodiversity parks on T Narasipura Taluk. The Forest Department is requested to submit action plan for the proposed bio diversity parks. The status of the existing and proposed bio diversity parks and its implementations will be executed by March 2021 in coordination with the Forest Department
XXI. Reuse of Treated Water:	-
XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	-
XXIII. Status of Preparation of Action Plan by the 13 Coastal States:	-
XXIV. Regulation of Mining Activities in the State/UT:	-
XXV. Action against identified polluters, law violators and officers responsible for	-

failure for vigorous monitoring	
XXVI. Overall progress of the month: Please provide overall progress achieved in terms of all the above points compared to previous month.	a) With respect to treatment & disposal of sewage effluent the LB's have taken steps to operate the existing STPs & action plan for up gradation of the existing STPs is being prepared by KUWS&DB & the same is yet to be approved by the Government. b) With respect to Solid Waste Management by Municipalities, steps have been taken process the Solid Waste with the existing compost facilities and works followed by tendering for expanding the same along with sanitary land fill sites construction are under progress. c) District level meeting on Polluted river stretches was held on 3-3-2021 under the Chairmanship of Minister C.P Yogeshwar. As per the directions of Minister Local Bodies were directed to use the available funds of the CMC to divert the Missing links of sewage to STP d) As per the proceedings of the meeting conducted on 24.09.2021 under the chairmanship of Hon`ble Subhash Adi Former Judge, High Court of Karnataka and Upa Lokayuktha, Government of Karnataka and Chairperson National Green Tribunal State Level Committee Karnataka Constituted by Hon`ble NGT in OA No 606/2018 , "the missing links sewage effluent discharged into storm water drain shall be diverted to nearby STPs /Wet wells by providing interception and diversion system by adopting low cost treatment facilities" the same is communicated to ULB's for further action. e) Short term tender notification has been called by the KUWS&DB through E-procurement portal tender no: KUWSDB/2021-22/WS/WORK_INDENT2943 on 06-04-2021 with respect to rejuvenation of UGD systems, construction/ upgradation of STPs, providing sewer networks and outfall sewer lines, construction of wetwells, providing rising mains and other related works along with operation and maintenance of STPs as per NGT directions f) Work Order issued by Executive Engineer, KUWS &DB, Mysuru to the M/s. CVK Construction Pvt Ltd., Vide letter dated 08.11.2021 to proceed with the contract for providing/ rejuvenation of UGD scheme to Bannur Town as per NGT standards including O&M for 5 years at a tender price of Rs. 43,10,72,922 as approved by Chief Engineer, KUWS& DB, Mysuru . g) Flow data given by Chief Engineer CNL Irrigation South Mysore, Cauvery Neeravari Nigama Limited wrt daily Gauge report of Cauvery . As per the report the inflow of the Cauvery river is 7260 cusecs as on 04.12.2021 h) The DPR has been prepared and yet to be approved for connecting the missing links across the T Narasipura town to wet well . i) Upgradation of existing Bannur STP to 3.8 MLD with SBT Technology work is completed.

Sd/-
Environmental Officer
RO-2, Mysuru(Rural)

Annexure-1
XIII Status of Water Quality Assessment of polluted rivers in Annexure-1

Sl. No	Details of Water Quality Monitoring locations as per NWMP	Month	DO(mg/l)	BOD(mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
1	D/S of river Cauvery in Ranganathittu Bird sanctuary, SR Patna Taluk, Mandya District					
2	D/s of left bank of river Cauvery in Mandya Water Supply Intake Point near SR Patna Taluk, Mandya District					
3	D/s of right bank of river Cauvery in Srirangapatna Water Supply Intake Point near Wellesly Bridge TMC SR Patna, Mandya District					
4	D/S of river Cauvery in Mysore-Bangalore Road Bridge of TMC Srirangapatna, Mandya District					
5	D/S of river Cauvery Bannur TMC Water supply intake point near Mysore- Bannur Road bridge, T. Narasipura Taluk, Mysore District	July-24	8.2	1.3	110	940
6	D/S of river Cauvery near Mullur Village, Kollegala Taluk, Chamarajanagar District					
7	D/S of Cauvery river near Dasanapura Village, Kollegala Taluk, Chamarajanagar District					
8	D/S of Cauvery river near Sathegala Bridge, Kollegala Taluk, Chamarajanagar District					

****As per the CPCB classification the river water sample false under Class “C” – Drinking Water Source with conventional treatment followed by disinfection.**

Sd/-
Environmental Officer
RO-2, Mysuru (Rural)

National Mission for Clean Ganga

Format for submission of Monthly Progress Report in the NGT Matter OA

No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Karnataka

Name of the River : Krishna
Polluted river stretch : Yadurwadi to Tintinibridge (200 km)
Priority : IV
Status as on : July-2024

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately: **Enclosed as Annexure-1**

II. Estimated Sewage Generation (MLD): **Enclosed as Annexure-1**

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): **01 and 2x1.25 MLD**
- Capacity Utilization of existing STPs: **1.4 MLD**
- MLD of sewage being treated through Alternate technology: **Treated sewage is being reused in the process & Extended Aeration System**
- Gap in Treatment Capacity in MLD: **Nil**
- No. of Operational STPs: **01**
- No. of Complying STPs: **01 (Partially Complied)**
- No. of Non-complying STPs: **Nil**

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Hutti Notified Area, Lingasugur	2x1.25 MLD	1.4 MLD	01	-

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	Nil	Nil	Nil	Nil	Nil

Details of proposed STPs in the State

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	Town Municipal Council, Lingsugur-Tq, Raichur-Dist.	6.82	Submitted to Govt. by MD, KUWS&DB, Bangalore for administrative approval vide letter no 897/2019-20, dated 04/10/2019, Awaiting approval from Govt.	-
2	Town Municipal Council, Deodurga, RaichurDist	5	Submitted to Govt. by MD, KUWS&DB, Bangalore for administrative approval vide letter no 49/2020-21, dated 08/04/2020, Awaiting approval from Govt.	-

IV. Details of Industrial Pollution:

- No. of industries in the State:
- No. of water polluting industries in the State:**01 (M/s Hutti Gold Mines Co., Ltd, Hutti Village, Lingasugur-Tq, Dist- Raichur.**
- Quantity of effluent generated from the industries in MLD:**0.0455 MLD**
- Quantity of Hazardous Sludge generated from the Industries in TPD:**Nil**
- Number of industrial units having ETPs:**M/s Hutti Gold Mines Co. Has installed CSTP of capacity 2.5 MLD.**
- Number of industrial units connected to CETP:**There are no CETP's**
- Number and total capacity of ETPs (details of existing/ under construction / proposed) :**01 M/s Hutti Gold Mines Co. Has installed CSTP of capacity 2.5 MLD (Existing)**

- Compliance status of the ETPs:**Complied**
- Number and total capacity of CETPs (details of existing/ under construction / proposed) :**Nil**
- Status of compliance and operation of the CETPs :**Nil**

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Lingasugur	M/s Hutti Gold Mines Co., Ltd, Hutti Village, Lingasugur-Tq, Dist-Raichur.	0.46 MLD	2x1.25 MLD capacity Common Treatment Plant (Effluent/Sewage)	Existing

V. **Solid Waste Management:**

- Total number of Urban Local Bodies and their Population :**Enclosed as Annexure- II**
- Current Municipal Solid Waste Generation: **Enclosed as Annexure- II**
- 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), bimethanation, MRF etc: **Enclosed as Annexure- II**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) :**Nil**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction): **Nil**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source :**60 No. of Wards**

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) :----
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills:--
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers: --
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers: ---

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
TMC- Deodurga, DeodurgaTq, Raichur Dist.	6 T	0	MSW Site Existing	---	Directions were given to all the concerned Local Bodies to take immediate action to comply with SWM Rules, 2016 from time to time. Target date to comply is 31.12.2020.
TMC Lingasugur, LingasugurTq, Raichur Dist.	14.4 T	0	MSW Site Existing	---	
HuttiTP, LingasugurTq, Raichur Dist.	6 T	0	MSW Site Existing	---	
Hutti Notified Area, LingasugurTq, Raichur Dist.	8 T	0	MSW siteexisting. Further, in Hutti Gold Mines, the wet waste is being digested and bio gas is being produced and utilized for canteen.	---	

VI. Bio-medical Waste Management:

- Total Bio-medical generation:133.5 Kg/day
- No. of Hospitals and Health Care Facilities:Devadurga Tq-59 HCE's ,Lingasugur Tq- 106HCE's, Hutti TP- 04 Nos &

Hutti Notified Area- 01.

- Status of Treatment Facility/ CBMWTF: **Above BMW waste is treated in RIMACT facility, Raichur.**

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:
 1. **Cyanide Tailing- 6,38,540 Tons & stowing sand of 79,152 Tons, (Total 5,59,388 Tons of Cyanide treated ore waste impound in tailing dump).**
 2. **Used Oil- 74 liters**
 3. **Discarded Containers-7112 nos.**
(As per Annual Report From-IV submitted for the year 2019-20).
- No. of Industries generating Hazardous waste: **01**
- Treatment Capacity of all TSDFs :**Nil**
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated :**Nil**
- Details of on-going or proposed TSDF: **Nil**

VIII. Plastic Waste Management:

- Total Plastic Waste generation:
 1. **TMC Devadurga-2TPA (0.005 TPD)**
 2. **TMC Lingasugur- 6.1Ton/A (0.016,TPD)**
 3. **HuttiTP - 0.5TP/A (0.001,TPD)**
 4. **Hutti Notified Area -0.38 TP/A (0.001 TPD)**
- Treatment/ Measures adopted for reduction or management of plastic waste: ---

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

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:**Enclosed as Annexure-III**

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

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

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

- XIV. Ground water regulation: ----
- XV. Good irrigation practices being adopted by the State: -----
- XVI. Rain Water Harvesting: -----
- XVII. Demarcation of Floodplain and removal of illegal encroachments: ----
- XVIII. Maintaining minimum e-flow of river: -----
- XIX. Plantation activities along the rivers: -----
- XX. Development of biodiversity park: -----
- XXI. Reuse of Treated Water: -----
- XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: -----
- XXIII. Status of Preparation of Action Plan by the 13 Coastal States: -----
- XXIV. Regulation of Mining Activities in the State/UT: -----
- XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring : ----
- XXVI. Overall progress of the month: -----

Please provide overall progress achieved in terms of all the above points compared to previous month.

National Mission for Clean Cauvery

Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020) For the State of Karnataka

Name of the River	River Lakshmantheertha
Polluted river stretch	Hunsur to Kattemalavadi
Priority	III
Status as on	July 2024

Overall status of the State:

	Particulars	CMC Hunsur
I.	Total Population: Urban Population & Rural Population separately	50850
II.	Estimated Sewage Generation (MLD):	5.5 MLD

III. Details of Sewage Treatment Plant:

	Particulars	CMC Hunsur
	Existing no. of STPs and Treatment Capacity (in MLD):	3.91 MLD
	Capacity Utilization of existing STPs:	3.91 MLD
	MLD of sewage being treated through Alternate technology:	0
	Gap in Treatment Capacity in MLD:	1.59 MLD
	No. of Operational STPs:	1
	No. of Complying STPs:	0
	No. of Non-complying STPs:	1

Details of each existing STP in the State

Name of the Local Body	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
CMC Hunsur	Kalukunike Village, Hunsur Taluk	3.91 MLD	3.91 MLD	Operational	Not Complied

Details of under construction STPs in the State

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
CMC Hunsur	Kalukunike Village, Hunsur Taluk	Nil	Nil	50% house hold connections is completed & remaining works is under progress DPR for Rs. 80.0 Crores is prepared for laying UGD network for new extensions & to upgrade the existing STP to SBR Technology.	31-03-2021

Details of proposed STPs in the State

Name of the Local Body	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
CMC Hunsur	Kalukunike Village, Hunsur Taluk	Up gradation of existing 3.91 MLD + 4.09 MLD. STP	Revised DPR is prepared by KUWS&DB, Mysuru Division for Rs. 26.80 Crores to divert the sewage discharged in to river through storm water drain by providing additional 2 Nos. of wetwell for 2 drains. Upgradation of existing UGD networks. Upgradation of existing STP 3.91 MLD to 8.0 MLD with SBR Technology. DPR is approved and upgradation work is at completion stage.	March - 2021

IV. Details of Industrial Pollution:

Particulars	CMC Hunsur
No. of industries in the State:	7 Nos.
No. of water polluting industries in the State:	4
Quantity of effluent generated from the industries in MLD:	0.019 MLD
Quantity of Hazardous Sludge generated from the Industries in TPD:	0.007572 TPD
Number of industrial units having ETPs:	4Nos
Number of industrial units connected to CETP:	0
Number and total capacity of ETPs (details of existing/ under construction / proposed)	No. of ETP-4, Capacity-0.019 Under construction-0, Capacity-0 Proposed-0. Capacity-0
Compliance status of the ETPs:	Complied
Number and total capacity of CETPs (details of existing/ under construction / proposed)	0

Status of compliance and operation of the CETPs

Town	No. of industries	Industrial Discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
CMC Hunsur	Not Applicable			

V. Solid Waste Management:

Particulars	CMC Hunsur
Total number of Urban Local Bodies and their Population	50850
Current Municipal Solid Waste Generation	23 TPD
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	• Composting Existing – 9.43 Gap – Nil • Sanitary landfill Existing–Nil Gap – 5.52
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DPR for Rs. 1.76 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. At present the solid waste is dumped in the site without any treatment.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	0
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	• Door to door collection 31/31 Wards.
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Segregationpractice-20 Wards
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 side of the rivers	NIL
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	Nos. of drains 2 Nos. of drains having floating racks / screen – Nil

Status of ULB wise Management of Solid Waste

Name of the ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
CMC Hunsur	23	10	1	10	DPR for Rs. 1.76 Crores is approved for processing of entire MSW & currently work is assigned to contractor is going on.

VI. Bio-medical Waste Management:

Particulars	CMC Hunsur
Total Bio-medical generation:	0.1597 Kg/day
No. of Hospitals and Health Care Facilities:	Bedded: 18 Non Bedded: 50
Status of Treatment Facility/ CBMWTF:	CBMWTF

VII. Hazardous Waste Management:

Particulars	CMC Hunsur
Total Hazardous Waste generation:	0.007575 TPA
No. of Industries generating Hazardous waste	3Nos
Treatment Capacity of all TSDFs	NA
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	NA
Details of on-going or proposed TSDF	NA

VIII. Plastic Waste Management:

Particulars	CMC Hunsur
Total Plastic Waste generation:	0.45 TPD
Treatment/ Measures adopted for reduction or management of plastic waste:	Nil

Particulars	CMC Hunsur
IX. Details of Alternate Treatment Technology being adopted by the State/UT	-
X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:	2 drain is identified & monitored & the drain is yet to be connected.
XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT:	--
I. Details of meetings carried under the Chairmanship Chief of Secretary in the	--

State/UT:	
II. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	Status of water quality of polluted rivers in Annexure-1.
III. Ground water regulation:	As per the District Ground water Authority data submitted for the year 2020 in their Hand Book CMC Hunsur comes under safer zone as per ground water resources assessment and there is no over exploitation of ground water in the region.
IV. Good irrigation practices being adopted by the State:	---
V. Rain Water Harvesting:	Rain water harvesting is made mandatory for new constructions, CMC has taken up awareness programmes to educate the people about river flooding during Monsoon
VI. Demarcation of Floodplain and removal of illegal encroachments:	During the month of September Paper advertisements were issued to the residents located on the banks on the river Lakshmanatheertha about flooding by CMC and early warning arrangement in consultation with revenue department from Cauvery Neeravari Nigam Ltd is carried out
VII. Maintaining minimum e-flow of river:	Flow data of Hydrological observation Sites is available in Central water commission Website and further implementation from irrigation department will be initiated
VIII. Plantation activities along the rivers:	As of now there are no plantations on the banks of river Lakshmantheertha in the polluted stretch since the area is confined to CMC limit
IX. Development of biodiversity park:	As of now, there are no Bio diversity parks in this stretch
X. Reuse of Treated Water:	--
XI. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	--
XII. Status of Preparation of Action Plan by the 13 Coastal States:	NA
XIII. Regulation of Mining Activities in the State/UT:	Nil
XIV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	Nil
XV. Overall progress of the month: Please provide overall progress achieved in terms of all the above points compared to previous month.	a) With respect to treatment & disposal of sewage effluent the LB's have taken steps to operate the existing STPs & action plan for up gradation of the existing STPs is being prepared by KUWS&DB & the same is approved by the Government. b) With respect to Solid Waste Management by Municipalities, steps have been taken process the Solid Waste with the existing compost facilities and works followed by tendering for

	expanding the same along with sanitary land fill sites construction are under progress. c) District level meeting on Polluted river stretches was held on 3-3-2021 under the Chairmanship of Minister C.P Yogeshwar. As per the directions of Minister Local Bodies were directed to use the available funds of the CMC to divert the Missing links of sewage to STP d) As per the proceedings of the meeting conducted on 24.09.2021 under the chairmanship of Hon`ble Subhash Adi Former Judge, High Court of Karnataka and Upa Lokayuktha, Government of Karnataka and Chairperson National Green Tribunal State Level Committee Karnataka Constituted by Hon`ble NGT in OA No 606/2018 , “the missing links sewage effluent discharged into storm water drain shall be diverted to nearby STPs /Wet wells by providing interception and diversion system by adopting low cost treatment facilities” the same is communicated to ULB`s for further action. e) DPR approved by the Government to divert the sewage discharge into river through storm water drain by providing additional 2 Nos. of wetwell for 2 drains, Upgradation of existing STP 3.91 MLD to 8 MLD with SBR technology and UGD networks for Rs. 26.8 Crores. f) Short term tender notification has been called by the KUWS&DB through E-procurement portal tender no: KUWSDB/2021-22/WS/WORK_INDENT2943 on 06-04-2021 with respect to rejuvenation of UGD systems, construction/ upgradation of STPs, providing sewer networks and outfall sewer lines, construction of wetwells, providing rising mains and other related works along with operation and maintenance of STPs as per NGT directions. Qualified tender agencies proposal has to be placed for technical evaluation committee for approval. g) The tender of Rs. 20,12,49,000/- has been assigned to M/s Akhil Infra Projects Pvt Ltd, Ballari on 31-12-2021 for the work of “ Providing/Rejuvenation of UGD scheme to Hunsur city as per NGT standards including O&M for 5 years. h) Upgradation of existing STP 3.91 MLD to 8 MLD with SBR technology is at completion stage and UGD networks work is under progress.
--	--

Sd/-
Environmental Officer
RO-2, Mysuru (Rural)

Annexure-1

XIII Status of Water Quality Assessment of polluted rivers in Annexure-1

Sl. No.	Location	Year	DO(mg/l)	BOD(mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
1	D/S of Lakshmantheertha in New road bridge of Bengaluru-Bhantwala Road at Hunsur town	July-24	5.2	4.8	360	3500
2	D/S of Lakshmantheertha at water barrage near Kattemalalavadi Village	July-24	7.5	4.8	360	3300

**Sd/-
Environmental Officer
RO-2, Mysuru(Rural)**

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No.
673 of 2018 (in compliance to NGT order dated 24.09.2020)
For the State of Karnataka (Netravathi)

Overall status of the State: KARNATAKA (Dakshina Kannada)	
Name of The River	Netravathi
Polluted River Stretch	Netravathi
Priority	Priority - V
Status as on	July -2024
Overall status of the State:	
I	Total Population : Urban Population & Rural Population Separately
	55,073 (As per 2011 census) (The Population is considered within the polluted river stretch of length 50KM)
	Urban Population
	47,901
	Rural Population
	7,172
II	Estimated Sewage Generation (MLD):
	5.95 MLD
III Details of Sewage Treatment Plant	
Existing no. of STPs and Treatment Capacity (in MLD)	
There is no Existing STPs in jurisdiction of Bantwala and one STP of 6 KLD in Belthangady TMC.	
The Bantwala TMC has taken up construction work of providing UGD and the work is under progress	
Capacity Utilization of existing STPs	
NA	
MLD of sewage being treated through Alternate technology	
NA	
Gap in Treatment Capacity in MLD: No. of Operational STPs:	
Since there are no STPs, there is a need to establish STP of adequate capacity to treat the total quantity of sewage (i.e 5.95 MLD) generated from these local bodies.	
No. of Complying STPs:	
NA	
No. of Non-complying STPs:	
NA	

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
Not Applicable					

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
NIL					

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in	Status of Project (at DPR Stage/ Under	Likely Date of Completion
-----	----------	---------------------------------	--	---------------------------

		MLD	Tendering/ Work to be Awarded)	
Nil				

IV Details of Industrial Pollution

No. of industries in the State (D.K District)	There are no waste water generating industries within the purview of local bodies situated on the bank of Netravathi River (on the identified polluted river stretch)
No. of water polluting industries in the State	NA
Quantity of effluent generated from the industries in MLD	NA
Quantity of Hazardous Sludge generated from the Industries in TPD	NA
Number of industrial units having ETPs	NA
Number of industrial units connected to CETP	NA
Number and total capacity of ETPs (details of existing/ under construction / proposed)	NA
Compliance status of the ETPs	NA
Number and total capacity of CETPs (details of existing/ under construction / proposed)	There are no CETP's in the Local bodies situated on the polluted River Stretches.
Status of compliance and operation of the CETPs	NA

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Not applicable				

V Solid Waste Management

Total number of Urban Local Bodies and their Population

The total number of Urban Local Bodies on the bank of Netravathi River along with the population are submitted as below;

Sl No	Local Bodies	Population
1	Town Municipal council, Bantwala, Dakshina Kannada District.	40155
2	Town Panchyath, Belthangadi Taluk, Dakshina Kannada District	7746

Current Municipal Solid Waste Generation	13.89 MT/day
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), Bio-methanation, MRF etc	- The local bodies are practicing the system of door to door collection of segregated municipal solid waste. - The dry recyclable waste such as Paper, wood, Glass etc are being segregated and sent to recyclers.

Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	All local bodies have submitted action plan with time line to bridge gap between Installed Capacity and Current Utilization of processing facilities through District environmental plan as per the NGT Order w.r.t O.A.360 of 2018.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are no C&D waste processing plants.
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	Total No. of wards-38 Door to Door Collection-35 Segregation at Source-23 (As submitted by ULBs in DEP)
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Nil
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 side of the rivers	Nil
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	7

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Bantwala TMC	14	12.2	- Windrows System is adopted for management of wet waste - Management of Material Receiving Facility for dry waste recycling.	100%	There are no Proposed MSW Facilities in this jurisdiction.

VI Bio-medical Waste Management

Total Bio-medical generation:	180 Kg/day
No. of Hospitals and Health Care Facilities	132
Status of Treatment Facility/ CBMWTF	The Bio medical Waste generated from hospitals and HCEs are being handed over to CBMWTF facility provided by M/s. Ramky Enviro Tech Pvt. Ltd., Mulki, D.K. and M/s. Ayush Enviro tech Pvt. Ltd., Padubidre Udupi further treatment and disposal

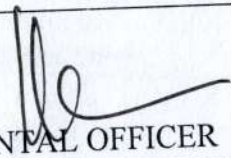
VII Hazardous Waste Management

Total Hazardous Waste Generation	Nil
No of Industries Generating Hazardous Waste	Nil
Treatment Capacity of all TSDFS	There are No TSDF facility proposed in the jurisdiction of RO-Mangalore. The Hazardous waste generated in the District is being sent to TSDF, situated at Bangalore for final treatment & disposal. the other facility like incinerators, Co-processors & Recyclers across the state are also being used for treatment & disposal of Hazardous waste generated from the industries.
Average Quantity of Hazardous Waste reaching the TSDFS and treated	
Details of on-going or proposed TSDF	

VIII Plastic Waste Management		382 MT/A
	Total Plastic Waste generation	
	Treatment/ Measures adopted for reduction or management of plastic waste	- The Single use plastic is totally banned in Karnataka as per GoK Notification No: No. FEE/17EPC2012, Bangalore, dated: 11-03-2016. - There are two waste plastic reprocessing industries in the jurisdiction of RO-Mangalore.
IX	Details of Alternate Treatment Technology being adopted by the State/UT	NA
X	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment	- In the ULB limit most of individual houses are have provided ST & SP for treatment of domestic sewage generated from individual houses. - Revised river rejuvenation action plan submitted on 08.05.2020 with directions to all the stakeholder for complying with the direction issued in the District Level Special Surveillance Task Force(DLSETF) - Proposal for providing Underground drainage system in all areas with terminal STP for 100% treatment of waste water. - Untreated sewage entering in to the rivers should be reduced by laying the drainage network & connecting the domestic sewage in to the terminal sewage treatment plant. - To install STP's for treatment of domestic sewage and scientific disposal facilities for solid waste generated from the villages & town located on the bank of Netravathi River
XI	Details of Nodal Officer appointed by Chief Secretary in the State/UT	NA
XIII	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:	NA
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
XIV	Ground water regulation	The industry authorities are directed to obtain NOC from State/ District Ground water Authority as applicable.
XV	Good irrigation practices being adopted by the State	NA
XVI	Rain Water Harvesting	During the District Level meeting of DLSESTF a directions were given from District Commissioner to all the Concerned Departments to implement the Comprehensive Rain Water System and submit an action taken report.
XVII	Demarcation of Floodplain and removal of illegal encroachments	Directions have been given to Forest Department and Revenue Department to submit details about flood plain zone and to carry out massive plantation and also to notify the Flood Plain Zone (FPZ). Gazing station at Bantwala through District Environmental Plan (DEP)
XVIII	Maintaining minimum flow of river	During the District Level meeting of DLSESTF a directions was given from District Commissioner to all the Concerned Departments to maintaining minimum flow of river and submit an action taken report.
XIX	Plantation activities along the rivers	During the District Level meeting of DLSESTF a directions was given from District Commissioner to all the Concerned Departments to take up Plantation activities along the rivers and submit an action taken report.
XX	Development of biodiversity park	NA
XXI	Reuse of Treated Water	Treated sewage will be reused once STP put into operation.
XXII	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards	If the State identifies the model river, the Action Proposed for achieving the bathing quality standards the directions will be followed.
XXIII	Status of Preparation of Action Plan by the 13 Coastal States	Submitted. Copy of Coastal plan enclosed. Information furnished in the prescribed format for OA No. 829/2019 vide letter dated: 03.01.2020.
XXIV	Regulation of Mining Activities in the State/UT	Regulated by Department of Mines and Geology.
XXV	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	Nil
XXVI	Please provide overall progress achieved in terms of all the above points compared to previous month ➤ Effective implementation of Door to Door collection of solid waste is being done by the ULBs.	

- The household plastic waste is collected and handed over to Authorized plastic waste recyclers.
- TMC Bantwala has started processing their wet waste through windrows composting.
- This office has issued notices to all the urban local bodies to identify site for establishing C&D waste processing facility and obtain the Authorization under C&D Waste management Rules, 2016.
- The Meeting of District Level Special Task Force (STF) was held on 29.12.2021 under the Chairmanship of Deputy Commissioner, D.K (Meeting conducted by Sri Channabasappa, ADC, D.K District) to review the progress with respect to implementation Solid Waste Management Rules 2016.
- In view of the declaration of Dharmastala No Plastic City by Govt of India the meeting was convened with all the State holder who are consuming/using single use plastic in their day to day activities.
- The meeting was attended by Hotel association, Gram Panchayath president, vice president, members, Officials from Zilla panchayath, Grama panchayath Officer, Shop/Commercial establishment, yathiri nivas, maintenance people personal, General publics, Karnataka State Pollution Control Board Officials and selected NGOs of Dharmastala who are engaged in solid waste management at Dharmastala. Each represented have submitted their action plan to be implemented by every State holder including General Public and Travelers for effective implication of ban of single use plastic in the City.
- 75 shops, Hotels, Tourist lodge within Gram Panchyat limit of Dharmastala were inspected on 23.11.2023 and upto 400 Kgs of plastics were seized and Rs 15400/- fine was levied on single use plastics ban violators.
- Dharmastala Grama Panchayath has conducted SUP Awareness through voice clippings in all the door to door solid waste collection vehicles to make regular announcement and to give awareness among general public on day to day solid waste collection vehicles and Conducting regular raids and imposing fine for the violators.
- On 05.02.2024 Dharmasthal Gram Panchayath was declared as SUP Plastic free village by Hon'ble Minister of Forest, Ecology & Environmental Sri Eshwari Khandre and in presence Dr.D.Veerendra Heggade, Member of Parliament in Rajya Sabha.
- News Paper article was published in local Udayavani News paper regarding ban of SUPs and announcement of Dharmastala as single use plastic prohibited city on 06.02.2024 as part of awareness among general public
- Meeting wrt Preparation of action plan on implementation of ban on single use plastic in Mangalore City and Dharmastala Gram Panchayath Mangalore City held on 25.06.2024 at 3rd floor Conference Hall DC Office, Mangalore.
- Formation of task force committee for on implementation of ban on single use plastic in Mangalore City , Dharmastala and All ULB's of Dakshina Kannada District.


 ENVIRONMENTAL OFFICER
 KSPCB, MANGALURU

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020) For the State of Karnataka

Name of the River	SHIMSHA
Polluted river stretch	Yediyur to Halagur bridge
Priority	IV
Status as on	July - 2024

Overall status of the State:

	Particulars	TMC Maddur
I.	Total Population: Urban Population & Rural Population separately	28,902
II.	Estimated Sewage Generation (MLD):	3.5

III. Details of Sewage Treatment Plant:

Particulars	TMC Maddur
Existing no. of STPs and Treatment Capacity (in MLD):	3.5 MLD
Capacity Utilization of existing STPs:	3.5 MLD
MLD of sewage being treated through Alternate technology:	-
Gap in Treatment Capacity in MLD:	Nil
No. of Operational STPs:	01
No. of Complying STPs:	01
No. of Non-complying STPs:	-

Details of each existing STP in the State

Name of the Local Body	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
TMC Maddur	Hole Anjanaiah swamy Temple Road, Maddur	3.5 MLD	3.5 MLD	Yes	Complied

Details of under construction STPs in the State:

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I & D or House sewer connections	Completion Timeline
TMC Maddur	Hole Anjanaiah swamy Temple Road, Maddur	Up gradation of existing 3.5 MLD STP to 6.0 MLD with Aeration Technology	Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 50.15 Crores to divert the sewage discharged into river through storm water drain. Connecting household to UGD by 4000 houses & construction of 2 nos. of wet wells. Upgradation of existing 3.5 MLD STP to 6.0 MLD. The DPR is approved & work has been assigned to KUWS&DB by the Government. The tender is invited by KUWSSB for execution of the work.	• KUWS&DB has issued work order vide dtd on 15-04-2020 to contractor and 98 % of work is completed and 100% of work will be completed within 8 months. • Work order for extension of UGD networks in out growth area and extended area GAP analysis has done by KUWS&DB and proposal sent to Government and the same is yet to approval.	14-04-2022

Details of proposed STPs in the State

Name of the Local Body	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
TMC Maddur	Hole Anjanaiah swamy Temple Road, Maddur	Up gradation of existing 3.5 MLD STP to 6.0 MLD.	Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 50.15 Crores to divert the sewage discharged into river through storm water drain. Connecting household to UGD for 4000 houses & construction of 2 nos. of wet wells and Upgradation of existing 3.5 MLD STP to 6.0 MLD. • UP-gradation of 98 % of STP work is completed and 100% of work will be completed within 8 months.	14-04-2022

			• But other related works like laying network in extension area & household connection etc are 70 % completed & rest of the work will be completed shortly. • Work order for extension of UGD networks in out growth area and extended area GAP analysis has done by KUWS&DB and proposal sent to Government and the same is yet to approval.	
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IV. Details of Industrial Pollution:

Particulars	TMC Maddur
No. of industries in the State:	1
No. of water polluting industries in the State:	1
Quantity of effluent generated from the industries in MLD:	2.9
Quantity of Hazardous Sludge generated from the Industries in TPD:	Nil
Number of industrial units having ETPs:	01
Number of industrial units connected to CETP:	-
Number and total capacity of ETPs (details of existing/ under construction / proposed)	2.9
Compliance status of the ETPs:	Complied
Number and total capacity of CETPs (details of existing/ under construction / proposed)	-

Status of compliance and operation of the CETPs:

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

V. **Solid Waste Management:**

Particulars	TMC Maddur
Total number of Urban Local Bodies and their Population	28,902
Current Municipal Solid Waste Generation	10 TPD
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), bio-methanation, MRF etc	• Composting Existing – 0.0 Gap – 4.1 TPD • Sanitary landfill Existing–Nil Gap – 2.4 TPD • The 70 % of the wet waste is being composted at source level through home composting and 30 % is in a decentralized waste processing plant. • Dry waste is collected by the pourakarmikas and sold to scrap dealers.
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DPR for Rs. 5.25 Crores is approved to provide compost plant & sanitary land fill site & the same is under progress. At present the solid waste is dumped in the site without any treatment. Civil works are under construction stage, vehicle procurement is completed, machineries are yet to be installed.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Land identification is in progress
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	• Door to door collection 23/23 Wards. • Segregation practice-18 Wards
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	DPR for integrated solid waste management is approved for 5.25 Crores, currently civil work is assigned to the contractor and 70 % of the work is completed.
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	3 acres, sanitary landfill is under construction
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	-
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	Nos. of drains - 1 Nos. of drains having floating racks / screen – Nil

Status of ULB wise Management of Solid Waste

Name of the ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
TMC Maddur	10	3.0	De centralized pit composting	3.0	DPR for Rs. 5.25 Crores (Civil work- 4 crore & vehicles 1.25 crores) with 12 % GST & work order for processing of entire MSW waste is issued on 23-03-2020 and currently the civil work is assigned to the contractor and about 70% of the work is completed.

a. Bio-medical Waste Management:

Particulars	TMC Maddur
Total Bio-medical generation:	81.7 Kg/day
No. of Hospitals and Health Care Facilities:	Bedded: 03 Non Bedded: 26
Status of Treatment Facility/ CBMWTF:	Disposed to CBMWTF (M/s. Maridi Eco Solutions)

b. Hazardous Waste Management:

Particulars	TMC Maddur
Total Hazardous Waste generation.	-
No. of Industries generating Hazardous waste	-
Treatment Capacity of all TSDFs	-
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	-
<u>Details of on-going or proposed TSDF</u>	-

c. Plastic Waste Management:

Particulars	TMC Maddur
Total Plastic Waste generation:	3.6 MTPD

Treatment/ Measures adopted for reduction or management of plastic waste:

Awareness programme was carried out to minimize the usage of plastic & regular raid will be carried out.

Particulars	TMC Maddur
VI. Details of Alternate Treatment Technology being adopted by the State/UT	-
VII. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:	One drain is identified & monitored. The analysis reports of the same is awaited.
VIII. Details of Nodal Officer appointed by Chief Secretary in the State/UT:	-
IX. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:	-
X. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	Status of water quality of polluted rivers in Annexure-1.
XI. Ground water regulation:	The ground water resources assessment is carried out on Taluka wise (Administrative Units) The State Govt. has taken up various Recharge/Water Conservation Schemes like for augmentation of ground water resources. In respect of semi critical area action plan will be executed with the District Administration to restore the Ground Water Table.
XII. Good irrigation practices being adopted by the State:	The Dept. of Agriculture has submitted action plan for implementation of following measures. • General Government Practice of Irrigation is maintained in the Maddur Tq. • Farmers are made aware to use water optimally.
XIII. Rain Water Harvesting:	The Department of Revenue and Irrigation have prepared District Disaster Management Plan for the Flood Plains of river Shimsha which is also covered under polluted river stretch. In order to overcome Flood Plains people of nearby villages are warned through early warning arrangement in consultation with revenue department. Further measures required for Flood Plain Management in the polluted river stretch will be implemented.
XIV. Demarcation of Flood plain and removal of illegal encroachments:	
XV. Maintaining minimum e-flow of river:	The Cauvery Neeravari Nigam Ltd., is requested to submit the action plan as per MoEF & CC norms during monsoon seasons and same is not yet submitted

XVI. Plantation activities along the rivers:	The Forest Department is requested submit the action for plantation of saplings on the banks of polluted river stretch of Shimsha and the same is not yet submitted
XVII. Development of biodiversity park:	As of now, there is one Bird Sanctuary in Kokkare bellur in Shimsha river stretch of Maddur Taluk. The Forest Department is requested to submit action plan for the proposed bio diversity parks and the same is not yet submitted. The status of the existing and proposed bio diversity parks and its implementations will be executed in coordination with the Forest Department.
XVIII. Reuse of Treated Water:	Treated water is used on land for irrigation.
XIX. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	-
XX. Status of Preparation of Action Plan by the 13 Coastal States:	-
XXI. Regulation of Mining Activities in the State/UT:	-
XXII. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	-
XXIII. Overall progress of the month: Please provide overall progress achieved in terms of all the above points compared to previous month.	a) With respect to treatment & disposal of sewage effluent the LB have taken steps to operate the existing STPs & action plan for up gradation of the existing STPs is being prepared by KUWS&DB. KUWS&DB has issued work order vide dtd on 15-04-2020 to contractor. • UP-gradation of 98 % of STP work is completed the upgraded STP is under operation. At present the STP operation is maintained KUWS&DB, yet to hand over to TMC. • The other related works like laying network in extension area & household connection etc are 70 % completed & rest of the work will be completed shortly. Work order for extension of UGD networks in out growth area and extended area GAP analysis has done by KUWS&DB and proposal sent to Government and the same is yet to approval. a) With respect to Solid Waste Management by Municipalities, under 15th finance (2021-22) grant Tender is invited for the procurement of GPS tracking System for waste collection vehicles, 4 new auto tippers, one number of lorry tipper, front loader back hoe are procured and installation of CC TV cameras in public areas is completed.

Annexure-1

XIII. Latest water quality of polluted river stretch for the month of July-2024

Sl. No.	Details of Water Quality Monitoring locations as per NWMP	Year	DO (mg/l)	BOD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
1	D/S of river Shimsha near Bangalore-Mysore Road Bridge Maddur, Maddur Tq, Mandya District	July -2024	No Water			
2	D/s of river shimsha near Halgur Road Bridge, Malavalli Tq, Mandya District	July -2024	No Water			

National Mission for Clean Ganga

Format for submission of Monthly Progress Report in the NGT Matter OA

No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Karnataka

Name of the River : Tunga River
Polluted river stretch : 10Km
Priority : V
Status as on : 31.07.2024

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately:

Shivamogga City Corporation Population is 322650 (As on 2011 census)

II. Estimated Sewage Generation (MLD): 47.79MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD):

Existing 2 no of capacity STP of 35.58 MLD STP at Thyvarechatnhalli, & 5.13MLD at Purle Village, Shivamogga Tq & Dist is under operation.

- Capacity Utilization of existing STPs:13.52MLD
- MLD of sewage being treated through Alternate technology: --
- Gap in Treatment Capacity in MLD:34.27
- No. of Operational STPs: 2
- No. of Complying STPs:2
- No. of Non-complying STPs: Nil

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Sy.no.27/1,28P,32,33, 34,35 & 36, Thyvarechatnhalli,	35.58 MLD	14MLD	Working	Complied

	Shivamogga Tq & Dist				
2	City Corporation, Shivamogga, Sy.No.33/ P1, Purle village, Shivamogga Tq & Dist	5.13MLD	0.52 MLD	Working	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	Ghandi Park, Shivamogga City, Shivamogga	0.05MLD	100%	-	Work Completed. But not commissioned

Details of proposed STPs in the State

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
-	-	-	-	-

IV. Details of Industrial Pollution:

- No. of industries in the State:

There are no large industries located on the bank of the Tunga River.

- No. of water polluting industries in the State: -
- Quantity of effluent generated from the industries in MLD: -
- Quantity of Hazardous Sludge generated from the Industries in TPD: -
- Number of industrial units having ETPs: -
- Number of industrial units connected to CETP: Nil
- Number and total capacity of ETPs (details of existing/ under construction / proposed)
: -
- Compliance status of the ETPs: -

- Number and total capacity of CETPs (details of existing/ under construction / proposed) :Not Applicable (Shivamogga Dist. is not having any CETP).
- Status of compliance and operation of the CETPs

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

V. **Solid Waste Management:**

- Total number of Urban Local Bodies and their Population:
1 - City Corporation, Shivamogga. Population is 322650
- Current Municipal Solid Waste Generation is about **170TPD**.
- 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 : City Corporation, Shivamogga is having MSW site at Sy No.198, 202 to 206, 208 to 210, Anupinakatte Village, Shivamogga. Installed capacity is 75TPD (Considering 8 hr Shift) and they operate the unit in two shifts (6.00AM to 10.00PM) to process the MSW.
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) : --
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) : NIL
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : There are 35 wards in Shivamogga Corporation. All 35 wards are covered under Door to Door Collection. All 35 Wards are doing source segregation.

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)-**Nil**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.: --
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers : --
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers: 7 drains.

Smart City Shivamogga has taken up 7 works (Drains) to divert during summer season. (I & D Work).

Additionally, KUWS&DB, Shivamogga, has taken on I and D (Interception & Diversion) works, with 75% of the construction finished and work scheduled to be finished in December 2023.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
1	170TPD	150 TPD (2 Shifts)	windrow platform, composting ,leachate treatment is provided.	75TPD(Considering 8 hr Shift) and they operate the unit in two shifts to process the MSW	Nil

VI. Bio-medical Waste Management:

- Total Bio-medical generation : 1174 Kg/day
- No. of Hospitals and Health Care Facilities: Total No of Hospitals and Health Care Facilities is 431 including 90 No bedded HCF,336 No non bedded HCF and 5 Veterinary Hospital.
- Status of Treatment Facility/ CBMWTF : The Shivamogga Dist is having one CBMWTF i.e.M/s.Shushrutha Biomedical Waste Management Society®, Plot.No.31/C, Machenahalli Indl Area, Bhadravathi Tq,Shivamogga Dist. The unit has obtained Consent and Authorization from the Board for the

period up to 30.06.2025.

VII. Hazardous Waste Management:

- No. of Industries generating Hazardous waste : 38
- Treatment Capacity of all TSDFs:
Not Applicable (Shivamogga Dist. is not having TSDF)
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: Not Applicable
- Details of on-going or proposed TSDF: Not Applicable

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 4318 TPA
- Treatment/ Measures adopted for reduction or management of plastic waste:

The City Corporation, Shivamogga has prepared By laws for Plastic Waste Management Rule. Plastic raids on Commercial activities are conducted from time to time from City Corporation Shivamogga and KSPCB.

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

X. Identification of polluting sources including drains contributing to river pollution and

action as per NGT order on insitu treatment:--This Office has indentified 7 points where drains contributing the river pollution and legal sample was collected on 26.06.2023 the analysis reports are herewith attached for kind perusal and the locations are as follows:

1. Harakere Left Bank of Tunga river Shivamogga
2. Uragadur (Right Bank of Tunga River), Shivamogga :
3. Near Purle , Right Bank of Tunga River), Shivamogga
4. Holebenavalli (Right bank) Shivamogga,
5. Goravinakatte (Left bank)Kudli Suguru Shivamogga,
6. SPM Road, New Mandli, Malavagoppa south Shivamogga Dist,

7. Thevarchatnahalli Shivamogga

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

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

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

This Office is collecting the River Water Samples every month at 2 Locations.

July-2024 month analysis report enclosed as Annexure-1.

XIV. Ground water regulation:

District Ground Water Office has reported that Shivamogga Dist lies under safe zone (There are no over exploited Taluk)

XV. Good irrigation practices being adopted by the State:

Adoption of micro irrigation practices such as drip/sprinkler.

XVI. Rain Water Harvesting:

Shivamogga Urban Development Authority (SUDA) is insisting residential Buildings/Commercial Buildings to adopt Rain Water Harvesting in its approval.

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Flood plain zone encroachment details are sought from the Revenue Department.

XVIII. Maintaining minimum e-flow of river:

Karnataka Water Resources Department is the concerned Department and it is maintaining the flow as per the Norms.

XIX. Plantation activities along the rivers:

The Deputy Commissioner has informed the Forest Department Officers to take suitable action for plantation in flood plain zone.

XX. Development of biodiversity park:

The Deputy Commissioner instructed the Irrigation Department Officials to verify the encroachment if any on the river banks and informed to take suitable action on this issue along with the concerned Department

XXI. Reuse of Treated Water: --

XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: --

XXIII. Status of Preparation of Action Plan by the 13 Coastal States: Not Applicable

XXIV. Regulation of Mining Activities in the State/UT:

Mines & Geology Dept is monitoring Sand Mining activity

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:---

XXVI. Overall progress of the month:---This Office issued Show cause notice to City Corporation ,Shivamogga with respect to the non-compliances and discharging of untreated sewage into the Tunga river and letter also furnished to Board Office for calling CC, Shivamogga for personal hearing at Board Office.

All 3 STPs in City Corporation ,Shivamogga were inspected in the month of June and with respect to the non-compliances recommended to Board to call all ULB authorities for personal hearing at Board Office. Conducted awareness programmes and Tunga river bank cleaning work along with CC, Shivamogga on December -2023 month.

The Meeting was conducted with concerned department with the chairmanship of the DC, Shivamogga on dated 15.11.2023.

The Meeting was conducted with concerned department with the chairmanship of the DC, Shivamogga on dated 11.07.2024.

Sd/-

Environmental Officer,
KSPCB, Shivamogga

National Mission for Clean Ganga

Format for submission of Monthly Progress Report in the NGT Matter OA No.

673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Karnataka

Pertaining to KSPCB Regional Office, Davangere.

Name of the River : Tungabhadra
Polluted river stretch : Honnali to Haralahalli Bridge
Priority : - -
Status as on : 31.07.2024

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately (as per 2011 census data)

1) Davangere (CC): 4,34,971 2) Harihara (CMC): 77,447

3) Honnali (TMC): 17,928

II. Estimated Sewage Generation (MLD): **62.84 MLD and details are as follows;**

CC Davangere – 51.6 MLD

CMC Harihara – 8.84 MLD

TMC Honnali – 2.4 MLD

Total – 62.84 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD):

Davangere: 4 No's of STPs of capacities 14.8 MLD, 20 MLD, 20 MLD & 5 MLD.

Harihara : 18 MLD.

Honnali : 3.3 MLD.

- Capacity Utilization of existing STPs: **62.84 MLD.**
- MLD of sewage being treated through Alternate technology: **Nil**
- Gap in Treatment Capacity in MLD: **Nil**
- No. of Operational STPs: **6 No's**

(Out of 6 STPs only 2 STP has valid CFO)

- No. of Complying STPs: **0 No's**
- No. of Non-complying STPs: **6 No's**

Details of each existing STP in the State

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1	Davangere CC (Kundawada Village)	14.8	9	Operating	Not complied
2	Davangere (shivanagara)	20	16	Operating	Not complied
3	Davangere (shivanagara)	20	16	Operating	Not complied
4	Davangere (Avaragere)	5	3	Operating	Not Complied
5	Harihara CMC	18	8.84	Operating	Not Complied
6	Honnali	3.3	1.8	Under Modification (obtained CFExp for change in Technology from WSP to NEBR)	Not 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	Honnali	3.3 MLD	90 %	Authenticated data Not provided	-

Details of proposed STPs in the State

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
Nil				

IV. Details of Industrial Pollution: (RO, Davangere Revenue District)

- No. of industries in the State: **362 (R+O+G pertaining to Davangere Revenue Dist).**
- No. of water polluting industries in the State: **2. (2 major industries located on River bank, viz; M/s. Harihara Poly fibers and M/s. Grasiline Division of Grasim Industries. These two industries are located in Revenue limits of Haveri District.)**
- Quantity of effluent generated from the industries in MLD: **Consented effluent generation is 49.840 MLD and average quantity effluent generated is 32.5 MLD. (This information is pertaining to M/s. Harihara Poly fibers and M/s. Grasiline Division of Grasim Industries. These two industries are located in Revenue limits of Haveri District)**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **0.0 TPD.**
- Number of industrial units having ETPs: **2. (This information is pertaining to M/s. Harihara Poly fibers and M/s. Grasiline Division of Grasim Industries. These two industries are located in Revenue limits of Haveri District)**
- Number of industrial units connected to CETP: **0**
- Number and total capacity of ETPs (details of existing/ under construction / proposed)
 - **2 ETPs of capacities – 20 MLD of M/s. Grasiline Division (GRD) and 40 MLD of M/s. Harihara Poly fibers (HPF). (These two industries are located in Revenue limits of Haveri District)**
- Compliance status of the ETPs: **Complied with effluent standards.**
- Number and total capacity of CETPs (details of existing/ under construction / proposed) - **NIL**
- Status of compliance and operation of the CETPs - **Nil**

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Kumarapattnum, RanebennurTq, Haveri Dist.	2 (M/s. Harihara Poly fibers and M/s. Grasiline Division of Grasim Industries.)	32.5 MLD	Operating and Complied with the Consent conditions	NIL

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population: **3 No's (pertaining to River stretch)**
Davangere CC – **4,34,971**
Harihar CMC – **77,447**
Honnali TMC – **17,928**

- Current Municipal Solid Waste Generation –

Davangere CC – 170 TPD

Harihar CMC - 30 TPD

Honnalli TMC - 8 TPD

- 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), bio methanation, MRF etc..

Sl.No	ULB	Installed capacity	Type of processing
1	CC Davangere	200 TPD	windrow platform, composting and vermi composting facilities
2	CMC Harihara	35 TPD	composting and vermi composting facilities and Biogas
3	TMC Honnali	8 TPD	Composting.

- Action plan to bridge gap between installed Capacity and Current Utilization of processing facilities (if Gap > 20%): **Nil**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)–**Nil**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source -

ULBs	No of wards	No of wards having door to door collection service	no. of wards practicing segregation at source
Davangere CC	45	45	45
Harihar CMC	31	31	26
Honnali TMC	23	23	22

Note: As per the details submitted by DUDC Davangere.

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) – **Nil**.
- Number and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
- **Not reported.**
- Number and area (in acres) of legacy waste within 1km buffer of both side of the rivers --
Nil

- Number of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers

Sl. No	Number of drains falling into rivers	Number of drains having floating racks/screens
1	4	0

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Davangere CC	170 TPD	170 TPD	Windrow platform, composting and vermi composting facilities	170 TPD	-
Harihar CMC	12 TPD	12 TPD	Provided Biogas facility, composting and vermi composting	12 TPD	-
Honnali TMC	1.5 TPD	1.5 TPD	Composting	1.5 TPD	-

Note: As per the details submitted by DUDC Davangere.

VI. Bio-medical Waste Management:

- Total Bio-medical wastegeneration: **1.77 TPD (As per the 2023-24 Annual report submitted by CBMWTF In Davangere district)**
- Number of Hospitals and Health Care Facilities: **27 (Bedded Hospitals > 30 beds)**
- Status of Treatment Facility/ CBMWTF: The Biomedical wastes generated from the Davangere District is being collected, treated and disposed by **M/s. Sushanth Environmental Technologies., Amaravathi Village, HariharaTq, Davangere.**

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: **(2 major industries located on River bank, viz; M/s. Harihara Poly fibers and M/s. Grasiline Division of Grasim Industries)**
ETP sludge – Nil
Cotton waste & Used oil filters– **2.0 MT/A.**

Used oil – **8.9** KL/Annum.

- Number of Industries generating Hazardous waste: **2**.
- Treatment Capacity of all TSDFs: **Nil (There is no TSDF in Davangere limits)**
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: **Nil**
- Details of on-going or proposed TSDF: **NIL**

VIII. Plastic Waste Management:

There are no plastic waste generating industries in the said Polluted River stretch.

- Total Plastic Waste generation: Nil
- Treatment/ Measures adopted for reduction or management of plastic waste: Nil

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

Nil

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment: **following are the points where drains contributing towards river;**

Sl. No	Location	Type of sewage
1	Hukkadagathri village (Left bank), Harihara Tq, Davangere	Village sewage
2	Harihara Town (Right bank)	City sewage
3	Chikkabidari Village & Sarathi halla (Right bank), Harihara Tq, Davangere.	Village sewage
4	Didagur village (Left bank), Honnali Tq, Davangere	Village sewage

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

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: **No meeting conducted in July Month.**

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; **July** Month analysis report enclosed as **Annexure 1**.

XIV. Ground water regulation: --

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

XVI. Rain Water Harvesting: --

XVII. Demarcation of Floodplain and removal of illegal encroachments: --

XVIII. Maintaining minimum e-flow of river: --

XIX. Plantation activities along the rivers: ---

XX. Development of biodiversity park: --

XXI. Reuse of Treated Water: **District level special Environment surveillance Task force committee chairman has directed M/s. Grasim industries (HPF & GRD) authorities to utilize the treated effluent maximum for various purpose in unit premises and agricultural purpose during the meeting held on 30.11.2022. I/A have informed that, they have established full-fledged ETP comprising of primary treatment, secondary treatment based on Extended Aeration Activated Sludge Process and Tertiary treatment for effluent color removal. The color of the effluent was purely due to lignin in the colloidal suspension form, which is nontoxic to the eco system. However, lignin in small quantity in the effluent imparts a brownish tinge to the effluent thereby creating aesthetic impact on river water.**

XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: --

XXIII. Status of Preparation of Action Plan by the 13 Coastal States: --

XXIV. Regulation of Mining Activities in the State/UT: --

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring ---

XXVI. Overall progress of the month:

Please provide overall progress achieved in terms of all the above points compared to previous month.-

- **Notices were issued to ULBs, whose STP treated water are not confirming to the standards.**
- **Monitoring of river water was carried out on 01.07.2024 and analysis reports are enclosed.**

**Environmental Officer
KSPCB, Davangere**