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	**Till April-2021**

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	2.13
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	
CMC Kanakapura	12°32'26.83"N 77°25'4.99"E	6.29 MLD	3.8 MLD	Operational	
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. **No Work Progress**	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	12°43'24.94"N 77°16'59.69"E	NIL	NIL	NIL
CMC Kanakapura	12°32'26.83"N 77°25'4.99"E	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)	145 industries (Red-29, Orange-43, Green-72)	147

No. of water polluting industries in the State:	0	0	2 industries (both Red category)	145 industries (Red-29, Orange-43, Green-72)	0
Quantity of effluent generated from the industries in MLD:	0	0	0.6027	8.23	8.8327
Quantity of Hazardous Sludge generated from the Industries in TPD:	0	0	2.565 MTPA	2680.152 MTPA	0
Number of industrial units having ETPs:	0	0	2	31	0
Number of industrial units connected to CETP:	0	0	0	14	0
Number and total capacity of ETPs (details of existing/ under construction / proposed)	0	0	No-2 & Capacity-	31	0
Compliance status of the ETPs:	0	0	Complied	Complied	0
Number and total capacity of CETPs (details of existing/ under construction / proposed)	0	0	0	0	0

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	
1. Quantity of MSW generated (TPD)	35.0	20.0	
2. Quantity of MSW Collected(TPD)	35.0	12.0	
3. Quantity of MSW segregated & transported (TPD)	15.0	10.0	
4. Quantity of MSW Processed(TPD)	20.0	7.0	
5. Quantity of MSW disposed in secured landfill site(TPD)	20.0	7.0	
6. Gap in Solid Waste Management			

UTs(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

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-Kanakapura	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	46
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)	
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. **Timeline** - 30-03-2021.
CMC Kanakapura	24	10	24	10	Under construction (will be completed by **Timeline** -30-03-2021)
Total					

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:	0	0	0

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. **Status of Ground Water Resource Assessment in Annexure-2**		
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. I. 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:	
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:	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-2021**	2.9	14	63×10^2	540×10^2
2	Downstream of Kanakapura		BDL	39	1300	16000

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 Distrcit	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
RO-Ramanagara

Format for submission of monthly Progress report by States/ UTs for the Month March-2021
(Hon'ble NGT in the matter of OA No. 673/2018, Dated: 06/12/2019)
(Tamadaddi village to Chikkapdasalagi Village – 33 Kms stretch of Krishna River, Bagalkot District)

Name of the River : Krishna River
Polluted river stretch : Tamadaddi village to Chikkapdasalagi Village – 33 Kms stretch of Krishna River, Bagalkot District
Priority : V
Status as on : Till April-2021

Overall status of the State:

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

a. Urban Population:

Sl. No.	Name	Population
1	CMC, Rabakavi-Banahatti, Jamakhandi-Tq, Bagalkot-Dist.	77,004
2	TMC, Terdal, Jamakhandi-Tq, Bagalkot-Dist.	26,088
Total		**1,03,092**

b. Rural Population:

Sl. No.	Name	Population
1	Gram Panchayat, Tamadaddi	3,101
2	Gram Panchayat, Halingali	7,363
3	Gram Panchayat, Madanamatti	1,207
4	Gram Panchayat, Asangi	5,787
Total		**17,458**

II. **Estimated Sewage Generation (MLD):** 9.95MLD

III. <u>Details of Sewage Treatment Plant:</u>

- **Existing no. of STPs and Treatment Capacity (in MLD):**01& 9.2MLD
- **Capacity Utilization of existing STPs:**9.2MLD

- **MLD of sewage being treated through Alternate technology:**0
- **Gap in Treatment Capacity in MLD:** 0.75MLD
- **No. of Operational STPs:** 1
- **No. of Complying STPs:** 1
- **No. of Non-complying STPs:** 0

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
01.	CMC, Rabakavi-Banahatti, Tq-Jamakhandi, Dist-Bagalkot	9.2MLD	9.2MLD	Operating	Operating

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
01.	TMC-Terdal, Jamakhandi-Tq, Bagalkot-Dist.	0.75MLD	DPR Stage	DPR Stage

IV. Details of Industrial Pollution:

- **No. of industries in the Polluted River stretch:** 07
- **No. of water polluting industries in the Polluted River stretch:**07
- **Quantity of effluent generated from the industries in MLD:** 2.25
- **Quantity of Hazardous Sludge generated from the Industries in TPD:** 00

- **Number of industrial units having ETPs:** 05
- **Number of industrial units connected to CETP:** 00
- **Number and total capacity of ETPs (details of existing/ under construction / proposed):** 05ETPs of total capacity 2.75MLD
- **Compliance status of the ETPs:** Complying
- **Number and total capacity of CETPs (details of existing/ under construction / proposed):** 00
- **Status of compliance and operation of the CETPs:** Not applicable

Town/ village	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Terdal	01	478KLD	500KLD (01 No)- Operating	NA
Hipparagi-Mygur	02	902KLD	1000KLD (01 No)- Operating	NA
Hirepadasalagi	02	630KLD	1000KLD (01 No)- Operating	NA
Asangi	01	242.28KLD	250KLD (01 No)- Operating	NA
Banahatti	01	2.5KLD	5.0KLD (01 No)- Operating	NA

V. **Solid Waste Management:**

- **Total number of Urban Local Bodies and their Population:**

Sl. No.	Name	Population
1	CMC, Rabakavi-Banahatti, Jamakhandi-Tq, Bagalkot-Dist.	77,004
2	TMC, Terdal, Jamakhandi-Tq, Bagalkot-Dist.	26,088
Total		**1,03,092**

- **Current Municipal Solid Waste Generation:**

  The details are enclosed as Annexure-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), biomethanation, MRF etc**

  The details are enclosed as Annexure-1.

- **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**

  a. In CMC, Rabakavi-Banahatti total 31 wards are there and all the wards have door to door collection service.

  b. In TMC, Terdal total 23 wards are there and all the wards have door to door collection service.

- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)**

  The details are enclosed as Annexure-1.

- **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**

  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
CMC, Rabakavi-Banahatti, Jamakhandi-Tq, Bagalkot-Dist	26	26	Vermi Composting	26TPD	---
TMC, Terdal, Jamakhandi-Tq, Bagalkot-Dist	13	0	No Vermi Composting has been practiced. Only landfill site is provided.	0	---

VI. Bio-medical Waste Management:

- **Total Bio-medical generation:** 0.610TPD
- **No. of Hospitals and Health Care Facilities:** 118
- **Status of Treatment Facility/ CBMWTF:**Complying

VII. Hazardous Waste Management:

- **Total Hazardous Waste generation:** 3.45TPD
- **No. of Industries generating Hazardous waste:** 05
- **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:**3.46TPD
- **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 insitu treatment:

Presently there is no any proposal for In-situ, Remediation from the concerned authority. They were informed to appoint a expert to suggest better technology and finalization of technology.

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;

Krishna River

Name of the River: Krishna River

Name of the Station: Asangi Barrage

Station Code: 2763

Sl No.	Month/Parameters	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
1	Dissolved Oxygen	6.5	6	6.9	7	6.7	6.3	6	6.6	4.7	5.9	7.1	7.3
2	BOD	2.4	2.76	2.17	1.38	1.02	1.57	0.66	1.26	0.9	0.96	1.02	1.74
3	Total Coliforms	1600	900	1600	900	1600	900	1600	920	920	1600	920	1600
4	Fecal Coliforms	500	500	900	500	900	500	900	540	540	920	540	920
5	Fecal Streptococci	220	350	220	280	500	350	350	280	350	540	350	540
6	Conductivity	900	886	892	960	348	268	388	578	690	1380	880	998

XIV. Ground water regulation:

Letter addressed to the Senior Geologist, Ground Water Directorate, Bagalkot for compliance.

XV. Good irrigation practices being adopted by the State:

Letter addressed to the Joint Director, Agriculture Department, Bagalkot for compliance.

XVI. Rain Water Harvesting:

Letter addressed to the P.D, DUDC &PD, ZP, Bagalkot for compliance.

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Letter addressed to the DCF, Bagalkot, Karnataka Forest Department for compliance.

XVIII. Maintaining minimum e-flow of river:

Letter addressed to the Executive Engineer, Krishna Bhagya Jala Nigam Ltd., Dam Zone, Almatti, Tq: Basavana Bagewadi, Dist: Vijayapura for compliance.

XIX. Plantation activities along the rivers:

Letter addressed to the DCF, Bagalkot, Karnataka Forest Department for compliance.

XX. Development of biodiversity park:

Letter addressed to the DCF, Bagalkot, Karnataka Forest Department for compliance.

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.

ENVIRONMENTAL OFFICER
RO, KSPCB, BAGALKOT

Annexure-I

Status of Solid Waste Management & Details of Processing Facilities:

Name of the Local Body	Types of Waste/ Characteristic of waste	Generated Quantity (MT/Day)	Collection/Storage facility with capacity (MT/Day)	Disposal/Treatment facility with capacity along with location (MT/Day)	Total Gap with generation & existing treatment facilities if Any (MT/Day)	Proposed action plan /facility to cover gap	Time limit	Remarks	Present Status
CMC, Rabakavi-Banahatti, Jamakhandi-Tq, Bagalkot-Dist	Domestic Waste (Mixed type)	26	26	26	00	—	31-12-2020	The authorities have vermin-composting pit and vermin-composting has been practiced.	Rabakavi-Banahatti generate 26TPD of solid waste and all 26 TPD of solid waste is composted & sold as manure
TMC, Terdal, Jamakhandi-Tq, Bagalkot-Dist	Domestic Waste (Mixed type)	13	13	0	13	—	31-12-2020	No Vermi Composting has been practiced	TMC, Terdal generate 13TPD of solid waste and no treatment & dumped in landfill site
Total		**39**	**39**	**26**	**13**				

ENVIRONMENTAL OFFICER,
RO, KSPCB, BAGALKOT

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 : Till April-2021

Overall status of the State:

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

CMC Bhadravathi Population is 152102. (As on 2014 census)

II. Estimated Sewage Generation (MLD): 14MLD

III. <u>Details of Sewage Treatment Plant:</u>

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

  Existing 2 no of STP 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,Tarikere Road,Bhadravathi, Shivamogga Dist are under operation.

- Capacity Utilization of existing STPs: 3 MLD
- MLD of sewage being treated through Alternate technology: --
- Gap in Treatment Capacity in MLD:5.97
- 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	City Municipal Council, Bhadravathi Jatpat Nagara, Bhadravathi, Shivamogga Dist	5.83 MLD	2MLD	Working	Complied
2	City Municipal Council, Bhadravathi Sy.no.77/P,75/P,75/1P, 741/P,64/P,58/1, Seegebagi,Tarikere Road,Bhadravathi, Shivamogga Dist	7.2MLD		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	City Municipal Council, Bhadravathi,Sy.No.13, WardNo.22,Ujjipura, Bhadravathi,Shivamogga	1MLD	90%		Dec-20

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 4 years.
2. VISL is working intermittently. BF and SMS unit are not working since 2 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 is 29 MLD. MPM is not working since 4 years.
2. Steel Authority Of India Ltd, Visveswarayya Iron and Steel Ltd., Bhadravathi, Shivamogga. The effluent generation is 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) : 87400KLD
- 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. The Industry in this dist are not giving any effluent to 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 152102

  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), biomethanation, MRF etc :

  City Municipal Council, Bhadravathi is having MSW sit processing & disposal at Hiriyuru 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	Composting	20TPD	Nil

VI. Bio-medical Waste Management:

- Total Bio-medical generation : 290Kg/day
- No. of Hospitals and Health Care Facilities: There are 127 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 CBMWTF at Machenahalli i.e.M/s.Shushrutha Biomedical Waste Management Society®,Site.No.31 Machenahalli,Shivamogga Tq & 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:--

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;

Earlier Samples were collected from the drains and Bore well and Results also Submitted along with Action Plan. This Office has collected drains and Bore well samples during December 2020 and results are awaited. This Office is collecting the River Water Samples every month and results are enclosed.

XIV. Ground water regulation:

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

XV. Good irrigation practices being adopted by the State:

Adaptation 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:--

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

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 : Till April-2021
Overall status of the State:

I. Total Population: Urban Population & Rural Population separately : **5,33,587 + 25,686 = 5,59,273**

II. Estimated Sewage Generation (MLD): **2.77MLD**

III. <u>Details of Sewage Treatment Plant:</u>

- 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: **Nil**
- No. of Operational STPs: **Nil**
- No. of Complying STPs: **Nil**
- No. of Non-complying STPs: **Nil**

<u>Details of each existing STP in the State</u>

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	Jewargi	3.25	-	-

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 : **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), biomethanation, 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; **Analysis reports enclosed.**

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	**Till April-2021**

Overall status of the State:

Particulars		**TMC Srirangapatna**	**TMC Bannur**	**TMC Narasipura**	**GP Mullur**	**GP Harale (Dasanapura & Harle 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, Bannur Hobli, 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 is completed but the house to sewer network connection is partially completed. 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 Hosa Anagalli, Shankanapura, Upparamole and Bendarahalli and Boodittu. The earlier proposed wet wells have been dropped at Hosa Anagalli, Shankanapura, Upparamole and Bendarahalli and Boodittu 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 soughted time till Aug 2021 for the establishment and commissioning of the proposed mini STP's.

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. **No Work is in Progress.**	31-03-2021
TMC, Bannur	Sy. No. 174/1, 174/2, Yedahalli Village, Bannur Hobli, 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.	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 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.**	
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 Shankanpura 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 Hosa Anagalli, Shankanapura, Upparamole and Bendarahalli and Booditittu. The earlier proposed wet wells have been dropped at Hosa Anagalli, 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 soughted time till Aug 2021 for the establishment and commissioning of the proposed mini STP's.	31-03-2021
Yedkuri Village (GP Satthegala)	-	-	-	Proposed to provide Common Septic tank and soak pit by diverting the sullage joining to river. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath mission budget is sanctioned for providing septic tank and	31-03-2021

				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.**	

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, Bannur Hobli, Bannur, Mysuru	Up gradation of existing STP to 3.8 MLD with SBT Technology.	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.	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 Satthegala)	Yedkuri Village (GP Satthegala)	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	The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath mission budget	March - 2021

		and soak pit. **No physical progress in Field is made upto Feb 2021.**	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	
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 Hosa Anagalli, Shankanapura, Upparamole and Bendarahalli and Booditittu. The earlier proposed wet wells have been dropped at Hosa Anagalli, 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 soughted time Aug 2021 for the establishment and commissioning of the proposed mini STP's.	-

IV. <u>Details of Industrial Pollution:</u>

Particulars	TMC Srirangapatna	TMC Bannur	TMC Narasipura	GP Mullur	GP Harale (Dasanapura & Harle Village)	CMC Kollegala	GP Satthegala (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 Satthegala)	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 Satthegala (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),	• Composting Existing – 1.5 Gap – 3.0 TPD	• Composting Existing – 1.5 Gap – 0.64 TPD	• Composting Existing – Nil Gap – 4.1 TPD • Sanitary landfill	**Nil**	**Nil**	• Composting Existing – 2.0 Gap – 6.61TPD	**Nil**

Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc	• Sanitary landfill Existing–Nil Gap – 2.34 TPD	• Sanitary landfill Existing–Nil Gap – 2.13 TPD	Existing–Nil Gap – 2.4 TPD			• Sanitary landfill Existing–Nil Gap – 5.0 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.	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

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 & 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 & Harle 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 Bharath	5 drains is identified & monitored. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath	1 drain is identified & monitored. CMC Kollegala is providing UGD network for the entire town & after completion of the same the sewage &	1 drain is identified & monitored. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath mission budget is sanctioned for providing septic tank

					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	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	sullage entering the said drains is diverted to STP for further treatment & disposal. The UGD work is under progress.	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;	**Latest water quality of polluted river stretch for the month of March 2021 in Annexure-1**						
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. **Status of Ground Water Resource Assessment in Annexure-2**						
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:	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:	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.

Remarks: 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 Local Bodies to divert the Missing links of sewage to STP

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	**Feb -21**	6	2.5	260	1200
2	D/s of left bank of river Cauvery in Mandya Water Supply Intake Point near SR Patna Taluk, Mandya District	**Feb -21**	6.7	2.2	330	1100
3	D/s of right bank of river Cauvery in Srirangapatna Water Supply Intake Point near Wellesly Bridge TMC SR Patna, Mandya District	**Feb -21**	6.4	2.1	380	1200
4	D/S of river Cauvery in Mysore-Bangalore Road Bridge of TMC Srirangapatna, Mandya District	**Feb -21**	5.8	3.0	490	1700
5	D/S of river Cauvery Bannur TMC Water supply intake point near Mysore- Bannur Road bridge, T.Narasipura Taluk, Mysore District	**Mar -21**	6.3	2.4	320	1400
6	D/S of river Cauvery near Mullur Village, Kollegala Taluk, Chamarajanagar District	**Feb -21**	5.8	3	390	1400
7	D/S of Cauvery river near Dasanapura Village, Kollegala Taluk, Chamarajanagar District	**Feb -21**	6.5	2	380	1500
8	D/S of Cauvery river near Sathegala Bridge,Kollegala Taluk, Chamarajanagar District	**Feb -21**	6.8	1.8	270	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	Srirangpatna	6769.77	2960.12	3809.65	44%	***Safe (≤ 70)**
Mysuru	T.Narasipura	10244	4978	5266	49	***Safe (≤ 70)**
Ch-nagar	Kollegala	142.23 (MCM)	100.42 (MCM)	41.18 (MCM)	71	***Semi Critical**
Note:- 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.						

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	**Kabini**
Polluted river stretch	**Nanjungud to Hejjige**
Priority	**IV**
Status as on	**Till April-2021**

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. <u>Details of Sewage Treatment Plant:</u>

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**

<u>Details of each existing STP in the State</u>

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 prepared for laying UGD network for new extensions & to upgrade the existing STP to SBT 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 Nanjangud	Sy. No. 24/1, Golur Village, Nanjangud Taluk	Nil	DPR is prepared for Rs.36.86 crores for up gradation of SBT Technology	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), biomethanation, 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:	CMC Nanjangud comes under safer zone as per ground water resources assessment and there is no over exploitation of ground water in the region**.** **Status of Ground Water Resource Assessment in Annexure-2**
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 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 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: 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 has 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.

Remarks: 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

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	**Mar-21**	**6.4**	**1.5**	**320**	**1400**
2	D/S of Kabini from KIADB W/s Intake Point Kallahalli	**Mar-21**	**6.5**	**1.8**	**170**	**110**
3	D/s of Kabini near Bathing Ghat, Nanjangud	**Mar-21**	**6.2**	**2.5**	**490**	**2400**

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
Mysuru	Nanjangud	10658	4762	5896	45.00	***Safe (≤ 70)**
Note:- 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.						

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 : Till April-2021
Overall status of the State:

I. Total Population: Urban Population & Rural Population separately : **5,33,587 + 47,582 = 5,81,169**

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

III. <u>Details of Sewage Treatment Plant:</u>

- 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: **Nil**
- No. of Operational STPs: **Nil**
- No. of Complying STPs: **Nil**
- No. of Non-complying STPs: **Nil**

<u>Details of each existing STP in the State</u>

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), biomethanation, 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; **Analysis reports enclosed.**

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 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 (River Kali)

Name of the River : Kali
Polluted river stretch : Hasan maad to Bommanahalli reservoir (10km)
Priority : IV
Status as on : Till April-2021

Overall status of the State:

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

Urban Population-52069 (2011 census) and Rural population is about 1000.

II. Estimated Sewage Generation (MLD): 8.5MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD):
  Existing STP-NIL.
  In Dandeli CMC limit maximum no. of individual houses are having ST & SP for toilet blocks. Now, authority has proposed 100% UGD with STP. UGD laying and STP work is under progress, the CMC-Dandeli has committed to complete the work in two year.
- Capacity Utilization of existing STPs: NA
- MLD of sewage being treated through Alternate technology:
  In Dandeli CMC limit maximum no. of individual houses are having ST & SP for toilet blocks.
- Gap in Treatment Capacity in MLD: NA
- No. of Operational STPs: NIL
- 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
1	NA	NA	NA	NA	NA

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	Completion Timeline

			%	connections	
1	CMC-Dandeli (Halamaddi)	8.5	UGD-55 % And STP-45%	Under progress	2022

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	NIL	NA	NA	NA

IV. Details of Industrial Pollution:

- 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:
  Present maximum quantity of effluent generation is about 55MLD (consented 85.885MLD).
- Quantity of Hazardous Sludge generated from the Industries in TPD:
  15.0 KL/Annuam
- 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): 01,
  85.885 MLD capapcity and is under operation.
- Compliance status of the ETPs: Complied.
- Number and total capacity of CETPs (details of existing/ under construction / proposed): Not Applicable.
- Status of compliance and operation of the CETPs: Not Applicable

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

V. **Solid Waste Management:**

VI. Total number of Urban Local Bodies and their Population: ULB- 01 (CMC-Dandeli), Population: 52069 (2011 census).

- Current Municipal Solid Waste Generation: 18 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:

  CMC is practicing the system of door to door collection of segregated municipal solid waste. The wet waste is composted (vermin compost) in the identified the solid waste disposal site, the dry recyclable waste such as Plastic waste and E-waste are segregated and sent to recyclers. However, they are yet to provide sanitary landfill facility for the disposal of inerts. Construction of sanitary landfill site is under progress. The CMC is yet to identify a dedicated site for processing and disposal of Construction and demolition waste generated in the town.
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%): Adequate
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction): NIL- The CMC is yet to identify a dedicated site for processing and disposal of Construction and demolition waste generated in the town. At present C & D wastes were being collected and stored in SWM site premises.
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source:

  Total 31 wards practicing door to door collection service, and practicing segregation at source.
- 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:

  5Nos and all are provided with screens.

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

CMC-Dandeli	18	17	Vermi -Composting, Wind Row flat form, Dry Waste segregation and collection shed.	17TPD	Landfill construction 80% completed.

VII. Bio-medical Waste Management:

- Total Bio-medical generation: 5MTA
- No. of Hospitals and Health Care Facilities: 36
- Status of Treatment Facility/ CBMWTF: There is a Common Biomedical waste treatment Facility in the district by name M/s. Kenara IMA common bio-medical Waste Treatment Facility which is collecting the biomedical waste from this town also. Health care establishments have made MoU with the Common facility and they in turn pick up the waste and disposing in their facility.

VIII. Hazardous Waste Management:

- Total Hazardous Waste generation: 15KL/Annum
- No. of Industries generating Hazardous waste: 01
- Treatment Capacity of all TSDFs: Not Applicable
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: Not Applicable
- Details of on-going or proposed TSDF: Not Applicable

IX. Plastic Waste Management:

- Total Plastic Waste generation: 36.5 TPA
- Treatment/ Measures adopted for reduction or management of plastic waste:
  Banned plastic sale and usage was banned in the city and other plastic wastes with calorific value are being collected and sent to Cement industry for further treatment (CO-incineration at Kiln).

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

XI. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment: In Dandeli CMC limit maximum no. of individual houses are having ST & SP for toilet blocks. Now, authority has proposed 100% UGD with STP. UGD laying and STP work is under progress, the CMC-Dandeli has committed to complete the work in one year. polluting sources including drains contributing to river pollution are being connected 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: Till date six number of District Level Special Environment Surveillance Task Force Meetings were conducted under the Chairmanship of Deputy Commissioner.

XIV. 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-1**

XV. Ground water regulation:

The authority of District Ground Water Department informed that there are no critical blocks in the district.

XVI. Good irrigation practices being adopted by the State:

Yes- Farmers are practicing micro irrigation technologies as a part of good irrigation practices. Adoption of Micro irrigation practices for all the crops and making Micro irrigation technology easily accessible at the rural level. Usage of ground water should be minimized and after installation and operation of STP by CMC-Dandeli, the treated sewage shall be utilized for irrigation activity in the surrounding area. Farmers being insisted to adopt mirco-irrigation practice to reduce the water requirements.

XVII. Rain Water Harvesting: Directions given to agricultural/irrigation department to organize awareness programmes in farmers to conserve water and good irrigation practices to be adopted and is under progress.

XVIII. Demarcation of Floodplain and removal of illegal encroachments: Area comes under reserved forest and action will be taken Concern Department (forest department). Department of forest has submitted DPR for protection and management of flood plain zone and accordingly work is under progress.

XIX. Maintaining minimum e-flow of river: Directions given to M/s. KPC Ltd., for maintaining minimum environmental flow of river. Monthly Average Data for the year 2020 is attached as **Annexure-2**

XX. Plantation activities along the rivers: Department of Forest has submitted DPR for protection and management of flood plain zone.

XXI. Development of Biodiversity Park: Area comes under reserved forest and work is under progress.

XXII. Reuse of Treated Water: Treated sewage will be reused once STP put into operation.

XXIII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: Directions being followed.

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

Information furnished in the format in OA No. 829/2019 through email on 29/9/2020 and Action plan forwarded to Board Office on 10/12/2020. District Level Special Environment Surveillance Meeting held on 4/02/2021 and in this meeting along with polluted river stretch, discussion held on Coastal pollution with concern departments.

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

Being monitored and regulated by Department of Mines and Geology.

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

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Environmental Officer,
KSPCB, RO, Karwar

Annexure-1												
River Kali-Analysis report of water sample collected from Kali River under MINARS programme(Jan-2020 to March-2021)												
Month	Upstream of m/s west coast paper mills, Dandeli						Downstream of m/s west coast paper mills, Dandeli					
	pH	DO(mg/l)	BOD (mg/l)	F.Coli(MPN/100ml)	T.Coli(MPN/100ml)	Fecal Stretococci(MPN/100ml)	pH	DO(mg/l)	BOD (mg/l)	F.Coli(MPN/100ml)	T.Coli(MPN/100ml)	Fecal Stretococci(MPN/100ml)
Jan'20	7.2	7.8	2.6	75	345	21	7.1	7.6	2.9	79	348	25
Feb'20	6.7	7.8	2.3	122	410	19	6.9	7.6	2.6	131	440	24
Mar'20	6.8	7.6	2.5	111	432	21	7.1	7.5	2.7	131	473	18
Apr'20	7.1	7.6	2.2	107	415	16	7.2	7.4	2.4	116	432	19
May'20	7.2	7.8	2.3	94	212	21	7.1	7.6	2.6	120	253	24
Jun'20	7.2	7.8	2.4	93	221	21	7.3	7.6	2.7	124	278	25
Jul'20	7.1	7.6	2.3	119	209	18	7.2	7.7	2.6	137	302	21
Aug'20	7.3	7.8	2.4	106	153	12	7.4	7.6	2.8	119	261	17
Sept'20	7.1	6.9	2.4	63	120	14	7.2	7.2	2.6	84	175	17
Oct'20	7.1	7.7	2.3	94	180	8	7.3	7.5	2.5	109	212	10
Nov'20	7.2	7.6	2.4	58	120	7	7.3	7.5	2.7	63	141	9
Dec'20	7.3	7.8	2.3	111	163	10	7.1	7.6	2.5	122	252	16
Jan'21	7.2	7.8	2.4	44	120	8	7.3	7.6	2.6	64	162	10
Feb'21	6.9	7.8	2.2	48	130	11	7.1	7.6	2.4	56	176	12
Mar'21	**7.3**	**7.7**	**2.3**	**39**	**141**	**9**	**7.4**	**7.5**	**2.5**	**48**	**172**	**11**

Sd/-
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KSPCB, RO, Karwar

Drains leading to River Kali: Analysis report of Sullage/sewage water samples collected from many points before joining to River Kali

Annexure-1

SL. No	Locations	Date Of sampling	pH	BOD(mg/l)	Fecal Coliform (MPN/100ml)	Total Coliform (MPN/100 ml)
1	**Halmadi Nalla, Dandeli 15.245756 N, 74.635991 E**	12/12/2018	7.2	54	-	-
		22-02 -19	6.9	14	-	-
		1/1/2020	7.3	18	212	698
		13-02-20	6.6	14	-	-
		2/9/2020	6.8	13	120	336
		9/10/2020	6.6	12	114	278
		6/11/2020	7.4	14	120	221
		22/12/2020	6.9	12	46	177
		5/1/2021	7.2	18	46	180
		5/2/2021	6.8	21	43	154
		15/03/2021	**6.7**	**17**	**43**	**148**
2	**Bailpar Bridge Cross, Old Dandeli 15.235565 N, 74.617418 E**	1/1/2020	7.7	22	-	-
		13-02-20	7.3	13	-	-
		22-12-20	6.7	9.2	58	221
		5/1/2021	6.9	13	48	219
		5/2/2021	6.8	20	48	177
		15/03/2021	**6.6**	**19**	**32**	**148**
3	**Opp Gate-3 of West Coast Paper Mills Ltd, Dandeli 15.246695 N, 74.630080 E**	21-02-19	6.7	9	-	-
		1/1/2020	6.9	28	120	503
		13-02-20	6.9	17	-	-
		9/10/2020	6.7	14	84	177
		6/11/2020	7.4	15	84	148
		22/12/20	7.2	13	34	141
		5/1/2021	7.2	17	39	148
		5/2/2021	6.9	19	17	76
		15/03/2021	**6.8**	**15**	**21**	**70**
4	**Mirachigalli Bridge, Old Dandeli 15.243819 N, 74.622409 E**	21-02-19	6.8	11	-	-
		1/1/2020	7.8	18	109	515
		13-01-20	6.5	14	-	-
		9/10/2020	6.3	11	63	148
		6/11/2020	7.2	13	94	172
		22/12/2020	6.9	14	39	177
		5/1/2021	6.7	19	41	175
		5/2/2021	6.7	17	58	221
		15/03/2021	**6.6**	**20**	**63**	**212**
5	**Behind DSFA, Patel Nagar bridge, Dandeli 15.248093 N, 74.605713 E**	21-02-19	7.1	16	-	-
		1/1/2020	7.7	19	94	366
		13-02-20	7.7	12	-	-
		6/11/2020	7.5	11	14	32
		22/12/2020	7.5	8	15	63
		5/1/2021	7.2	14	15	58
		5/2/2021	7.1	18	58	175
		15/03/2021	**6.9**	**17**	**39**	**172**

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Environmental Officer
KSPCB, RO, Karwar

Annexure-1

Stream joining to River Kali-Analysis report of water sample collected from streams

Sl. No	Stream Name	Month	Stream joining to River Kali								
			pH	BOD (mg/l)	Conductivity (µc/cm)	Boron (mg/l)	Fe (mg/l)	Floride (mg/l)	Phosphate (mg/l)	Sulphate(mg/l)	Nitrite (mg/l)
1	Karkal Hana	July' 20	7.2	2.6	186	0.12	BDL	0.2	0.006	5.2	BDL
		Aug'20	6.8	2.4	99	0.06	BDL	0.2	BDL	2.8	BDL
		Sept'20	7.1	2.6	134	0.09	BDL	0.2	0.008	3.8	BDL
		Oct'20	7.4	2.4	97	0.11	BDL	0.2	0.01	1.9	BDL
		Nov'20	6.7	2.4	68	0.13	BDL	0.2	0.007	1.5	BDL
		DEc'20	6.8	2.5	64	BDL	BDL	0.2	0.006	1.2	BDL
		Jan'21	6.8	2.5	51	BDL	BDL	0.2	0.005	1.1	BDL
		Feb'21	6.7	2.3	56	BDL	BDL	0.2	BDL	0.85	BDL
		Mar' 21	**6.7**	**2.3**	**64**	**BDL**	**BDL**	**0.2**	**BDL**	**1.3**	**BDL**
2	Upstream of Halmadi Nalla (before sewage entry)	July' 20	7.2	2.8	534	0.21	BDL	0.3	0.009	12.3	BDL
		Aug'20	6.9	2.6	369	0.18	BDL	0.2	0.006	10.3	BDL
		Sept'20	7	2.2	168	0.12	BDL	0.2	BDL	4.3	BDL
		Oct'20	7.5	2.4	94	0.11	BDL	0.2	0.005	3.1	BDL
		Nov'20	6.5	2.2	93	0.13	BDL	0.2	0.006	3.5	BDL
		Dec'20	6.6	2.4	70	0.11	BDL	0.2	0.007	2.2	BDL
		Jan'21	6.7	2.6	60	BDL	BDL	0.2	0.006	1.8	BDL
		Feb'21	7.2	2.7	85	BDL	BDL	0.2	0.007	3.1	BDL
		Mar' 21	**6.7**	**2.6**	**89**	**BDL**	**BDL**	**0.2**	**0.006**	**3.5**	**BDL**
3	Upstream of Barchi Nalla	July' 20	-	-	-	-	-	-	-	-	-
		Aug'20	7.2	2.6	87	0.06	BDL	0.2	BDL	2.3	BDL
		Sept'20	6.9	2.8	157	0.11	BDL	0.2	0.008	7.6	BDL
		Oct'20	6.9	2.5	90	0.09	BDL	0.2	0.006	1.1	BDL
		Nov'20	6.8	2.6	76	0.1	BDL	0.2	0.005	1.3	BDL
		Dec'20	7.2	2.3	61	0.085	BDL	0.2	0.006	1.1	BDL
		Jan'21	6.9	2.1	62	BDL	BDL	0.2	BDL	1.4	BDL
		Feb'21	6.8	2.3	60	BDL	BDL	0.2	BDL	1.7	BDL
		Mar' 21	**6.7**	**2**	**56**	**BDL**	**BDL**	**0.2**	**BDL**	**1.5**	**BDL**
4	Downstream of Barchi Nalla at Maulangi	July' 20	-	-	-	-	-	-	-	-	-
		Aug'20	6.9	2.3	64	BDL	BDL	0.2	BDL	1.6	BDL
		Sept'20	7.1	2.5	188	0.15	BDL	0.2	0.009	7.3	BDL
		Oct'20	7.3	2.3	110	0.12	BDL	0.2	0.008	2.1	BDL
		Nov'20	6.7	2.5	80	0.085	BDL	0.2	0.009	1.6	BDL
		Dec'20	6.8	2.1	65	0.076	BDL	0.2	0.007	1.4	BDL
		Jan'21	7.1	2.2	66	BDL	BDL	0.2	BDL	1.6	BDL
		Feb'21	6.9	2.4	62	BDL	BDL	0.2	BDL	1.6	BDL
		Mar' 21	**6.8**	**2.2**	**60**	**BDL**	**BDL**	**0.2**	**BDL**	**1.5**	**BDL**

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Environmental Officer
KSPCB, RO, Karwar

Annexure-2

Status of E-Flow of River - Kali (Monthly Average in Cusecs)

20-Jan	20-Feb	20-Mar	Aprl-20	20-May	20-Jun	20-Jul	20-Aug	20-Sep	20-Oct	20-Nov	20-Dec	21-Jan	**21-Feb**	**21-Mar**
4979.4	6039.1	8464.4	6356.8	5612.5	5311.7	3590.3	469.8	435.6	826.2	1951.6	2963.5	3323.5	**3776.6**	**5680.5**

Sd/-
Environmental Officer
KSPCB, RO, Karwar

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 Tintini bridge (200 km)
Priority : IV
Status as on : Till April-2021

Overall status of the State:

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

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

III. <u>Details of Sewage Treatment Plant:</u>

- 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**

<u>Details of each existing STP in the State</u>

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), biomethanation, 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 Words**
- 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	---	
Hutti TP, LingasugurTq, Raichur Dist.	6 T	0	MSW Site Existing	---	
Hutti Notified Area, LingasugurTq, Raichur Dist.	8 T	0	MSW site existing. 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- 106 HCE'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. **Hutti TP - 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 in situ 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.

Annexure-1

Sl.No	Local Body	Population-2011	Quantity of sewage geration in MLD	STP provided not provided
1	TMC-Devadurga	28929	2.25	Not provided
2	TMC Lingasugur	15224	1.6	Not provided
3	Hutti TP	16525	1.6	Not provided
4	Hutti Notified Area	13535	1.4	Being treated in 2x1.25 MLD STP provided at Hatti Gold Mines

Annexure-II

Sl. No	Name of Local Body	Population (census2011)	Total Solid Waste Generation	Proposed Achievable target	Present Status
1	TMC-Deodurga, DeodurgaTq, Raichur Dist.	28929	6 T	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.	MSW Site Existing
2	TMC Lingasugur, LingasugurTq, Raichur Dist.	34932	14.4 T		MSW Site Existing
3	Hutti TP, LingasugurTq, Raichur Dist.	16278	6 T		MSW Site Existing
4	Hutti Notified Area, LingasugurTq, Raichur Dist.	13536	8 T		MSW siteexisting. Further, in Hutti Gold Mines, the wet waste is being digested and bio gas is being produced and utilized for canteen.

Annexure-III
Sources including Nala/Drains joining to River – Krishna and its Water Quality

Sl No	Location	pH	BOD	COD	TSS
1	Sunakal Nala	7.7	2.2	26	20
2	Halabhavi Nala	8.00	2.2	22	8
3	Jaladurga Nala	8.25	2	25	8
4	Gonavatla Nala	8.20	3	24	21
5	Guntagola Nala	8.05	3	28	20
6	Ramroti Nala	8.00	3	25	16
7	Raidurga Nala	8.35	3	33	18

Status of Water Quality of River – Krishna @ Tintani Bridge

Year	DO (mg/L)		BOD(mg/L)		Faecal Coliform (MPN/100ml)		Total Coliform (MPN/100ml)		Class
	Min	Max	Min	Max	Min	Max	Min	Max	
2017-18	6.6	7.6	2	2.5	110	350	920	1600	C
2018-19	7	7.6	2	3	110	1000	500	3200	C
2019-20	6.6	7.6	2	2.5	110	350	920	1600	C

Annexure-IV

Status of Ground Water Quality in the villages located on the polluted stretch of River – Krishna

Sl. No.	Grama panchayath	Village/ habitation	Type of source (bw/ surface well/ filter)	Ph value(013)	Turbidity(001)	Total dissolved solids (TDS) (015)	Total Alkalinity	Nitrate(006)	Fluoride(003)	Chloride(005)	Total alkalinity(018)	Total hardness(016)	Sulphate(007)	Calcium	Magnesium
								As no3	As(f)	(as cl)	Ascaco3	As caco3	(as so4)	As Ca	As Mg
					(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
				6.5-8.5	(1-5)	500-2000	200-600	45-n.r.	1.0-1.5	250-1000	200-600	200-600	200 - 400	75-200	30-100
1	Hutti Notified Area	Hutti	bw	8.10	8	610	224	0.96	1.28	114	224	216	160	53	20

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	**River Lakshmantheertha**
Polluted river stretch	**Hunsur to Kattemalavadi**
Priority	**III**
Status as on	**Till April-2021**

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	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 SBT 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 STP to 4.09 MLD.	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. Upgrdation of existing UGD networks. Upgradation of existing STP 3.91 MLD to 8.0 MLD with SBR Technology. DPR is submitted by KUWS&DB	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:	**4 Nos**
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. Segregation practice-20 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 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	**3 Nos**
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:	**Status of Ground Water Resource Assessment in Annexure-2**
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 August Paper advertisements were issued to the residents located on the banks on the river Lakshmanatheetha 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 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.

Remarks: 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

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	**Mar-21**	**No Flow**			
2	D/S of Lakshmantheertha at water barrage near Kattemalalavadi Village	**Mar-21**	**No Flow**			

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
Mysuru	Hunsur	11587	7338	4249	63.00	***Safe (≤ 70)**
Note:- 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.						

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 : Malaprabha River
Polluted river stretch : Khanapur to Ramdurg
Priority : III
Status as on : Till April-2021

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately: **Urban----1,81,045, Rural---- 80,795**

II. Estimated Sewage Generation (MLD): **34.48.**

III. <u>Details of Sewage Treatment Plant:</u>

- Existing no. of STPs and Treatment Capacity (in MLD): **One STP with Capacity 8.28 MLD (Bailhongal)**
- Capacity Utilization of existing STPs: : **4.0 MLD**
- MLD of sewage being treated through Alternate technology: **NA**
- Gap in Treatment Capacity in MLD:---
- No. of Operational STPs: **One**
- No. of Complying STPs: **One**
- No. of Non-complying STPs: **NIL**

<u>Details of each existing STP in the State</u>

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Bailhongal	8.28 MLD	4.0 MLD	Operating	Complying

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	Ramdurg	3.30 & 1.00	20 %	There is no provision in the sanctioned estimate	March-2021.

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	Khanapur	1.00	The TP, Khanapur has proposed 1 MLD (MBBR) STP. The estimates are prepared by KUWS & DB. The details are enclosed in point No.XXV.	The Project will be completed within 18 months after getting administrative approval from the Govt. & technical sanction from the competent authority
2	Munavalli	5.30	DPR submitted to the Govt. For Approval vide Central Office Ltr No.1917, Dtd:28.10.2019.	
3	M.K. Hubli	4.40	DPR submitted to the Govt. For Approval vide Central Office Ltr No.1916, Dtd:18.05.2020.	
4	Savadatti	8.50	DPR submitted to the Govt. For Approval vide Central Office Ltr No.01, Dtd:02.04.2019. The local body authorities have constructed settling tanks in the nala joining the river.	

IV. Details of Industrial Pollution:

- No. of industries in the State: :**04**
- No. of water polluting industries in the State: :**NIL**
- Quantity of effluent generated from the industries in MLD: :**2684.6 (KLD)**
- Quantity of Hazardous Sludge generated from the Industries in TPD:**0.00335 (KLPD)**

- Number of industrial units having ETPs: : **04**
- Number of industrial units connected to CETP: : **No CETP.**
- Number and total capacity of ETPs (details of existing/ under construction / proposed): **Existing.**
- Compliance status of the ETPs:**Complied**
- Number and total capacity of CETPs (details of existing/ under construction / proposed) :**NA**
- Status of compliance and operation of the CETPs: **NA**

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population: **06 & Population-1,92,404.**
- Current Municipal Solid Waste Generation: **68 (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: 06 , Number, installed capacity & utilization of existing MSW processing facilities are **submitted in table-1**.
- 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:**Total no. of wards--138, 137 (D-D collection),92 no. of wards practicing segregation at source.**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology):**Proposed at M K Hubli.**
- No. and area (in acres) of uncontrolled garbage dump sites and Sanitary Landfills: Already submitted & e**nclosed in the Annexures-1.**
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers: Already submitted & e**nclosed in the Annexures-1.**
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers: **Enclosed in the Annexures-I. TP, Khanapur has proposed 1 MLD MBBR, STP--enclosed as Annexure-II.**

Table-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
Bailhongal	18	05	Compound wall, borewell, connecting road, windrow platform, sanitary land fill, weigh bridge,dry waste collection centre, Mansoon shed, Tree plantation, Plastic bailing m/c, segregation & shredding M/cs,	17.25 TPD	----
Savadatti	14	04	Windrow platform, Vermi composting	04	6 Months
Ramdurg	16	04	22 TPD	16 TPD	----
Munavalli	10	2.5	Composting	----	3 Months
Khanapur	06	2.4	Aerobic Composting	Fertilizer & it has been using in ULB gardens.	6 Months

M K Hubli	04	00	There is no any solid waste management & processing facilities provided by the newly formed ULB	0	0
Total	68 TPD	24.9 TPD		33.5 TPD	

VI. <u>Bio-Medical Waste Management:</u>

- Total Bio-medical generation: **0.301 Tons/day.**
- No. of Hospitals and Health Care Facilities: **167 Nos (Hopsitals & HCEs).**
- Status of Treatment Facility/ CBMWTF: **Handed over to CBMWTF(Two CBMWTFs are operating).**

VII. <u>Hazardous Waste Management:</u>

- **Total Hazardous Waste generation:** 0.0038 KLPD.
- **No. of Industries generating Hazardous waste:** 04.
- **<u>Treatment Capacity of all TSDFs:</u>** NA.
- **Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:** NA.
- **<u>Details of on-going or proposed TSDF:</u>** NA.

VIII. <u>Plastic Waste Management:</u>

- **<u>Total Plastic Waste generation</u>:** 0.93 Tons/Day (Local Bodies).

<u>.Treatment/ Measures adopted for reduction or management of plastic waste:</u>Local bodies have started to hand over plastic waste/ RDF materials to Dalmia Cement (Bharat) Ltd, Yadwad, Cement plant for co-processing in cement kiln. There are no Unregistered Manufacturing or recycling of plastic units.

IX. <u>Details of Alternate Treatment Technology being adopted by the State/UT :</u>Local bodies have started to hand over plastic waste/ RDF materials to Dalmia Cement (Bharat) Ltd, Yadwad, Cement plant for co-processing in cement kiln.

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

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

XII. **Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:**Conducted under the Chairmanship of Deputy Commissioner, Belagavi on 09.02.2021.

XIII. **Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;** Already submitted as Annexure-II.

XIV. **Ground water regulation:** Already submitted.

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

1. Directions issued by the DC, Belagavi to Dept of Agriculture, during the meeting held on 09.02.2021.
2. Crop diversification: Replacement of high water demanding commercial crops with low water requiring crops like Pulses and Oilseeds particularly in Command areas by mandating at Government level.

3. Micro Irrigation: Adoption of Micro irrigation practices for all the crops and making Micro irrigation technology easily accessible at the rural level.

4. Making Ground Water extraction beyond a specific limit punishable under the Act (Not allowing Borewell digging activities in vulnerable or exploited areas).

5. Crop Intensification: Providing incentives to the farmer for taking up Crop intensification in the command areas.

6. Modification in Surface Irrigation Methods: Surface water can be utilised in a minimised way by adopting alternate row irrigation system.

7. Mulching Practices: Any organic or inorganic materials can be used for mulching to reduce evapotranspiration, thereby reducing irrigation intervals and water amount.

XVI. **Rain Water Harvesting:** Letter addressed to the Project Director, DUDC &Project Director, ZP, Belagavi for compliance. But all the four industries have implemented rain water harvesting system. Directions issued.

XVII. **Demarcation of Floodplain and removal of illegal encroachments:**Warned by Revenue department as per the flood memorandum through early warning arrangement. Directions issued by the DC, Belagavi to Revenue Dept.

XVIII. **Maintaining minimum e-flow of river:**Letter addressed to the Executive Engineer, Major Irrigation Department, Belagavi for compliance.

XIX. **Plantation activities along the rivers:** Letter addressed to the DCF, Belagavi, Karnataka Forest Department for compliance. Directions issued by the DC, Belagavi to Forest Dept.

XX. **Development of biodiversity park**: Letter addressed to the DCF, Belagavi,Karnataka Forest Department for compliance. Directions issued by the DC, Belagavi to Forest Dept.

XXI. **Reuse of Treated Water:**The industrial effluent after treatment is used on land for irrigation and partially recycled back into process. All the industries i.e. 04 No's of sugar industries have installed OCEMS. The treated sewage of TMC, Bailhongal is used for irrigation purposes.

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

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

XXIV: **Regulation of Mining Activities in the State/UT**: There is no mining activity located in the Malaprabha river basin.

XXIV. **Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:** Meeting held on 09-02-2021 at Deputy Commissioner Office Belagavi along with Commissioners/Chief Officers of the Local Bodies and direction given to comply with the provisions of the Water Act 1974, Solid waste management Rules, 2016, Plastic waste management Rules, 2016, Bio-medical waste management Rules, 2016 and Construction and Demolition waste management Rules, 2016.

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

The TP, Khanapur has proposed 1MLD (MBBR) Sewage Treatment Plant (STP). The estimates are prepared by KUWS &DB. They are proposing to pump the raw sewage from the 5 drains, which are carrying raw sewage and joining Malaprabha River. The site visit by KUWS & DB is completed. The details are attached. This is the progress made during this month.

n ISO 9001:2015 and BS OHSAS 18001:2007 Certified Laboratory Ann-I
ce : Belagavi-1
State Pollution Control Board
Road, Auto Nagar,
i Industrial Area, Belagavi-590 015
: 0831-2459121

ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ : ಬೆಳಗಾವಿ-೧
೧ ನೇ ಮುಖ್ಯ ರಸ್ತೆ, ಆಟೋ ನಗರ,
ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ,
ಬೆಳಗಾವಿ-೫೯೦೦೧೫
ದೂರವಾಣಿ:೦೮೩೧-೨೪೫೯೧೨೧

ಕರ್ನಾಟಕ ರಾಜ್ಯ
ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

towards a cleaner Karnataka

ANALYSIS REPORT : WATER

Regional Laboratory, Belgavi.

NO: PCB/BGV-1/LAB/AR/2020-21/ 1069 Date: 18/3/21

NAME OF THE STATION : Tributaries (Nalla) of Malaprabha River Polluted Stretch.
SAMPLE COLLECTED BY : EO, Belagavi.
DATE OF COLLECTION : 03-02-2021.
RECEIVED DATE : 04-02-2021.
PARTICULARS OF SAMPLE : 1495-Water sample collected from Itsagi to Beedi road nala confluence point to Malaprabha River near Itagi. 1496-Water sample collected from Shapurwala nala sewage confluence point to Malaprabha River at Khanapur.

Sl No.	PARAMETERS	UNITS	1495	1496
1	pH	_	8.1	7.59
2	BOD	mg/l	1.98	38
3	Dissolved Oxygen	mg/l	6.6	Nil
4	Dissolved Solids	mg/l	160	360
5	Conductivity	uMhos/cm	280	580
6	COD	mg/l	36	128
7	Oil and Grease	mg/l	BDL	BDL

Inference	Particulars and Standards mentioned are as per requisition letter Report Status:

Note.
1. The above results pertain only to the sample tested.
2. The method of analysis is as per the Standard Method for the examination of water and waste water and Indian Standard Publication.
3. ND= Not Detexted. 4. BDL= Below Detection Limit.

Analysed By

Laboratory Head
Scientific Officer
Regional Laboratory
Karnataka State Pollution Control Board
Belgaum.

Annexure II

The site visit conducted by the officials of KUWS & DB.

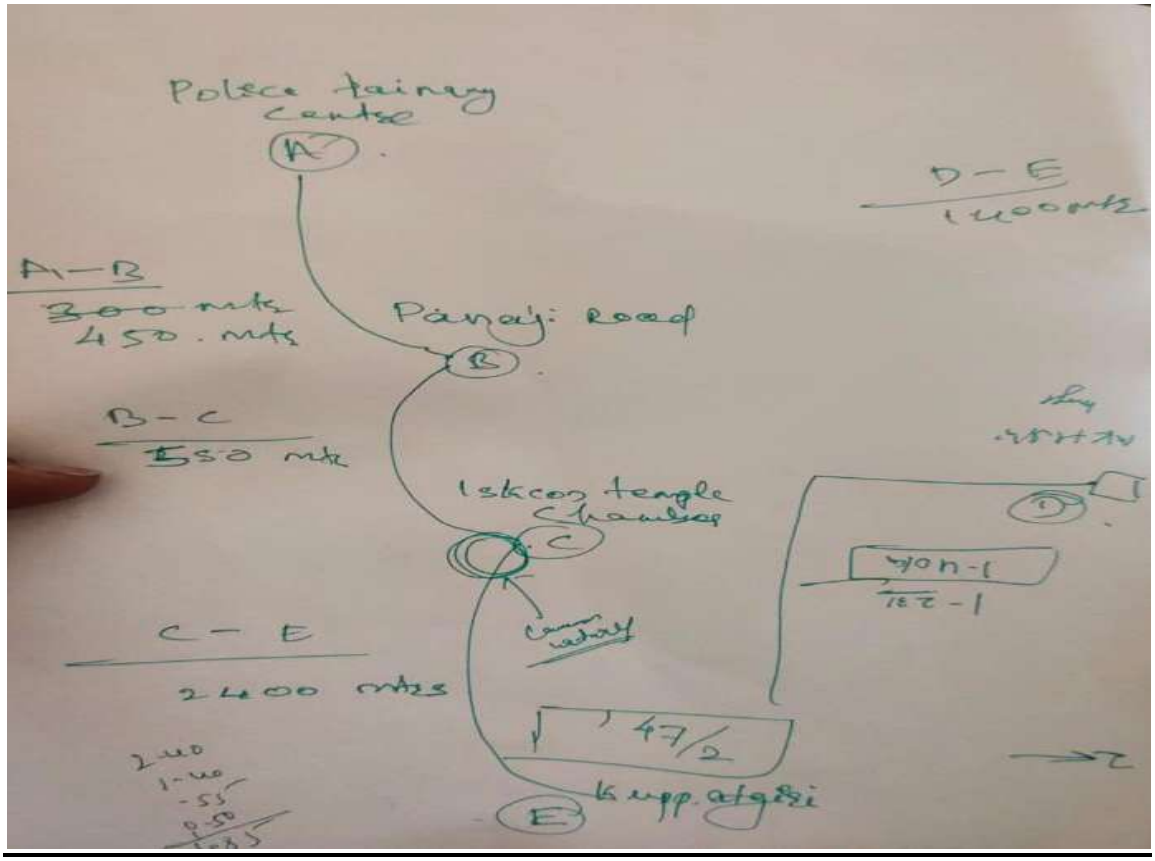
Providing, Installing, Commissioning & Maintaining for a period of 5 years MBBR sewage treatment plant for treating Nala sewage at Khanapur town to comply NGT Standards

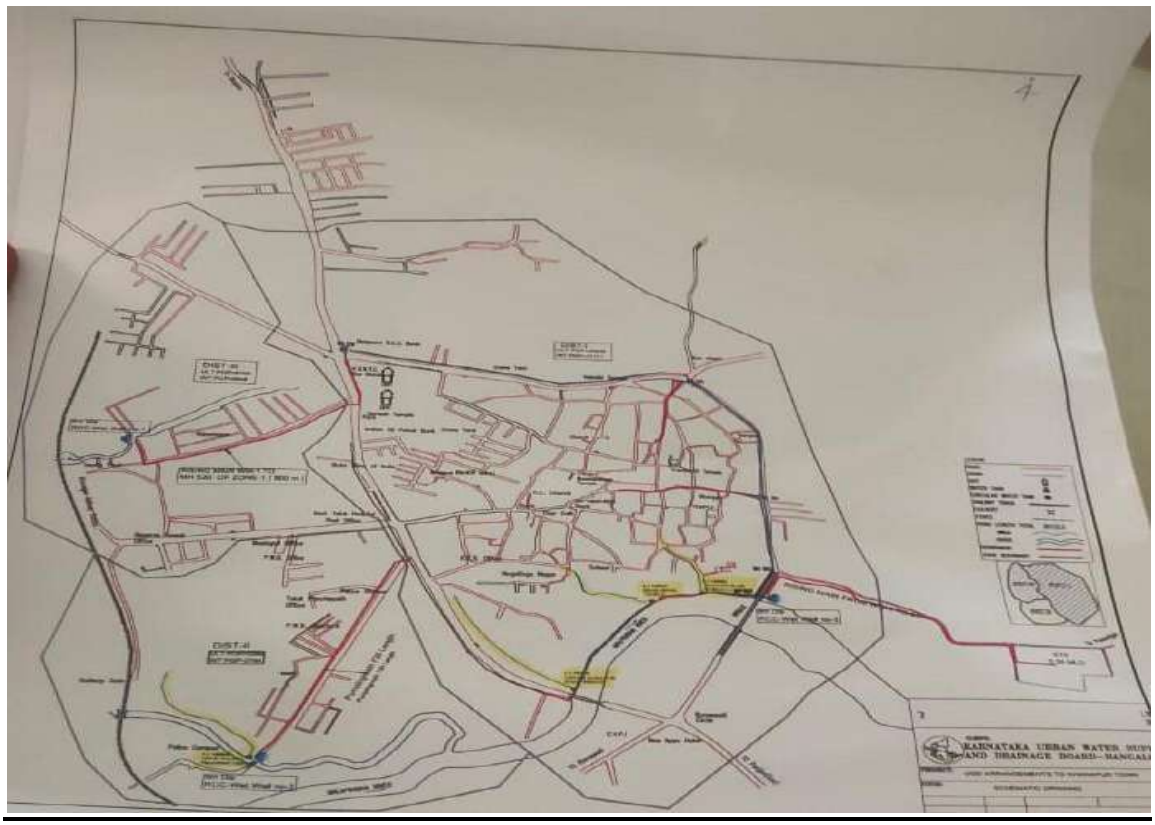
ABSTRACT

Sl No.	Particulars		Amount
	Installation & Maintaince of STP's		
1	Construction of Valve chamber, Screen Chamber & Collection chamber to 1.00 MLD MBBR STP (Civil works) at previously proposed site		4295648.00
2	Design, Supply, Installation, Construction, Testing & Commissioning of following capacity of compact & packaged fabricated sewage treatment plant based on the principle of aerobic attached growth non - clogging Moving Bed Bio - Reactor (MBBR) including all Electro mechanical works for STP so as to achieve the required parameters. 1.00 MLD (0.50 MLD - 2 Nos) STP		18470000.00
3	Operation & Maintainance for 5 years - 1.00 MLD (0.50 MLD - 2 Nos) MBBR Plant		11585918.00
4	Construction of Screen chambers - 4Nos		1380000.00
5	Construction of 2 mts dia Pumping Manhole near Drain 1		530000.00
6	Construction of 4 mts dia Pumping Manhole near Drain 2		909000.00
7	Construction of 4 mts dia Pumping Manhole near Drain 3		909000.00
8	Construction of 6 mts dia Wet well cum Pumphouse near Drain 4		2038000.00
9	Providing and laying 100, 200 & 250 mm dia DI K9 class Rising mains - 3.25km		10674999.99
10	Supply, erection & commissioning of 7.5, 10, 12 & 22 HP or suitable capacity Non-clog Sewage Pumpsets		3062500.00
11	5 Years O & M for Pumping machinery & Civil Works		1322000.00
		SUB TOTAL	**55177065.99**
	Add: GST	12%	6621248.00
		Total	**61798313.99**
	Add: ETP	12%	7415798.00
	Add: Contingency Charges	3%	1853949.00
	Add: Labour Cess	1%	617983.00
	Add: Escalation Charges	5%	3089916.00
	Add: TPI	0.5%	308992.00
	Survey, Designs & Preparation of DPR		500000.00
	Provision for Land Acquisition & arranging Power supply to installations, HESCOM Deposits, Diversion works, etc		5000000.00
	Misc like testing of samples & Rounding off		15048.01
		GRAND TOTAL	**80600000.00**
		SAY	**Rs 806.00 Lakhs**

Assistant Executive Engineer,
K.U.W.S. & D. Board, Sub-Division,(p)
Belagavi.

Executive Engineer,
K.U.W.S & D. Board, Division,
Belagavi.


Police training centre
A
A-B
300 mts
450 mts
Pinnaiyi Road
B
B-C
550 mts
Iskcon temple
C
C-E
2400 mts
47/2
E
D-E
1400 mts



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 ofKarnataka (Netravathi&Kumaradhara)

Overall status of the State:		
Name of The River		**Netravathi&Kumaradhara**
Polluted River Stretch		**Netravathi&Kumaradhara**
Priority		**Priority-V**
Status as on		**Till April-2021**
Overall status of the State:		
I	Total Population : Urban Population & Rural Population Separately	47,327 (As per 2011 census)
	Urban Population	40,155
	Rural Population	7,172
II	Estimated Sewage Generation (MLD):	13.23 MLD
III Details of Sewage Treatment Plant		
• Existing no. of STPs and Treatment Capacity (in MLD)		No Existing STPs in Bantwala and Belthangady TMC Bantwala is taken up UGD construction work and 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:		NA
• 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 MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
NIL				

IV Details of Industrial Pollution	
• No. of industries in the State (D.K District)	**0**
• No. of water polluting industries in the State	**0**
• 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)	**NIL**
• 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 List is attached as**		
1	Town Muncipal council, Bantwala, Dakshina Kannada District.	40155
2	UppinagadyGramaPanchyath, PutturTaluk, DakshinaDakshina Kannada District	70172
3	SubramanyaGramaPanchyath, PutturTaluk, Dakshina Kannada District	4443
4	Town Panchyath, BelthanadadyTaluk, Dakshina Kannada District	7746
• Current Municipal Solid Waste Generation		16.49 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), biomethanation, MRF etc		Composting-6.56 TPD by TMC Bantwala and Belthangadi. • The local bodies are practicing the system of door to door collection of segregated municipal solid waste. • Wet waste handed over to MCC for further disposal by TMC Bantwala. • TP Belthangadi wet waste is composted (vermin compost) in the identified the solid waste disposal site. • The dry recyclable waste such as are segregated and sent to recyclers. • SubrahmanyaGramaPanchayathhas

	installed incinerators for disposal of dry waste.
• 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 wrt O.A.360 of 2018.
• No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction	There is 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	8

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline

		in TPD			
Bantwala TMC	14	12.2	Wet waste handed over to MCC for disposal • MRF for dry waste	100%	Proposed incinerator for waste disposal by 31.03.2022
Belthangadi TP	2.49	1.94	• Windrows System • MRF	100%	NIL

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 hospitals and HCEs hand over their biomedical waste for further treatment and disposal to CBMWTF- M/s. RamkyEnviro Tech Pvt. Ltd., Mulki, D.K. and M/s. AyushEnviro tech Pvt. Ltd., PadubidreUdupi.

VII Hazardous Waste Management	
• **Total Hazardous Waste Generation**	Nil
• **No Of Industries Generating Hazardous Waste**	Nil
• **Treatment Capacity of all TSDFS**	NIL. No TSDF proposed in the jurisdiction of RO-Mangalore.Hazardous waste generated in the District is sent to TSDF, Bangalore for landfilling, various incinerators,
• **Avg Quantity of Hazardous Waste reaching the TSDFs and treated**	
• **Details of on-going or proposed TSDF**	

	Co-processors & Recyclers across the state for treatment & disposal

VIII Plastic Waste Management		
	• Total Plastic Waste generation	392 MT/A
	• Treatment/ Measures adopted for reduction or management of plastic waste	• Single use plastic is totally banned in Karnataka as per GoK Notification No:No. FEE/17EPC2012, Bangalore, dated: 1-03-2016. • 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 ULB limit maximum no. of individual houses are having ST & SP for toilet blocks. • Revised river rejuvenation action plan submitted on 08.05.2020 with directions to stakeholder for • Proposal for Underground drainage system proposed in all areas for 100% waste water treatment. • Untreated sewage entering in to the rivers should be reduced by laying the drainage network & connecting it to sewage treatment plant. • To install STP's for treatment of

		domestic wastes and scientific disposal facilities for solid waste generated from the villages & town located on the bank of Netravathi River AndKumaradhara 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.
XV	Good irrigation practices being adopted by the State	NA
XVI	Rain Water Harvesting	Directions given to agricultural/irrigation department to organize awareness programmes in farmers to conserve water and good irrigation practices to be adopted.
XVII	Demarcation of Floodplain and removal of illegal encroachments	Directions have been given to Forest Department to submit details about flood plain zone and to carry out massive plantation and also notify the FPZ.Gazing station at Bantwala.
XVIII	Maintaining minimum e-flow of river	Directions given to

		agricultural/irrigation department to organize awareness programmes in farmers to conserve water and good irrigation practices to be adopted
XIX	Plantation activities along the rivers	NA
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	Directions being 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	Being monitored and 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	--

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	**Till April-2021**

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. <u>Details of Sewage Treatment Plant:</u>

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:	-

<u>Details of each existing STP in the State</u>

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. Up gradation of existing 3.5 MLD STP to 6.0 MLD. The DPR is approved & work has been assigned to KUWS&DB by the Government.	KUWS&DB has issued work order vide dtd on 15-04-2020 to contractor. Construction of 205 nos. of manholes have been completed. Wetwell excavation is under progress.	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 by 300 houses & construction of 2 nos. of wet wells. Up gradation of existing 3.5 MLD STP to 6.0 MLD.	14-04-2022

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
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 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	Nil

and under construction)	
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)	-
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	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 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 survey work is going on.

VI. 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

VII. 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	-
Details of on-going or proposed TSDF	-

VIII. 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 ride will be carried out.

	Particulars	TMC Maddur
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:	One drain is identified & monitored. The sullage effluent is having BOD & TC in excess of standards & said drain is to be connected to near by wet well to pump the same to STP.
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;	**Status of water quality of polluted rivers in Annexure-1.**
XIV.	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 by March-2020.

	Status of Ground Water Resource Assessment in Annexure-2
XV. 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 Taluk. • Farmers are made aware to use water optimally.
XVI. 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 by March 2021
XVII. Demarcation of Flood plain and removal of illegal encroachments:	
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 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
XX. 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. 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:	Treated water is used for on land for irrigation.
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:	a) With respect to treatment & disposal of sewage effluent the LB's have taken

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

Annexure-1

XIII Latest water quality of polluted river stretch for the month of March 2021

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	March-**2021**	Nil	No flow of water in the river and samples could not be collected		
2	D/s of river shimsha near Halgur Road Bridge, Malavalli Tq, Mandya District	March-**2021**	Nil	-do-		

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	Maddur	9893.26	5537.37	4355.89	56%	***Safe (≤ 70)**
Note:- 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 by March 2021.						

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 : Till April-2021

Overall status of the State:

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

Shivamogga City Corporation Population is 322650 (As on 2014 census)

II. Estimated Sewage Generation (MLD): 47.79MLD

III. Details of Sewage Treatment Plant:

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

  Existing 1 no of STP of 35.58 MLD STP at Thyvarechatnhalli is under operation

- Capacity Utilization of existing STPs:13MLD
- MLD of sewage being treated through Alternate technology: --
- Gap in Treatment Capacity in MLD:7.97
- No. of Operational STPs: 1
- No. of Complying STPs:1
- 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, Shivamogga Tq &Dist	35.58 MLD	13MLD	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	Sy.no.33/P1,Purle Village,Shivamogga Tq &Dist	5.13MLD	80%	-	Dec-20
2	Ghandi Park,Shivamogga City,Shivamogga	0.5MLD	95%	-	Dec-20

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. The Industry in this dist are not giving any effluent to 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 **169 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 : **City Corporation,Shivamogga is having MSW site at Sy No.198, 202 to 206, 208 to 210 Anupinakatte Village, Shivamogga. Installed capacity is 75TPD 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 ward in Shivamogga. All 35 wards are covered under Door to Door Collection. About 30 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 Nos Smart City Shivamogga is preparing Project to divide this during summer season.

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	169 TPD	169 TPD	75TPD and they operate the unit in two shifts to process the MSW	75TPD 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 421 including 90 No bedded HCF,336 No non bedded HCF and 5 Veterinary Hospital.
- Status of Treatment Facility/ CBMWTF: The Shivamogga Dist is having CBMWTF at Machenahalli i.e.M/s.Shushrutha Biomedical Waste Management Society®,Site.No.31 Machenahalli,Shivamogga Tq & 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. <u>Plastic Waste Management:</u>

- 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:--

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;

Earlier Samples were collected from the drains and Bore well and Results also Submitted along with Action Plan. This Office has collected drains and Bore well samples during December 2020 and results are awaited. This Office is collecting the River Water Samples every month.

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:

Adoptation 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:---

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 : Honnalli to Haralahalli Bridge
Priority : III
Status as on : Till April-2021

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately

Davangere : 4,40,000 Harihara: 90,502 Honnalli: 17,928

Channagiri TMC – 23,020 Malebennur TMC – 22,512 Jagalur TP – 17,257

II. Estimated Sewage Generation (MLD): **81.3 MLD**

III. <u>Details of Sewage Treatment Plant:</u>

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

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

  Harihara : 18 MLD

  Honnalli : 3.3 MLD

- Capacity Utilization of existing STPs:

  81.3 MLD

- MLD of sewage being treated through Alternate technology: --

- Gap in Treatment Capacity in MLD:

- No. of Operational STPs: **6 No's**

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

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	14.8	10	Operating	**Complied**
2	Davangere	20	16	Operating	**Complied**
3	Davangere	20	16	Operating	**Complied**
4	Davangere	5	3	Operating	**Complied**
5	Harihara CMC	18	6.8	Operating	**Complied**
6	Honnalli	3.3	2.5	Operating	**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: (RO, Davangere District)

- No. of industries in the State: (**Davangere Dist: 312**).
- No. of water polluting industries in the State: **45.**
- Quantity of effluent generated from the industries in MLD: **61.227 MLD.**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **0.2 TPD.**
- Number of industrial units having ETPs: **45.**
- Number of industrial units connected to CETP: **0**
- Number and total capacity of ETPs (details of existing/ under construction / proposed)
- 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)
Davangere	45	32,400 KLD	Operating and Complied	NIL

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population **: 6 No's**

Davangere CC – 4,40,000
Harihar CMC – 90,502
Honnalli TP - 17,928
Channagiri TMC – 23,020
Malebennur TMC – 22,512
Jagalur TP – 17,257

- Current Municipal Solid Waste Generation –

  Davangere CC – 170 TPD
  Harihar CMC - 25 TPD
  Honnalli TP - 6.63 TPD
  Channagiri TMC – 9 TPD
  Malebennur TMC – 08 TPD
  Jagalur TP – 7.23

- 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.

  Windrow Platform – 2,
  Vermi composting – 4,
  Biogas – 1.

- 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 -

  Davangere CC – 45
  Harihar CMC - 31
  Honnalli TP - 18
  Channagiri TMC – 23
  Malebennur TMC – 23
  Jagalur TP – 18

- 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 -- 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
Davangere CC	200 TPD	200 TPD	Leachate Treatment Plant , windrow platform, composting and vermi composting facilities	200 TPD	-
Harihar CMC	25 TPD	22 TPD	Provided Biogas facility, composting and vermi composting	20 TPD	-
Honnalli TMC	6.63 TPD	6.63 TPD	No Facilities	6.63 TPD	-
Channagiri TMC	09 TPD	09 TPD	Provided Composting and Vermi composting	09 TPD	-
Malebennur TMC	08 TPD	08 TPD	No Facilities	08 TPD	-
Jagalur TP	7.23 TPD	7.23 TPD	Provided windrow platform, composting and vermi composting	7.23 TPD	-

VI. Bio-medical Waste Management:

- Total Bio-medical generation: **1.3 TPD**
- No. of Hospitals and Health Care Facilities: **28**
- Status of Treatment Facility/ CBMWTF: The Biomedical wastes generated from the Davangere District will be treated/ incinerated in **M/s. Sushanth Environmental Technologies.**

VII. Hazardous Waste Management:

- Total Hazardous Waste generation :

  ETP sludge – 0.2 TPD
  Cotton waste - 0.05 TPCB
  Used oil – 2.5 KL/ Annum
  Used oil filters – 2 MT/Annum
- No. of Industries generating Hazardous waste: **44**
- Treatment Capacity of all TSDFs: **Nil (There is no TSDF in this office jurisdiction)**
- 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 this office Jurisdiction.

- 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: -- NIL

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: --

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 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	Yagachi river
Polluted river stretch	Belur to Halavagilu, Hassan
Priority	V
Status as on	Till April-2021

Overall status of the State:

Particulars		TMC Belur	CMC Hassan	Total
I.	Total Population: Urban Population & Rural Population separately	22848	155006	**177854**
II.	Estimated Sewage Generation (MLD):	2.4	16.74	19.14

III. <u>Details of Sewage Treatment Plant:</u>

Particulars	TMC Belur	CMC Hassan	Total
Existing no. of STPs and Treatment Capacity (in MLD):	2.7 MLD	10MLD	12.7
Capacity Utilization of existing STPs:	2.7	10	12.7
MLD of sewage being treated through Alternate technology:	--	--	
Gap in Treatment Capacity in MLD:	Nil	6.74 MLD	6.74MLD
No. of Operational STPs:	1	1	2
No. of Complying STPs:	0	0	0
No. of Non-complying STPs:	1	1	2

<u>Details of each existing STP in the State</u>

Name of the Local Body	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
TMC Belur	Nehru Nagar, Belur Town, Belur Taluk & Hassan District	2.7MLD	2.7MLD	Operational	Not Complied
CMC, Hassan	Sy no 86 &100, Bittagondanahalli village Hassan Tq & Dist	10MLD	10MLD	Operational	Not Complied
Total		**12.7**	**12.7**		

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 Belur	Nil	Nil	Nil	1 drain carrying sullage effluent is to be connected to STP. **No Work Progress.** 80% of the area covered with UGD & further work in progress	31.03.2021
CMC, Hassan	Nil	Nil	Nil	1 drain carrying sewage & sullage effluent is to be connected to STP. **No Work Progress.** 75% of the area covered with UGD & further work in progress	31.03.2021
Total					

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 Belur	Near existing STP Nehru Nagar, Belur Town, Belur Taluk & Hassan District	Up gradation of existing 2.7 MLD STP to 5.0 MLD by SBR Technology	Revised DPR is approved by Governement for Rs. 14 Crores to divert the sewage discharged in to river through storm water drain. Up gradation of existing 2.7 MLD STP to 5.0 MLD.	31.12.2021
CMC, Hassan	a) Existing B STP,Sy no 86	a)Up gradation of existing 10	Revised DPR is approved by	31.12.2021

	&100,Bittagondanahalli village Hassan Tq & Dist -10MLD b) Channapatna, Hassan-10MLD c)Hunsinakere, Hassan - 5 MLD d) Gavenahalli, Hassan - 2 MLD e)Sathyamangala, near veterinary college, Hassan- 2 MLD	MLD STP to 20 MLD by SBR Technology b)Proposed10MLD c) Proposed 5MLD d) Proposed 2MLD e) Proposed 2MLD	Governement for Rs. 165 Crores to divert the sewage discharged in to river through storm water drain.Up gradation of existing 10 MLD STP to 39 MLD.	

IV. Details of Industrial Pollution:

Particulars	TMC Belur	CMC Hassan	Total
No. of industries in the State:	Nil	5	5
No. of water polluting industries in the State:	Nil	1	1
Quantity of effluent generated from the industries in MLD:	0	0.01	0.01
Quantity of Hazardous Sludge generated from the Industries in TPD:	0	0	0
Number of industrial units having ETPs:	0	0	0
Number of industrial units connected to CETP:	Nil	Nil	Nil
Number and total capacity of ETPs (details of existing/ under construction / proposed)	Nil	Nil	Nil
Compliance status of the ETPs:	Nil	Nil	Nil
Number and total capacity of CETPs (details of existing/ under construction / proposed)	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 Belur	Nil	Nil	Nil	Nil
CMC, Hassan	Nil	Nil	Nil	Nil
Total				

V. **Solid Waste Management:**

Particulars	TMC Belur	CMC Hassan	Total
Total number of Urban Local Bodies and their Population	22848	155006	**177854**

Current Municipal Solid Waste Generation	11	77	88
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 Gap – 3.51 TPD • Sanitary landfill Existing–Nil Gap – 2.75 TPD	• Composting Existing – 11 Gap – 20.57 TPD • Sanitary landfill Existing–Nil Gap – 19.25 TPD	
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DPR for Rs. 1.7 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. 5 .9 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	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- 23 Wards	• Door to door collection 12/35 Wards. Segregation practice- 12 Wards	
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Nil	Nil	Nil
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	Nos. of drains 1 Nos. of drains having floating racks / screen – Nil	Nos. of drains 1 Nos. of drains having floating racks / screen – Nil	Nos. of drains -2 Nos. of drains havingfloating 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 Belur	8	1	Pit Composting	1	Proposed new MSW facilities and it will be completed within 30.09.2021
CMC, Hassan	62	11	Pit Composting	11	
Total	**70**	**12**		**12**	

VI. Bio-medical Waste Management:

Particulars	TMC Belur	CMC Hassan	Total
Total Bio-medical generation:	45Kg/day	1557Kg/day	**Nil**
No. of Hospitals and Health Care Facilities:	Bedded: 3 Non Bedded: 63	Bedded:38 Non Bedded: 242	**Nil**
Status of Treatment Facility/ CBMWTF:	CBMWTF	CBMWTF	**Nil**

VII. Hazardous Waste Management:

Particulars	TMC Belur	CMC Hassan	Total
Total Hazardous Waste generation:	0	0.01	0.01
No. of Industries generating Hazardous waste	0	01	01
Treatment Capacity of all TSDFs	-	-	-
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	-	0.01	0.01
Details of on-going or proposed TSDF	-	-	-

VIII. Plastic Waste Management:

Particulars	TMC Belur	CMC Hassan	Total
Total Plastic Waste generation:	200kg/day	2 tonne/day	2200kg/day
Treatment/ Measures adopted for reduction or management of plastic waste:	Bailing & stored and proposed to hand over to co incineration units	Bailing & stored and proposed to hand over to co incineration units	Bailing & stored and proposed to hand over to co incineration units

Particulars	TMC Belur	CMC Hassan

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:	1 drain identified proposed to provide temperory treatment until new treatment is established	1 drain identified proposed to provide temperory treatment until new treatment is established
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:	2 meetings were conducted under the chairmanship of DC , Hassan	2 meetings were conducted under the chairmanship of DC , Hassan
XIII.	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.**	
XIV.	Ground water regulation:	As per the discussion held with Sr. Geologist, District Ground Water Authority, Hassan for the month of October 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, notices has been issued to obtain NOC for extracting groundwater from Karnataka Ground Water Authority / District Ground Water Authority. **Status of Ground Water Resource Assessment in Annexure-2**	
XV.	Good irrigation practices being adopted by the State:	The Dept. of Agriculture has informed that, they will submit action plan for implementation of following measures: I. General Government Practice of Irrigation is maintained. II. Farmers are made aware to use water optimally.	
XVI.	Rain Water Harvesting:	As per the discussion held with Sr. Geologist, District Ground Water Authority, Hassan they have taken up measures to improve the ground water situation, rain water harvesting structure and some of the other artificial recharge structures to construct 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:	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:	Social Forestry Department, Hassan district has informed that they have proposed plan for plantation of saplings on the bank of Yagachi river polluted stretch for about 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 in Hassan & Belur Taluks. 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 September 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.

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	Yagachi, Haluvagilu pump house, Hassan	**March-21**	4.6	2.4	340	2200
2	Yagachi river, Belur (abt 200mtrs from STP)	**March -21**	4.3	2.5	270	1700

ANNEXURE-2

6.1(vii) Status of Ground Water Resource Assessment in Annexure-4

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
Hassan	**Hassan**	**13031.77**	**5926.47**	**7104.53**	**50%**	***Safe (≤ 70)**
Hassan	**Belur**	**6318.88**	**3893.65**	**2425.23**	**66**	***Safe (≤ 70)**

Note:- 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 by March 2021.