Dossier of overall Karnataka and 17 PRS

in compliance to the NGT orders in the matter of OA. 673/2018

State: Karnataka
Estimated urban population: 22941508

1 Status of Sewage management:

	Overall Karnataka	**17 PRS**
Estimated sewage generation	3356.5 MLD	884.25 MLD
Existing no. of STPs and Treatment Capacity	141 STPs + 2 FSSM Capacity = 2289.56 MLD	40 STPs, Capacity = 635.54 MLD
Capacity Utilization of existing STPs	1592.4 MLD, percent utilization = 69.4%	410 MLD, Percent utilization = 64.1%
Sewage being treated through Alternate technology (MLD)	4.53 MLD through FSSM (2.26 MLD in Devanahalli and 2.27 MLD in Nelamangala)	Insitu bioremediation: proposed for the construction of artificial island in Dorekere (global village Techpark) and Kempambudhi (Sonnenahalli bridge) amounting to ₹62.41 lakh
Gap in Treatment Capacity in MLD	1066.47 MLD, Percentage gap = 31.7%	248.71 Percentage gap = 28.1%
No. of Operational STPs	128 STPs + 2 FSSM	No. of Operational STPs 37
No. of non-operational STPs	13 STPs	No. of non-operational STPs 3
No. of Complying STPs	95 STPs complying 39 STP compliance data yet to be procured	29 STPs complying 7 STPs compliance data yet to be procured
No. of Non-complying STPs	7 STPs non-complying	4 STPs non-complying

1.1 Details of each existing STP in the State:

	Karnataka (Annexure1a)			**17 PRS (Annexure1b)**		
	Bengaluru	Other than Bengaluru	Total	Bengaluru	Other than Bengaluru	Total
No. of STPs	33	108 STP + 2 FSSM	141STP + 2 FSSM	11	29	40
Existing treatment capacity (MLD)	1182.5	1107.06	2289.56	426	209.43	635.43
Capacity utilization (MLD)	920.6	671.78	1592.4	273.8	136.18	410

1.2 Details of ongoing (under construction, commissioned and trial run) STPs of State:

		Karnataka (Annexure 2a)			**17 PRS (Annexure 2b)**		
		Bengaluru	Other than Bengaluru	Total	Bengaluru	Other than Bengaluru	Total
Commissioned and trial run	No. of STPs	0	10	10	0	3	3
	Designed capacity (MLD)	0	47.1	47.1	0	31	31
Under construction	No. of STPs	8	47	55	1	7	8
	Designed capacity (MLD)	420	339.77	759.77	150	30.3	180.3

1.3 Details of proposed STPs in the State: 110 STPs

	Karnataka **(Annexure 3a)**			**17 PRS (Annexure 3b)**		
	Bengaluru	Other than Bengaluru	Total	Bengaluru	Other than Bengaluru	Total
No. of STPs	14	56 STPs + 50 FSSM	120	0	30 STPs+ 1 FSSM	30 STPs+ 1 FSSM
Treatment capacity (MLD)	124	150 (STP)+ 100 (FSSM)	274.51	0	90.196	90.196

50 FSSM have been administratively approved and ₹50 Crore has been allocated and are in the DPR preparation stage. Additionally, 101 FSSM have been proposed to the Government of Karnataka for administrative approval.

2 Details of Industrial Pollution:

2.1 Status of industries and effluent

As directed by the NGT in the matter of OA 593/2017, details of the industries and ETP status has been uploaded in the River Basin web portal, created by CPCB, by all the Regional Offices of KSPCB. The data compilation and scrutiny is under progress and the status will be presented in the next quarterly report.

2.2 Status of Common Effluent Treatment Plant

Number of CETPs: 10
Installed Capacity = 5895 KLD;
Operational Capacity = 3315 KLD;
Total number of industries connected to the CETPs = 746

Sl No	**CETP name**	**Installed capacity (KLD)**	**Operational capacity (KLD)**	**No. of member industries**	**Compliance**	**Action taken for non-complying CETPs**
1	Eco Green Solution Systems Pvt Ltd, KIADB, Doddaballapur	200	100	439	Complying	
2	Pai and Pai Chemicals-1	300	240	27	Complying	
3	Pai and Pai Chemicals-2	40	35	9	Complying	
4	Bangalore Eco park	100	30	46	Non-complying	Notice of Proposed Direction (NPD) issued, personal hearing conducted, directions issued as per the rules.
5	CETP Malur	60	45	41	Complying	
6	Govind Solvents	75	45	42	Non-complying	Criminal case registered, NPD issued, personal hearing conducted.
7	Viwa eco-club	20	20	40	Complying	
8	Lidkar Tanners	1000	200	84	Not working	
9	CETP Mangalore-1 MSEZ	3500	2000	5	Complying	

10	CETP Mangalore-2, Kotepura	600	600	13	Complying	
		5895	3315	746		

Details of under construction and proposed CETPs:

District	**Address**	**Status**	**Designed capacity**	**Proposed date of completion**
Bidar	2nd phase, Kolar industrial area	Under construction	1.2 MLD	31/03/2024
Yadgiri	KIADB, Kadechur-badiyal industrial area	Under construction	5 MLD	31/03/2024
Peenya	Peenya industrial area	EOI issued	Na	31/03/2024
Bellary	KIADB, 4th stage apparel park	Proposed	Na	31/03/2024
Raichur	KIADB, Growth cente	Proposed	Na	31/03/2024

3 Solid Waste Management:

3.1 Total number of Urban Local Bodies and their Population:

Other than Bengaluru: 288 ULB, population = 14541508; BBMP: 198, population = 8400000
Total urban population = 22941508

3.2 Current Municipal Solid Waste Generation:

1	Quantity of MSW generated (TPD)	11085
2	Quantity of MSW collected (TPD)	10198.2
3	Quantity of MSW segregated & transported (TPD)	6872.7
4	Quantity of MSW processed (TPD)	5838
5	Quantity of MSW disposed in secured land fill site (TPD)	3619.56
6	Gap in Solid Waste Management UTs (TPD)	1627.44

3.3 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:

Installed capacity of the processing facilities in the State is 6304 TPD and Operational Capacity is 2584 TPD as per the reports submitted by ULBs.

	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	
OTB (TPD)	1614.98	207.9	86.16	17.435	7.75	0.06	2.1	2.1	1	17
BBMP (TPD)	200356.3	26,046	Nil	Nil	6	65 m^3/d	0	0	0	Nil
Total (TPD)	2164	280	86.16	17.5	13.75	0.24 m^3/d	2.1	2.1	1	17

3.4 Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%):

Instructions have been given to ULBs to ensure that the existing MSW processing facility is used to its fullest capacity, since many of the ULBs were unable to ensure 100% utilization of existing facility because of infrastructure gaps. Accordingly 219 ULBs DPRs have been approved with the Designed capacity of 9159 TPD.

3.5 No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction):

Existing Facility: KSPCB has issued authorization to M/s. Rock Crystals C&D waste processing facility located at Chikkajal Bengaluru and it is operational with a capacity of 1000 TPD.

Proposed facility: M/s. Rubbel Revival Pvt Ltd., has obtained Consent For Establishment from KSPCB on 28.05.2020 to establish 750 MTPD plant in BBMP land located at Kannur village, Bangalore to process C&D waste. Additionally, sites for C& D waste processing facilities have been identified at Shivalli (50TPD) Hubli – Dharwad, at Vantamuri, Srinagar Belagavi, Mangalore, Mysore and Kalburgi.

3.6 Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source:

Out of existing 6590 wards, 100% D-D collection is being carried out in 6409 wards.

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

219 DPR have been approved Under SBM scheme for developing 9159 TPD processing facilities. The technology adopted in the DPRs include windrow composting, vermi, Boimethanation etc. 219 ULBs have invited tender to implement the contents of DPR.

Bangalore: KSPCB has issued the Consent of Establishment for 11.5 MW waste-to-energy plant at Bidadi to Karnataka Power Corporation Limited (KPCL). Details of other proposed waste-to-energy facilities in Bengaluru is as follows:

Status of establishment of W2E in Bangalore. (25.08.2020)						
Sl.No	**Name of the company**	**Quantity of waste**	**Nature of the waste**	**Power generation**	**Location**	**Status**
1	M/s satarem	1000 MT	Mixed waste	15 mw	Kannahalli (25 acres)	Agreement executed
2	M/s 3wayste	300 MT + 200 MT (Bulk generators)	Mixed waste	9.2 mw	Chikkanagamangala (15 acres)	Agreement executed
3	M/s Indium	100 MT	Mixed waste	2 mw	Doddabidarakallu (10,000 sqmts)	Agreement executed
4	M/s Firm Green	1000 MT	Mixed waste	**gCNG - 16 T/day (1.6%); LCO2 - 9T/day (0.9%); Bio fertilizer-182T/day(18.2%); RDF - 270 T/day (27%) L.Fill - 66T/day (6.6%) Med./Haz. Waste 23TPD (incineration)**	Mavallipura (13 acres)	Govt approval awaited
5	M/s Nexus Nova	600 MT	Mixed waste	8.5 MW	Marenahalli	Land to be procured from DC (Urban)
6	M/s NEG	500 MT	Mixed waste	8 mw	Mavallipura (15 acres)	Agreement to be executed
7	M/s KPC Limited	700 MT	RDF	11.2 MW	Bidadi (25 acres)	Tenders have been called and the agency is to be finalised.
	Total	**3500 MT + 600 MT RDF**				

3.8 No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills:

There are 202 Dumpsites and 52 Sanitary Landfills sites in the State. 219 ULBs are developing SLFs under Swachh Bharat Mission scheme.

3.9 No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers:

ULBs have been instructed not to dump the municipal solid waste on the rivers bank. There are 38 cities (Excluding BBMP) located on the River banks of the State out of which 26 cities have finalized their SWM DPRs under Swachh Bharat Mission(U) and are under various stages of implementation.

3.10 Bio-medical Waste Management:

- Total Bio-medical generation: 65.6 TPD + 2579 tons of COVID waste
- No. of Hospitals and Health Care Facilities: 35869
- Status of Treatment Facility/ CBMWTF: 65.6 TPD (CBMWTF = 61.5 TPD, deep burial = 4.1 TPD); COVID waste incinerated = 2579 tones

3.11 Hazardous Waste Management:

Total Number of HW Generating industry		3451
Quantity of hazardous waste generated (Metric Tonne)	**Landfillable**	52125 MTA
	Incinerable	35044 MTA
	Recylable	119967 MTA
	Utilizable	155326 MTA
	Total	362901 MTA
No. of Common hazardous waste TSDF/ Commomn incinerators/Common secured landfill		
Name and Address of the industry		**Capacity**

Mother Earth Environ Tech Pvt. Ltd, Plot No.217, Harohalli Indl. Area, 2nd phase, Kanakapura Tq, Ramanagara Dist.	95,000T/10yr
Ramky Enviro Engineers Ltd, Sy. No.75 to 85 of pemmanahalli and sy.No.7 & 9 of Thimmanayakanahalli, Dabaspet, Nelamangala Tq. Bangalore.	40,000MT/A
Mother Earth Environ Tech Private Limited Plot No 158 - 164, KIADB Kadechur Industrial Area, Plot No 158-164, KIADB Kadechur I.E, Kadechur, Yadgir Dist	2,57,297 T

3.12 Plastic Waste Management:

Total Plastic Waste generation: 627.4 TPD

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

Projects commencing under "waste to energy" initiative by BBMP to address the gap in MSW treatment. MSW treatment gap in northern part Karnataka is addressed by instructing all the cement industries to efficiently utilize the dry waste for Co-generation.

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

Fecal Sludge and Septage Management (FSSM) facilities of capacity 2.26 MLD at Devanahalli (Bengaluru) and 2.27 MLD at Nelamangala (Bengaluru) are currently operational. 50 FSSM have been administratively approved and ₹50 Crore has been allocated and are in the DPR preparation stage. Additionally, 101 FSSM have been proposed to the Government of Karnataka for administrative approval.

5 Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:

List of the drains contributing to the pollution of the 17 Polluted River Stretches have been identified.

Sl. No	Priority	River Name	Polluted Stretch	PRS Length (Km)	No. of drains
1	PIII	Arkavathi	Thippagondanahalli Reservoir to Kanakapura	55	16
2	PIII	Lakshmanteertha	Hunasuru to Kattemalalvadi	10	2
3	PIII	Malaprabha	Khanapur to Ramdurg	80	18
4	PIII	Tungabhadra	Harihara to haralahalli	60	6
5	PIV	Bhadhra	Bhadravathi to Holehonnur	10	6
6	PIV	Cauvery	Muller to Sattegala Bridge, Chamarajanagara; from Ranganattitu Bird Santuary, Srirangapattana Taluk, Mandya District to Sattegala Road Bridge, Kollegala Taluk, Chamarajanagar District	50	9
7	PIV	Kabini	Nanjanagud to Hejjige village	9	6
8	PIV	Kagina	Shahabad to Hongunta	10	1
9	PIV	Kali	Hasan Maad (west coast paper mill) to Bommanahalli	10	5
10	PIV	Krishna	Yadurwadi to Jungurwadi village; Yalagur Village to narayanpur Bridge; North of Uppinhal village in Lingur taluk to Tintini Bridge in Devadurga taluk	189.57	38
11	PV	Asangi - Krishna	Along Asangi Barrage, Bagalkot District.	33	3
12	PV	Shimsha	Yediyur to Halagur Bridge stretch	80	1
13	PV	Bhima	Ghanagapur to Yadgir	160	5
14	PV	Netravathi	Netravathi		

15	PV	Kumaradhara	Kumaradhara	55	13
16	PV	Tunga	Shivamogga To Kudli	10	6
17	PV	Yagachi	Belur to Halavagilu, Hassan	60	2

6 Details of Nodal Officer appointed by Chief Secretary in the State/UT:

Sri Vijay Kumar Gogi (IFS), Chairman, Karnataka State Pollution Control Board, Principal Secretary, Forest Department of Karnataka.

7 Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

a. Under the chairmanship of Sri Vijay Kumar Gogi (IFS), Chairman, Karnataka State Pollution Control Board, Principal Secretary, Forest Department of Karnataka, a review meeting was held with the stakeholder departments to discuss the progress and current status through Video conference on **24/08/2020** at the conference room, KSPCB. The meeting was attended (in person as well as through VC) by higher officers from KSPCB, DMA, KUIDFC, KUWS&DB, BWSSB and BBMP. Chairman directed the stakeholder departments to furnish the data and monthly progress relevant to the 17 PRS matter in OA. 673/2018.

b. Under the chairmanship of Sri Vijay Kumar Gogi (IFS), Chairman, Karnataka State Pollution Control Board, Principal Secretary, Forest Department of Karnataka, a review meeting was held with the stakeholder departments to discuss the progress and current status through Video conference on **29/08/2020** at the conference room, KSPCB. The meeting was attended (in person as well as through VC) by higher officers from KSPCB, DMA, KUIDFC, KUWS&DB, BWSSB and BBMP. Chairman reviewed the data and progress relevant to the 17 PRS matter in OA. 673/2018, furnished by the stakeholder departments. Chairman further directed to provide necessary data on a monthly basis.

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

Water Quality of Polluted River Stretches during the year 2020-21

Sl. No.	River Name	River Stretch	Monitoring Station/Location	Water Quality Data							
				Nov/20				Dec/20			
				DO	BOD	FC	TC	DO	BOD	FC	TC
1	ARKAVATHI	THIPPAGONDANA HALLI RESERVOIR TO KANAKAPURA TOWN	At D/S of Kanakapura	3.8	7	120x 10^2	920x10^2	4.8	8	7000	35000
			T.G. Halli Reservoir	6.2	7	170x 10^2	920x10^2	4.7	8	11000	160000
2	LAKSHMAN TIRTHA	HUNSUR TO KATTEMALAVADI	D/S of Hunsur Town	6	2.5	940	3500	5.9	3	920	2100
			D/S of Kattemalavadi	6	2.8	930	3900	5.5	3.5	780	2300
3	MALAPRABHA	KHANAPUR TO RAMDURG	At D/S of Aihole Town	5.1	2.04	540	920	4.5	1.26	920	>1600
			W/A point to Hubli Dharwad at Saundatti.	8.5	1.0	350	920	8.8	2.2	540	920
			At D/S of Khanapur Village	10	2.7	540	920	7.5	1.38	540	920
			At Badami Bridge	8.2	2.4	920	1600	5.9	1.08	920	>1600
4	TUNGABHADRA	HARIHARA TO HARLAHALLI BRIDGE	At Honnali Bridge	7.3	2	--	--	7.4	2.0	--	--
			At Ullanur Bridge	7.4	2	220	920	7.1	2.5	320	1600
			At Haralahalli Bridge	6.4	2.8	--	--	7.3	2.4	--	--

			Confluence point of Tunga and Bhadra at Kudli	8.1	2.1	--	--	7.1	2	--	--
			D/S of HPF	6.1	2.9	--	--	5.9	3.4	--	--
			At Jack Well Point	6.5	2.5	--	--	6.1	3	--	--
			At Harihar Water Supply Intake point	7	3.4	--	--	7	3	--	--
5	BHADRA	HOLEHUNNUR TO BHADRAVATHI	Near Holehonnur	7.1	2.6	--	--	7.8	2.2	--	--
			D/S of Bhadravathi City	6.4	2	--	--	5.5	2	--	--
6	CAUVERY	RANGANATHITTU TO SATHIGALA BRIDGE	At D/S of Road Bridge at Shrirangapatna	7.1	1.5	320	1200	6.7	1.9	220	1100
			At Ranganathittu	6.9	2.0	220	1400	6.8	1.6	220	1100
			At Satyagala Bridge	7	1.4	320	1200	7	1.4	260	1200
7	KABINI	NANJANGUD TO HEJJIGE	At Bathing Ghat, Nanjanagud	6.5	2	490	1500	6.6	1.8	330	1700
			Water supply intake point to T. Narasipura	7.00	1.40	170	840	7.1	1.4	93	790
8	KAGINA	SHAHABAD TO HONGUNTA	Kagina D/S of Sewage disposal point	7.8	2	1100	3500	7.6	2	790	2800
			At Shahabad Bridge	7.8	2	790	3500	7.4	2	700	2800
9	KALI	HASAN MAAD (WEST COAST PAPER MILL) TO BOMMANAHALLI RESERVOIR	At D/S of West Coast Paper Mills	7.5	2.7	63	141	7.6	2.5	122	252
10	KRISHNA	YADURWADI TO TINTINI BRIDGE	At D/S of Devasagar Bridge	7	2	350	1600	7.3	2.6	490	1600
			At D/S of Narayana pura Dam	6.3	0.9	920	1600	7.1	1.26	540	920
			At D/S of Ugarkhurd Barrage	7.5	1.2	920	1600	7.1	1.4	540	920
			Ankali Bridge Along Chikkodi Kagwad Road	7.8	1.0	920	1600	7.0	0.8	920	1600
			D/S of Alamatti Dam	6.4	1.14	920	1600	7.7	1.26	540	920
			AT Tintini Bridge	7.2	2	280	1600	7.6	2	280	1600
11	SIMSHA	YEDIYUR TO HALAGUR	At D/S of Bridge Halagur	5.8	3	430	2700	5.9	3	460	2100
			Near Yediyur on NH-47	7.6	2	9400	54000	6.6	4	11000	160000
			D/s Shimsha near Madduar town	5.7	3	490	2400	5.7	3	330	1700
12	KRISHNA (Asangi)	ALONG ASANGI BARRAGE	Asangi Village	7.2	2.0	280	1600	5.8	1.0	920	1600
13	BHIMA	GHANAGAPUR TO YADGIR	At D/S of Bridge near Yadgir	7.5	3	630	2800	7.3	3.1	610	2800
			At D/S of Road Bridge Ghanagapur Village	7.2	3	1100	3500	7.4	3	700	2800
			At Ferozabad	7.8	2	350	1600	7.2	2	460	2200
			Bhima River Confluence of Jewagri Town Sewage Disposal point	7.7	3	1100	3500	7.2	2.5	490	2200
14	KUMARADHARA	ALONG UPPINANGADI	U/S Uppinagady Town Before Confluence with river Nethravathi	7.6	2	<2	1600	7.4	2	1600	1600
15	NETRAVATHI	UPPINANGADI TO MANGALURU	Thumbe water supply station to Mangaluru city	7.6	2	1600	1600	7	2	240	1600
			U/s of Uppinangady town	7	2	1600	1600	6.7	3	13	1600
16	TUNGA	SHIVAMOGGA TO KUDLI	At D/S of Shimoga	7.3	2.2	--	--	5.5	2	--	--
17	YAGACHI	ALONG YAGACHI , HASSAN	Yagachi River Near Pumping Station, Hassan City	5.6	2.2	320	2200	5.2	2.4	330	2400

Note:*1)* ******* *- No Water in the River/ Reservior/ Samples are not Collected.*

2) ***—*** *: Data not submitted*

3) ***DO****- Dissolved Oxygen in mg/L,* ***BOD****-Biochemical Oxygen Demand in mg/L,****FC****- Fecal Coliforms in MPN/100ml,* ***TC****- Total Coliforms in MPN/100ml.*

9 Ground water regulation:

In order to control over exploitation of groundwater, the State Government has enacted the Karnataka Groundwater (Regulation and control of Development and Management) Act 2011, Rules 2012. As per the section 10 of the Act 2011 the areas will be notified. There is a restriction to drill a new bore well in the notified taluks. As per section 11 of the Act 2011, prior permission from the competent authority should be taken to drill a new bore well in the

notified area. Registration of drilling rigs is made compulsory to drill bore well in any part of the State. The registration certificates issued in form-7A by the Karnataka Groundwater Authority. Any commercial user of groundwater for industry / infrastructure / mining / entertainment purposes, must obtain permission / NOC from Karnataka Groundwater Authority (KGWA).

10 Good irrigation practices being adopted by the State:

Department of Agriculture and Horticulture have submitted an action plan for the implementation of the following measures: (a) farmers are made aware to use irrigation water optimally. (b) Adopting micro irrigation system (sprinkler and drip) in agricultural crops. (c) Crop rotation is encouraged

11 Rain Water Harvesting:

12 Demarcation of Floodplain and removal of illegal encroachments:

13 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.

14 Plantation activities along the rivers:

Under the Cauvery Calling campaign initiated by the ISHA foundation and supported by the Forest Department of Karnataka, up to 50 Lakh plant saplings have been distributed to the farmers in Karnataka. The saplings are meant to be planted along the river banks of Cauvery and its tributaries as a measure towards afforestation.

15 Development of Biodiversity Park:

The Forest Department has submitted an action plan for planting the samplings on the bank of the Polluted River Stretch of Arkavathi, which specifies the plantation of sapling and creating of Eco Park. Rs. 13.49 Cr has been ear-marked and a time-frame of March 2024 has been set.

16 Reuse of Treated Water:

Treated wastewater from Bengaluru is used for refilling tanks in Kolar (400 MLD) and Chikkaballapura (100 MLD) and watering the Bengaluru International Airport (BIA), Golf courses and park premises (lalbhag, Cubbon park etc.)

Total quantity of treated water reused in Bengaluru = 868.3 MLD; other than Bengaluru = 88.65 MLD. Additionally, the City corporations (Tumkur, Bellary, Chitradurga, Hubli-Dharwad, Mangalore, Bidar) have identified opportunities for re-use of 43.3 MLD at industrial areas.

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

Tungabhadra will be adopted as the model river by Karnataka. The rejuvenation of Tungabhadra has been initiated by approving the installation of four Real Time Water Quality Monitoring Stations (RTWQMS). The following sites are proposed for the installation of

RTWQMS. Advanced Centre for Integrated Water Resources Management (ACIWRM), Water Resource Department is proceeding with procurement and installation process.

Sl No	Location	Co-ordinates
1	Bridge across river Tungabhadra on Harihara-Sivamogga road, near Harihara town, upstream of HPF	Lat: 14º 31' 01''; Long: 75º 47' 59''
2	Jackwell point well on river Tungabhadra, downstream of HPF	Lat: 14º 32' 55''; Long: 75º 48' 10''
3	Tunga river, downstream of Sivamogga (Taralabalu School campus)	Lat: 13º 56' 25''; Long: 75º 35' 58''
4	Bhadra river near Water Treatment Plant (WTP) of Holehonnur village	Lat: 13º 59' 11''; Long: 75º 41' 02''

18 Status of Preparation of Action Plan by the 13 Coastal States:

Karnataka has a coastline of 225 km, distributed in 3 districts, namely, Uttara Kannada, Udupi and Dakshina Kannada. The progress of preparation of the action plan for Coastal Pollution Prevention is as follows:

Uttara Kannada: Submitted the draft Action plan to the KSPCB head office. Approval by KSPCB head office is under progress.

Dakshina Kannada and Udupi: preparation of the draft Action Plan is under progress.

19 Regulation of Mining Activities in the State/UT:

The Karnataka new sand policy 2020 has been issued as per government order CI 344 MMN 2019 Bengaluru dated;05/05/2020 and published in the Gazette dated 21/05/2020 it has come into force on the same day. A proposal was submitted to Govt. to create special enforcement squad called "Mineral Protection Force". It adds strength to the Competent Authority in curbing and controlling illegal mining storage and transportation.

20 Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:

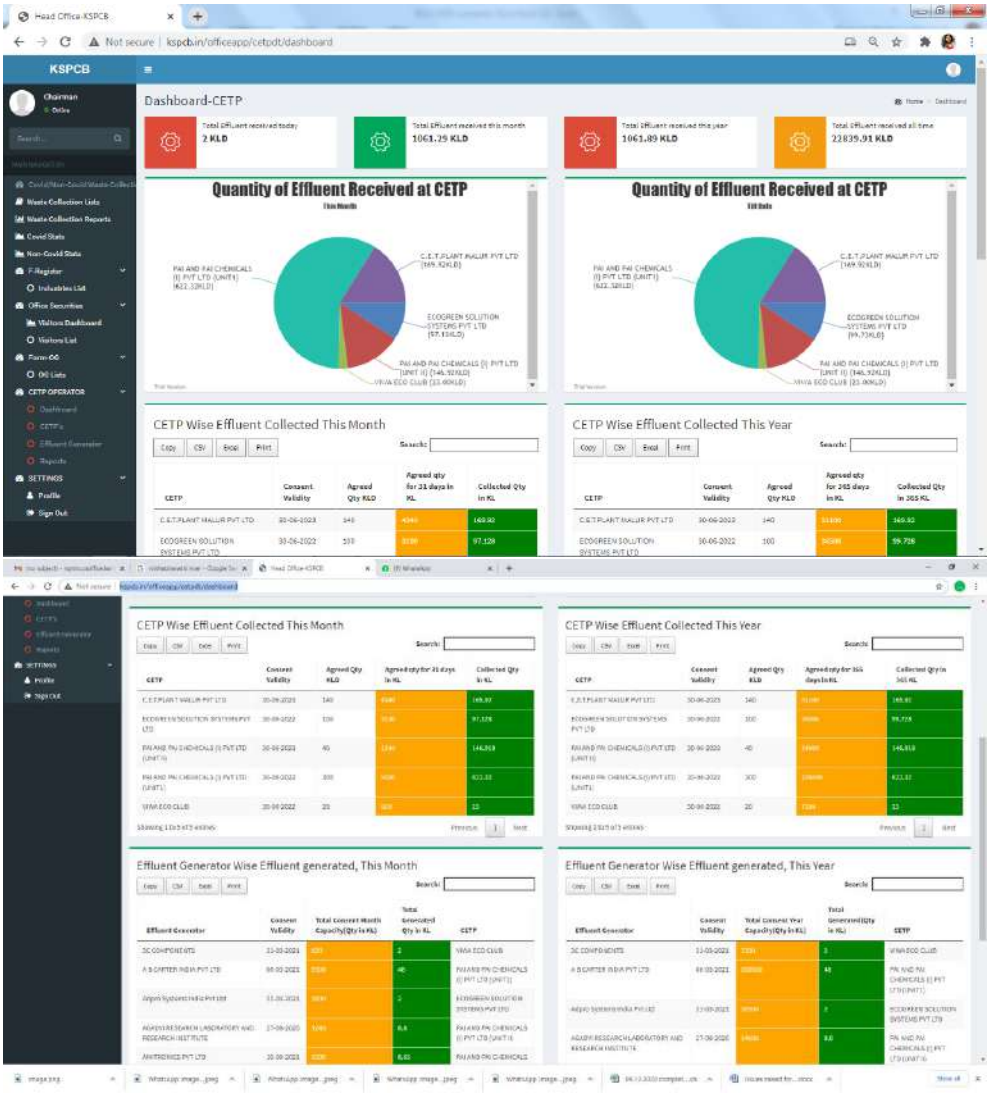
21 Progress made my Karnataka in compliance to the NGT orders in the matter of OA 673/2018

21.1 Water quantity flow meters with real time monitoring (RTM) system installed in CETPs

The 1st meeting of the committee constituted to review the functioning of CETPs was held on 20/09/2020, at KSPCB Head Office. Among others, the following decisions were taken by KSPCB:

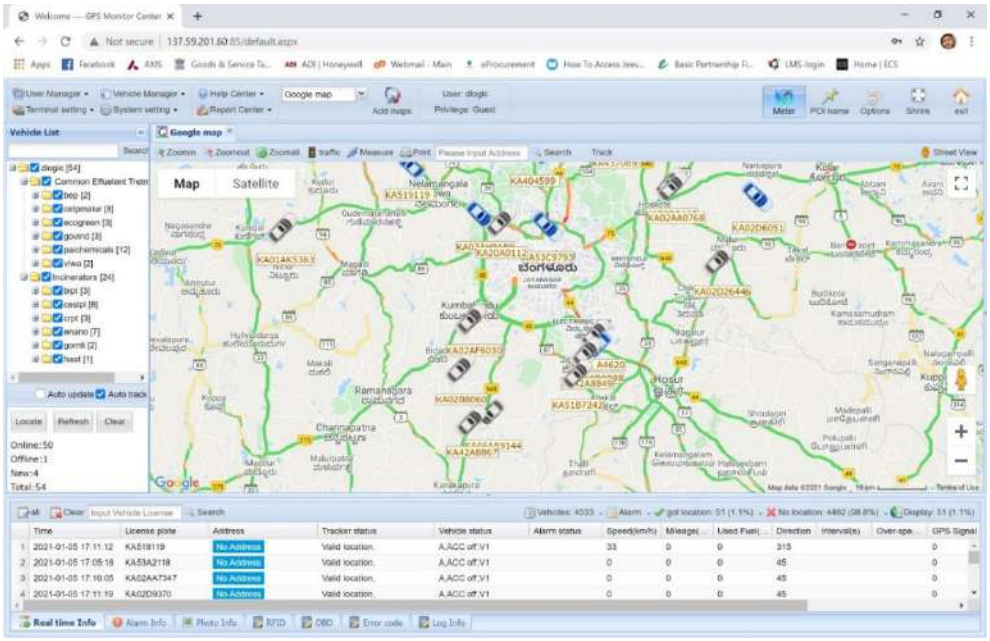
1. All existing and new CETPs must install flow meters at the inlet and outlet points.
2. CETPs must connect all the parameters to the real time monitoring (RTM) system.

Accordingly the installation of the water quantity flow meters with real time monitoring (RTM) system is in progress. The status of installation is as given in the table. The system also facilitates transfer of data from the plant to the Integrated Command Control Center (ICC) at KSPCB head office in real-time.



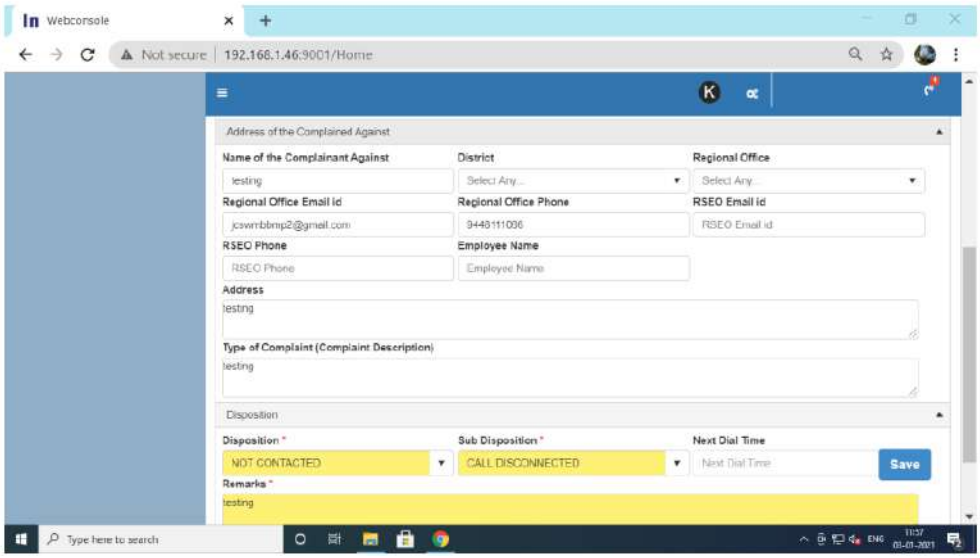
21.2 GPS tracking system for vehicles carrying effluent to CETP and incinerable hazardous waste to TSDF

KSPCB had installed GPS Tracking Device to the vehicles carrying effluent to CETP and incinerable hazardous waste to TSDF to regulate illegal dumping. 61 vehicles have been installed with GPS. The list of GPS fitted vehicles and web link has been published in media and put in public domain so that public can monitor the same and can complain against any deviation. Web link: http://kspcb.in/officeapp/cetpdt/dashboard



21.3 Integrated Command Control Centre (ICCC)

ICCC enabled with GPS technology, servers, manned by trained professional has been established at the KSPCB Head Office to cater the needs of general public and stake holders to lodge and track the complaints. It is also poised to display the online data coming from the private STPs. Under the ICCC, nodal Officers have been constituted from Line Departments (BBMP, BDA, BWSSB, Transport & Police, etc.,) to address public complaint on noise, water and air.



21.4 Field marshals to monitor illegal dumping of MSW along Vrishabhavathi valley

Regarding the illegal dumping of mixed municipal solid waste along the Vrishabhavathi valley (Bengaluru), KSPCB has engaged, Rtd. Military Officials as field marshals and four exclusive perambulation patrolling vehicles to monitor the illegal dumping. So far, three vehicles have been ceased for illegal dumping of waste and criminal case has been filed against them.

21.5 Action taken against non-compliance of Solid Waste Management facility: Criminal case has been filed against Mangalore City Corporation Commissioners (CC number 30/2020).

21.6 A 6.0 MLD STP at Dummansoor village, Chinnakere road, near forestry nursery, Humnabad, Bidar, has progressed from under construction to Commissioned stage. The project is implemented by KUIDFC.

21.7 KSPCB has issued the Consent of Establishment for a 11.5 mW waste-to-energy plant at Bidadi to Karnataka Power Corporation limited (KPCL).

21.8 As per the directions in OA 593/2017, details of the industries and ETP status has been uploaded in the 'River Basin Webportal', created by CPCB, by all the Regional Offices of KSPCB. The data scrutiny and compilation is under progress.

21.9 As per the directions in OA 829/2019 (reviewed under 593/2017), KSPCB has initiated the action to prepare the Coastal Pollution Prevention Action Plan by drafting the action plan for Uttara Kannada district. After finalising the action plan for Uttara Kannada, action plans for Dakshina Kannada and Udupi will be drafted.

21.10 Regional offices of KSPCB have been directed to carryout inspections at the waste processing facilities, landfills and STPs and to submit the compliance report.

Details of Exisiting STPs- Karnataka

Sl. no.	ULB	Implementing agency	Address of the STP	Coordinates of STP (Latitude)	Coordinates of STP (Longitude)	Status (Operational/Non Operational)	STP Installed Capacity (MLD)	Technology (UASB/ASP/OP/SBR/MBR/ FAB Etc.	STP capacity utilization (MLD)	Status of Complying (Complying/non-complying)
1	Bangalore Urban	BWSSB	Rajacanal	13.046082	77.646433	Operational	40	Activated Sludge Process (ASP)	36	Complying
2	Bangalore Urban	BWSSB	Rajacanal	13.046082	77.646433	Operational	40	Extended Aeration	40	Complying
3	Bangalore Urban	BWSSB	Jakkur	13.054	77.362	Operational	15	Moving Bed Biofilm Reactor (MBBR)	15	Complying
4	Bangalore Urban	BWSSB	K & C Valley	12.5627	77.3925	Operational	218	Activated Sludge Process (ASP)	190	Complying
5	Bangalore Urban	BWSSB	K & C Valley	12.5627	77.3925	Operational	30	Extended Aeration	30	Complying
6	Bangalore Urban	BWSSB	Horamavu	13.0444	77.6629	Operational	20	Sequencing Batch Reactor (SBR)	20	Complying
7	Bangalore Urban	BWSSB	Sarakki	12.8957	77.5746	Operational	5	Sequencing Batch Reactor (SBR)	4	Complying
8	Bangalore Urban	BWSSB	Bellandur Amanikere	12.9398	77.7166	Operational	90	Activated Sludge Process (ASP)	90	Complying
9	Bangalore Urban	BWSSB	Lalbagh	12.5638	77.037	Operational	1.5	Activated Sludge Process and UV method	1.5	Complying
10	Bangalore Urban	BWSSB	Cubbon Park	12.5815	77.3528	Operational	4	membrane Bio Reactor (MBR)	4	Complying
11	Bangalore Urban	BWSSB	Hebbal	13.28816	77.3549	Operational	60	Activated Sludge Process (ASP)	35	Complying
12	Bangalore Urban	BWSSB	Yelhanka	13.052	77.0354	Operational	10	Activated Sludge Process (ASP)	8	Complying
13	Bangalore Urban	BWSSB	Yelemelle chellappa chetty	13.117	77.4311	Operational	15	Sequencing Batch Reactor (SBR)	13	Complying
14	Bangalore Urban	BWSSB	Chikkabanavara	13.0457	77.3047	Operational	5	Sequencing Batch Reactor (SBR)	3.5	Complying
15	Bangalore Urban	BWSSB	Mailsandra	12.9192	77.4941	Operational	75	Activated Sludge Process (ASP)	75	Complying
16	Bangalore Urban	BWSSB	V Valley	12.561	77.6192	Operational	120	2 stage trickling filter	70	Complying
17	Bangalore Urban	BWSSB	V Valley (TTP)	12.5607	77.6192	Operational	60	High Rate Clarifier DENSADEG	10	Complying
18	Bangalore Urban	BWSSB	Kempambudhi	12.9558	77.312	Operational	1	Activated Sludge Process (ASP)	1	Complying
19	Bangalore Urban	BWSSB	Mallathahalli	12.5804	77.29	Operational	5	Sequencing Batch Reactor (SBR)	5	Complying
20	Bangalore Urban	BWSSB	Kadugodi	12.9894	77.7652	Operational	6	Sequencing Batch Reactor (SBR)	4	Complying
21	Bangalore Urban	BWSSB	Halasuru	12.597	77.3721	Operational	2	Sequencing Batch Reactor (SBR)	1.8	Complying
22	Bangalore Urban	BWSSB	Nagasandra	13.0232	77.2929	Operational	20	Sequencing Batch Reactor (SBR)	10.814	Complying
23	Bangalore Urban	BWSSB	Nagasandra	13.0232	77.2929	Operational	20	Extended Aeration	8.484	Complying
24	Bangalore Urban	BWSSB	K R Puram	13.1075	77.4137	Operational	20	Upflow Anaerobic Sludge	20	Complying
25	Bangalore Urban	BWSSB	Doddabele	12.8982	77.4779	Operational	40	Sequencing Batch Reactor (SBR)	30	Complying
26	Bangalore Urban	BWSSB	Kadabeesanahalli	12.9475	77.6981	Operational	50	Activated Sludge Process (ASP)	42	Complying

27	Bangalore Urban	BWSSB	K & C Valley	12.5622	77.3923	Operational	60	Activated Sludge Process (ASP)	60	Complying
28	Bangalore Urban	BWSSB	Kengeri	12.9162	77.4897	Operational	60	Activated Sludge Process (ASP)	40	Complying
29	Bangalore Urban	BWSSB	Doddabele	12.8982	77.4779	Operational	20	Sequencing Batch Reactor (SBR)	20	Complying
30	Bangalore Urban	BWSSB	Hulimavu	12.8721	77.6054	Operational	10	Sequencing Batch Reactor (SBR)	4.5	Complying
31	Bangalore Urban	BWSSB	Agaram	12.9261	77.6438	Operational	35	Sequencing Batch Reactor (SBR)	15	Complying
32	Bangalore Urban	BWSSB	Chikkabegur	12.8721	77.6054	Operational	5	Sequencing Batch Reactor (SBR)	3	Complying
33	Bangalore Urban	BWSSB	K.R.Puram	13.1075	77.4137	Operational	20	Sequencing Batch Reactor (SBR)	10	Complying
34	Hubballi-Dharwad	KUIDFC	Madihal in Dharwad	150 28' 18.27" N	75 0 01' 45.56" E	Operational	20	Sequencing Batch Reactor (SBR)	12	
35	Hubballi-Dharwad	KUIDFC	Gabbur in Hubballi	150 18' 18.44" N	75 0 08' 26.34" E	Operational	40	Sequencing Batch Reactor (SBR)	30	
36	Hubballi-Dharwad	KUWS&DB	At Ramanagar, near Ashraya colony, beside Tarihal Industrial area, Hubballi	150 21' 7.65" N	75 0 02' 46.10" E	Operational	0.25	MBBR	0.25	Complying
37	Hubballi-Dharwad	KUWS&DB	Tolanakeri, Akshaya colony, Hubballi	150 21' 28.82" N	75 0 06' 5.7" E	Operational	1	Phytorid	1	Complying
38	Hubballi-Dharwad	KUWS&DB	At RS No. 315, Unakal lake premises, Hubballi	150 23' 11.66" N	75 0 05' 54.38" E	Operational	3	Phytorid	3	Complying
39	Hubballi-Dharwad	KUWS&DB	Jogyallapur	150 23' 43" N	750 0' 38" E	Operational	0.25	MBBR	0.25	
40	Chikkodi	KUWS&DB	HIREKODI	16°45'30.47"N	74°57'12.54"E	Operational	5.80	Waste stabilisation ponds	1.80	
41	Davangere	KUWS&DB	Kundavada	43P 594437.95m E	43P 1599453.55m N	Operational	14.8	Waste Stabilzation pond	14.8	Complying
42	Vijayapura	KUIDFC	Indi Road, Vijayapur	"16.84N	75.72E"	Operational	31	Facultative Aerated Lagoons	25	
43	Jamkhandi	KUIDFC	Near Malgur road	16°31'33.2"N	75° 16' 22.9"E	Operational	7.6	Facultative Aerated Lagoons	2	
44	Raichur	KUIDFC	Eklaspur	16.23 N	77.33 E	Operational	20	FAL	12	
45	Raichur	KUIDFC	Hosur	16.18 N	77.33 E	Operational	8	FAL	5	
46	Chamarajanagar	KUIDFC	Near Boodithittu village	11.94 o N	76.9515	Operational	9	FAL	5	Complying
47	Tiptur	KUIDFC	HuchagondanahalliSy No 53	13"16"49'N	76.303	Operational	6	Sequencing Batch Reactor (SBR)	3	Complying
48	Doddaballapur	KUIDFC	Majarahosahalli Sy No.35	"13°29'57.04""N	77°53'64.01""E"	Operational	12	WSP	7	
49	Chikkaballapur	KUIDFC	Gopala Krishna Ammnikere Sy No.26(	13.5229	77.8367	Operational	10	WSP	7	
50	Guledgudda	ULB	Padanakatti Village	16°3'7.56"N	75°48'58.66"E	Non-operational	4	oxidation pond	3.74	
51	Badami	KUWS&DB	Behind Veerpulikesh Education Institution, Yaragoppa Road , Badami	15°54'30.60"N	75°40'20.67"E	Operational	4.3	WSP	3.63	
52	Mudhol	KUWS&DB	Near Yadahalli-Ingalgi road Mudhol	16°18'40"N	75°20'10"E	Operational	9.06	WSP	6.16	
53	Bilagi	KUWS&DB	Towards Korthi Road Distance 2 KM Away from city limit	16°21'38.29"N	75°37'26.24"E	Operational	3.5	WSP	2.2	
54	Hunagund	KUWS&DB	Ramawadagi Village Road	16°4'37.47"N,	76°4'43.38"E	Non-operational	3.5	WSP	0	
55	Bailhongal	KUWS&DB	Anigol Road, Bailhongal	15°48'05.37"N	75°51'38.09"E	Operational	8.28	Aerated Lagoon type	4	
56	Hadagali	KUWS&DB	2nd Ward Navali Road Near Old Filter House Hadagali	15°17'58.6" N	76°23'11.5" E	Operational	4.27	Waste Stabilisation Ponds	4.27	

57	Bellary	KUWS&DB	15 MLD at Cowl Bazaar	15° 8'17.51"N	76°57'6.86"E	Operational	15	Faculative Aerated Lagoon	15	Complying
58	Bellary	KUWS&DB	30MLD Annathapur Road	15° 7'41.70"N	76°54'30.99"E	Operational	30	Faculative Aerated Lagoon	30	Complying
59	Jewargi	KUWS&DB	Jewargi Town Near Kalaburagi Road	17° 01' 28.5" N	76° 46' 37.2" E	Non-operational	3.25	WSP	0	
60	Kanakapura	KUWS&DB	Aralalu Village	"12°31'31.68""N	77°25'05.01""E"	Operational	6.29	WSP	4	
61	Magadi	KUWS&DB	PURA GRAMA	"12°55'28.62""N	77°13'41.58""E"	Operational	3.7	WSP	1.5	
62	Anekal	KUWS&DB	Doodakere	"12°70'99.11""N	77°13'41.58""E"	Operational	3.3	Sequencing Batch Reactor (SBR)	1	Complying
63	Anekal	KUWS&DB	Aldenahalli	"12°71'99.58""N	77°70'68.62""E"	Operational	3.1	Sequencing Batch Reactor (SBR)	1	Complying
64	Kollegal	KUWS&DB	Kollegala- Mulluru Road	12.15 o N	77.11o E	Operational	9	Extended Aeration Type	5	Complying
65	Gundlupet	KUWS&DB	Zone 'A' HOSURU	11.81 deg N and	76.69 deg E	Operational	2.5	Waste stabilization	1.5	Complying
66	Gundlupet	KUWS&DB	Zone 'B' VIJAYAPURA	11.80 deg N and	76.69 deg E	Operational	1.5	Waste stabilization	1	Complying
67	Chikmagalur	KUWS&DB	Chennapura Road, Chikkamagaluru	13°18' 05.01" N	75°47' 80.71" E	Operational	20	MBBR	6	Complying
68	Birur	KUWS&DB	Hindu Rudrabhoomi, Yagati Road, Birur	13°36' 19" N	75°58' 49" E	Operational	2.64	WSP	0.3	Complying
69	Chitradugra	KUWS&DB	Beside Railway Track, Near NH4, Chitradurga	14° 23'	76° 40'	Operational	20	Sequencing Batch Reactor (SBR)	5	Complying
70	Harapanahalli	KUWS&DB	Narayanapura (Harapanahalli taluk)	43P 604197.16m E	43P 1635173.48m N	Non-operational	7.92	Waste Stabilzation pond	0	Non-complying
71	Honnali	KUWS&DB	Malladevarakatte	43P567661.09m E	43P 1571271.35m N	Non-operational	3.3	Waste Stabilzation pond	0	
72	Mangaluru(Pachanady)	KUIDFC	Pachanady	12.5529° N	74.533° E	Operational	8.75	ASP	4.50	Complying
73	Mangaluru(Kavoor)	KUIDFC	Kavoor	12.915° N	74.854° E	Operational	43.50	UASB	22.00	Complying
74	Mangaluru(Surathkal)	KUIDFC	Surathkal	13.0050° N	74.4819° E	Operational	16.50	ASP	1.50	Complying
75	Mangaluru(Bajal)	KUIDFC	Bajal	12.8517° N	74.8808° E	Operational	20.00	ASP	8.00	Complying
76	Sulia	KUWS&DB	Oldgate,Hosagadde, Sullia	12. 34 '11" N	75.23'41" E	Operational	2.00	OP	0.50	Complying
77	Belur	KUWS&DB	Hole Beedhi	13°09' 59" N	75°52' 23" E	Operational	2.4	WSP	2.4	Complying
78	Belur	KUWS&DB	Behind Ayyappa Swamy Temple	13°10' 19" N	75°52' 19" E	Operational	0.3	WSP	0.3	Complying
79	C.R Patna	KUWS&DB	Gadderameshwara badavane	12° 53' 23" N	76° 23' 45" E	Operational	4.6	WSP	4.6	
80	Hassan	KUWS&DB	Bittagowdanahalli	12° 58' 41" N	76° 05' 30" E	Operational	10	WSP	10	Complying
81	H. N Pura	KUWS&DB	Tattekere Grama	12° 47' 47" N	76° 16' 12" E	Operational	3	Oxidation pond	3	
82	Arasikre	KUWS&DB	Garudangiri Road	13° 20' 05.06" N	76° 15' 24.64" E	Operational	12	Sequencing Batch Reactor (SBR)	5	
83	Kalburgi	KUWS&DB	Near Nandikur Village	17° 16' 25"	76° 48' 40"	Operational	20	Sequencing Batch Reactor (SBR)	18	Complying
84	Kalburgi	KUIDFC	Near Nandikur Village	17° 16' 25"	76° 48' 40"	Operational	40	Sequencing Batch Reactor (SBR)	40	Complying
85	Kalburgi	KUWS&DB	Near Kapnoor Village Sy. No. 69/2 & 69/3	17° 22' 25"	76° 52' 40"	Operational	25	Sequencing Batch Reactor (SBR)	8.5	Complying

86	Karwar	KUIDFC	Gandhi nagar Near KEB Karwar	14.802614	75.129523	Operational	1.5	Aerator Lagoon	1.5	Complying
87	Chittapura	KUWS&DB	Chittapura Town Sy. No. 82/2	17° 08' 08" N	77° 04' 45" E	Operational	5.1	WSP	1	Complying
88	Kolar	KUWS&DB	Near Siddhartha school ,manighatta main Road ,gandhi nagara kolar	13°9'14.2"N	78°8'52.5"E	Operational	10.16	WSP	10	Complying
89	Srinivasapura	KUWS&DB	Hebbata kere	13°19'7"N	78°13'6.3"E	Operational	3	WSP	3	Complying
90	Chintamani	KUWS&DB	Near Gopasandra Tank	13°23'53.61"N	78°4'12.46"E	Operational	2	WSP	2	Complying
91	Siddlaghatta	KUWS&DB	Bellutti lake	13°22'29.09"N	77°51'11.66"E	Operational	3.1	WSP	3	Complying
92	Malur	KUWS&DB	Malur town,Kadadenahalli	13°0'18.36"N	77°55'38.5"E	Operational	4	SBR	1	Complying
93	Gangavathi	KUWS&DB	chikka janthkal Road at Gangavathi	15'41"08" N	76'54"99 E	Operational	14	Activated Sludge Process (FAB)	14	Complying
94	Maddur	KUWS&DB	Hole AnjananeyaTemple	12°35'18.20" N	77°03'36.65" E	Operational	3.5	WSP	3.5	Complying
95	Mandya	KUWS&DB	Yathagadahalli Road	12° 37' N	76°50' E	Operational	9.62	OP	7.5	Complying
96	Mandya	KUWS&DB	Chikkegowdana Doddi	12° 37' N	76°50' E	Operational	8.9	WSP	7.5	Complying
97	SR Patna	KUWS&DB	Chandagalu road Ganjam, Srirangapatna	12° 24'24.20" N	76°41'36.76" E	Operational	2.27	WSP	2.27	Complying
98	SR Patna	KUWS&DB	Chandagalu road Ganjam, Srirangapatna	12° 24'24.20" N	76°41'36.76" E	Operational	1.63	WSP	1.63	Complying
99	Nagamangala	KUWS&DB	Gaddebhuvanahalli	120 49'23.91" N	760 47'00.53" E	Operational	3	WSP	1	Complying
100	Malavalli	KUWS&DB	Goudgere	120 23'30.28" N	770 05'49.59" E	Operational	5.65	WSP	0.5	Complying
101	K.R Pet	KUWS&DB	Sy. No 32, Hosaholalu	120 37'41.80" N	760 28'39.72" E	Operational	5	WSP	2	Complying
102	Mysore	KUWS&DB	Rayanakere	12'14"30.07N	76'37"14.51E	Operational	60	Faculative Aerated Lagoon	39	
103	Mysore	KUWS&DB	Vidyaranyapuram	12'16"17.76N	76'38"59.30E	Operational	67.5	Faculative Aerated Lagoon	51	
104	Mysore		Hebbal			Operational	8	MBR	8	Complying
105	Mysore	KUWS&DB	Kesare	12'21"00.00"N	76'39"52.84E	Operational	30	Faculative Aerated Lagoon	15	
106	Nanjangud	KUWS&DB	Goluru	11.05 o N	76.42o E	Operational	7	Aerated Lagoons	2.35	Complying
107	Bannur	KUWS&DB	Chamanahalli	12.20 o N	76.52o E	Operational	2.5	Waste stabilization	0.5	Non-complying
108	Hunsur	KUWS&DB	Kalkunike	12.2 o 19'13.9"N	76o 17'19.4" E	Operational	3.9	Aerated Lagoons	3.9	Complying
109	K.R.Nagar	KUWS&DB	Madhuvinahalli	12°26'40.6"N	76°22'23.7"E	Operational	1.45	Waste stabilization	1.45	Complying
110	K.R.Nagar	KUWS&DB	Madhuvinahalli	12°26'44.5"N	76°22'14.9"E	Operational	2.5	Waste stabilization	2.5	Complying
111	K.R.Nagar	KUWS&DB	Kantenahalli	12°26'23.1"N	76°23'33.6"E	Operational	1.44	Waste stabilization	1.44	Complying
112	Ramanagar	KUWS&DB	Kumbapura	12°70'31.68" N	77°25'87.17" E	Operational	7.56	Aerated lagoon	7.56	Complying
113	Bhadravathi	KUWS&DB	Jatpat Nagara	13°51'34.5"N	75° 32' 15.3" E	Operational	5.83	WSP	2	Complying
114	Bhadravathi	KUWS&DB	Near APMC yard	13°51'34.5"N	75°42'56.1"E	Operational	7.2	WSP	2	Non-complying
115	Bhadravathi	KUWS&DB	At Ujjinipura	13°48'52.2"N	75°41'37.3"E	Operational	1	SBR	0.2	Non-complying
116	Shivamogga	KUWS&DB	Near Thyavarechatnalli	13° 56' 38.00" N	75° 35' 33.00" E	Operational	35.58	Aerated Lagoon	20	Complying
117	Shivamogga	KUWS&DB	Purle	13°57'2.2"N	75°35'46.9"E	Operational	5.13	Sequencing Batch Reactor (SBR)	0.2	Non-complying

118	Shikaripura	KUWS&DB	Ambaragoppa Village Cross	14° 17' 3.7" N	75° 19' 3.8" E	Non-operational	5	Sequencing Batch Reactor (SBR)	0	Non-complying
119	Tumkur	KUWS&DB	Bheemasandra village, City corporation Tumakuru	13°20'25.67"N	77°4'27.41"E	Operational	25	Aerated Lagoons	18	Complying
120	Turuvekere	KUWS&DB	Bidiswaste Sy No 101/1, 101/2, 103/1, 103/2 and others	13 10' 13.74" N	76 40' 24.46" E	Non-operational	1.95	UASB (Waste Stabilization ponds)	0	Non-complying
121	Udupi	KUIDFC	Nittur	13°34'09" N	74°74'21" E	Operational	12.50	Faculative Aerated Lagoon	5.00	Complying
122	Karkala	KUWS&DB	Hawaldharbettu	13.2151° N	74.9962° E	Operational	3.00	Oxidation Pond	0.25	Complying
123	Bhatkal	KUIDFC	Venktapura bhatkal	14.0168	75.5333	Operational	1.5	Waste stabilization Ponds	1.5	Complying
124	Basavana Bagewadi	KUWS&DB	Ivanagi Road Basavana Bagewadi	16o33'05" N	75o58'43" E	Operational	4.02	Waste stabilization Ponds	4.4	
125	Indi	KUWS&DB	Ahirasang Road Indi	17°11'35.11"N	75°57'11.41"E	Operational	4.2	Waste stabilization Ponds	4.52	
126	Talikote	KUWS&DB	RTC NO Survey No- 45/2, 3,4,5,RTC-66/2/1,58 Harnal Road, Talikote	16o45'42" N	76o31'55" E	Operational	4.24	Waste stabilization Ponds	3.74	
127	Bagalkot	KUWS&DB	Near APMC Bagalkot	16° 10' 40"N	75°42'23"E	Operational	12.5	OXIDATION pond	6.5	
128	Rabkavi Banahatti	KUWS&DB	Near Gattagi, Basaveshwara road	16° 29' 07.8"N	75°06' 28.30"E	Non-operational	9.2	Sequencing Batch Reactor (SBR)	0	
129	Bidar	KUIDFC	Goornalli B Village Bidar - 01 No. (KUIDFC)	17.865835 N	77.530642 E	Non-operational	17.26	Aerated Lagoon Type	0	
130	Birur	KUWS&DB	yagati road, BIRURU.	13.6054487	75.9807104	Non-operational	0.5	OXIDATION pond	0	
131	Gurmitkal town	KUWS&DB	Nanapur area in Gurmitkal	16° 85' 27.6284"	77° 39' 14.7656"	Operational	3	WSP	0.64	Complying
132	Bidar	KUWS&DB	Goornalli B Village Bidar - 01 No.	17.867725 N	77.529615 E	Operational	17.26	SBR	4	Complying
133	Gokak	KUIDFC	Maldinni Village	16.163275	74.87475	Operational	8.7	FAL	1.5	
134	Sadalga	KUWS&DB	Dattawad Road Honde	16°56'66.52"N	74°53'83.31"E	Operational	3.72	Aerated Lagoon type	1.00	
135	Davangere	KUIDFC	Shivanagar, Davanagere	14.496 "	75.920"	Operational	20	Sequencing Batch Reactor (SBR)	20	Complying
136	Davangere	KUIDFC	Avaragere	"14°27'17.6""N	75°57'03.5""E"	Operational	5	Sequencing Batch Reactor (SBR)	2.5	Complying
137	Davangere	KUIDFC	Shivanagar	"14°29'44.7""N	75°55'10.7""E"	Operational	20	Sequencing Batch Reactor (SBR)	15	Complying
138	Humnabad	KUIDFC	Dummanasoor village, Chinnakera Road,	17.7683	77.1313	Non-operational	6	WSP	0	
139	Laxmeshwar	KUWS&DB	Akkigunda, Desaiban	15.1849	75.5218	Non-operational	5.5	Aerated Lagoon	0	
140	Gadag-Betageri	KUWS&DB	Nagasamudra	15.4512° N	75.6426° E	Non-operational	10.8	WSP	0	
141	Ranebannur	KUIDFC	Hunatti	14.641018° N	75.646952° E	Operational	7.5	FAL	7.5	Commissioned
							2285.03		**1587.848**	

Details of Exisiting STPs- 17 PRS

Sl. no.	ULB	Implementing agency	Address of the STP	Coordinates of STP (Latitude)	Coordinates of STP (Longitude)	Status (Operational /Non Operational)	Reason for not operating	STP Installed Capacity (MLD)	Technology (UASB/ASP/OP/SBR/MBR/FAB Etc.	STP capacity utilization (MLD)	Status of Complying (Complying/non-complying)	Action taken if the STP is non-complying
1	Bangalore Urban	BWSSB	Chikkabanavara	13.0457	77.3047	Operational		5	Sequencing Batch Reactor (SBR)	3.5	Complying	
2	Bangalore Urban	BWSSB	Mailsandra	12.9192	77.4941	Operational		75	Activated Sludge Process (ASP)	75	Complying	
3	Bangalore Urban	BWSSB	V Valley	12.561	77.6192	Operational		120	2 stage trickling filter	70	Complying	
4	Bangalore Urban	BWSSB	V Valley (TTP)	12.5607	77.6192	Operational		60	High Rate Clarifier DENSADEG	10	Complying	
5	Bangalore Urban	BWSSB	Kempambudhi	12.9558	77.312	Operational		1	Activated Sludge Process (ASP)	1	Complying	
6	Bangalore Urban	BWSSB	Mallathahalli	12.5804	77.29	Operational		5	Sequencing Batch Reactor (SBR)	5	Complying	
7	Bangalore Urban	BWSSB	Nagasandra	13.0232	77.2929	Operational		20	Sequencing Batch Reactor (SBR)	10.814	Complying	
8	Bangalore Urban	BWSSB	Nagasandra	13.0232	77.2929	Operational		20	Extended Aeration	8.484	Complying	
9	Bangalore Urban	BWSSB	Doddabele	12.8982	77.4779	Operational		40	Sequencing Batch Reactor (SBR)	30	Complying	
10	Bangalore Urban	BWSSB	Kengeri	12.9162	77.4897	Operational		60	Activated Sludge Process (ASP)	40	Complying	
11	Bangalore Urban	BWSSB	Doddabele	12.8982	77.4779	Operational		20	Sequencing Batch Reactor (SBR)	20	Complying	
12	Chikkodi	KUWS&DB	HIREKODI	16°45'30.47"N	74°57'12.54"E	Operational	NA	5.80	Waste stabilisation ponds	1.80		By the end of January 2021 sewage quantity will be around 3.00 MLD as commissioning of Sewer network under Phase - II will be done by this time.
13	Davangere	KUWS&DB	Kundavada	43P 594437.95m E	43P 1599453.55m N	Operational		14.8	Waste Stabilzation pond	14.8	Complying	
14	Hadagali	KUWS&DB	2nd Ward Navali Road Near Old Filter House Hadagali	15°17'58.6" N	76°23'11.5" E	Operational	-	4.27	Waste Stabilisation Ponds	4.27		-
15	Jewargi	KUWS&DB	Jewargi Town Near Kalaburagi Road	17° 01' 28.5" N	76° 46' 37.2" E	Non-operational	Outfall Sewerline is damaged and HSC's are not connected.	3.25	WSP	0		> The estimate for Construction of STP of SBR technology amounting to Rs.16.43 crore under NGT is submitted to GoK vide letter no.922, Dated:24.11.2020.
16	Kanakapura	KUWS&DB	Aralalu Village	"12°31'31.68""N	77°25'05.01""E"	Operational		6.29	WSP	4		
17	Kollegal	KUWS&DB	Kollegala- Mulluru Road	12.15 o N	77.11o E	Operational	-	9	Extended Aeration Type	5	Complying	

18	Honnali	KUWS&DB	Malladevarakatte	43P567661.09m E	43P 1571271.35m N	Non-operational	0	3.3	Waste Stabilzation pond	0		The DPR for upgradation of UGD scheme to Honnali town as long term measures as per NGT standards amounting to Rs.60.00crores is submitted to Government for Approval vide Managing Director,KUWS&DB,Bengaluru ltr No.1991, dtd:22/01/2021.
19	Belur	KUWS&DB	Hole Beedhi	13°09' 59" N	75°52' 23" E	Operational		2.4	WSP	2.4	Complying	
20	Belur	KUWS&DB	Behind Ayyappa Swamy Temple	13°10' 19" N	75°52' 19" E	Operational		0.3	WSP	0.3	Complying	
21	Hassan	KUWS&DB	Bittagowdanahalli	12° 58' 41" N	76° 05' 30" E	Operational		10	WSP	10	Complying	
22	Karwar	KUIDFC	Gandhi nagar Near KEB Karwar	14.802614	75.129523	Operational		1.5	Aerator Lagoon	1.5	Complying	maintained by ULB
23	Maddur	KUWS&DB	Hole AnjananeyaTemple	12°35'18.20" N	77°03'36.65" E	Operational	NA	3.5	WSP	3.5	Complying	Upgradation of STP from 3.5 MLD to 6 MLD work is under construction and the treatment technology will be upgraded to SBR
24	SR Patna	KUWS&DB	Chandagalu road Ganjam, Srirangapatna	12° 24'24.20" N	76°41'36.76" E	Operational	NA	2.27	WSP	2.27	Complying	-
25	SR Patna	KUWS&DB	Chandagalu road Ganjam, Srirangapatna	12° 24'24.20" N	76°41'36.76" E	Operational	NA	1.63	WSP	1.63	Complying	
26	Nanjangud	KUWS&DB	Goluru	11.05 o N	76.42o E	Operational		7	Aerated Lagoons	2.35	Complying	CMC is maintaining the STP
27	Bannur	KUWS&DB	Chamanahalli	12.20 o N	76.52o E	Operational		2.5	Waste stabilization	0.5	Non-complying	TMC is maintaining the STP
28	Hunsur	KUWS&DB	Kalkunike	12.2 o 19'13.9"N	76o 17'19.4" E	Operational		3.9	Aerated Lagoons	3.9	Complying	
29	Ramanagar	KUWS&DB	Kumbapura	12˚70'31.68" N	77˚25'87.17" E	Operational	--	7.56	Aerated lagoon	7.56	Complying	CMC is maintaining STP
30	Bhadravathi	KUWS&DB	Jatpat Nagara	13°51'34.5"N	75° 32' 15.3" E	Operational		5.83	WSP	2	Complying	CMC is maintaining STP
31	Bhadravathi	KUWS&DB	Near APMC yard	13°51'34.5"N	75°42'56.1"E	Operational		7.2	WSP	2	Non-complying	
32	Bhadravathi	KUWS&DB	At Ujjinipura	13°48'52.2"N	75°41'37.3"E	Operational		1	SBR	0.2	Non-complying	
33	Shivamogga	KUWS&DB	Near Thyavarechatnalli	13° 56' 38.00" N	75° 35' 33.00" E	Operational		35.58	Aerated Lagoon	20	Complying	
34	Shivamogga	KUWS&DB	Purle	13°57'2.2"N	75°35'46.9"E	Operational		5.13	Sequencing Batch Reactor (SBR)	0.2	Non-complying	
35	Rabkavi Banahatti	KUWS&DB	Near Gattagi, Basaveshwara road	16° 29' 07.8"N	75°06' 28.30"E	Non-operational	House sevice connections are not given	9.2	Sequencing Batch Reactor (SBR)	0		

36	Sadalga	KUWS&DB	Dattawad Road Honde	16°56'66.52"N	74°53'83.31"E	Operational	NA	3.72	Aerated Lagoon type	1.00		The floor of STP is damaged due to heavy floods occured during Aug - 2019. The repair works are under progress.
37	Davangere	KUIDFC	Shivanagar, Davanagere	14.496 "	75.920"	Operational		20	Sequencing Batch Reactor (SBR)	20	Complying	
38	Davangere	KUIDFC	Avaragere	"14°27'17.6""N	75°57'03.5""E"	Operational		5	Sequencing Batch Reactor (SBR)	2.5	Complying	
39	Davangere	KUIDFC	Shivanagar	"14°29'44.7""N	75°55'10.7""E"	Operational		20	Sequencing Batch Reactor (SBR)	15	Complying	
40	Ranebannur	KUIDFC	Hunatti	14.641018° N	75.646952° E	Operational		7.5	FAL	7.5	Commissioned	
								635.43		**409.978**		

Details of Ongoing STPs- Karnataka

Sl. No.	District name	ULB name	Implementing agency	Amount approved (Cr Rs)	STP location	Co-ordinates		Proposed capacity (MLD)	Technology used	Status of the project	Percentage physical progress (%)	Financial progress			Proposed date of completion	Remarks
1	Bangalore Urban	bangalore Urban	BWSSB		Hennur lake			1	Soil biotechnology (secondary treatment)	Under construction	0					
2	Bangalore Urban	Bangalore Urban	BWSSB	612.21	V.Valley	12.5607	77.6192	150	Sequencing Batch Reactor (SBR)	Under construction	85	612.21	379.51	80.58	2021-03-31	
3	Bangalore Urban	Bangalore Urban	BWSSB	386.58	K&C Valley	12.5622	77.3923	150	Sequencing Batch Reactor (SBR)	Under construction	90	386.58	226.3	84.64	2021-03-31	
4	Bangalore Urban	Bangalore Urban	BWSSB	469	Hebbal	13.28816	77.3549	100	Sequencing Batch Reactor (SBR)	Under construction	95	469	330.97	92	2021-03-31	
5	Bangalore Urban	Bangalore Urban	BWSSB	35.01	Puttenahalli	13.10988 N	77.57554' E	7	Sequencing Batch Reactor (SBR)	Under construction	0	35.01	1.22	5	2022-05-03	
6	Bangalore Urban	Bangalore Urban	BWSSB	26.38	Kaggadasapura	12.98N	77.66E	5	Sequencing Batch Reactor (SBR)	Under construction	0	26.38	0	0	2021-11-03	
7	Bangalore Urban	Bangalore Urban	BWSSB	11.44	Hesaraghatta	13.122464	77.477912	3	Sequencing Batch Reactor (SBR)	Under construction	0	11.44	0	0	2022-05-05	
8	Bangalore Urban	Bangalore Urban	BWSSB	18.52	Madiwala	12.905011	77.610727	4	Sequencing Batch Reactor (SBR)	Under construction	0	18.52	0	0	2022-03-31	
9	Mysuru	T. Narasipura	KUWS&DB	47.98	T.N Pura- Talkad road	12°12'23.7"N	76°54'54.6"E	5.5	SBR	Trial Run		39.91	30.16	0.79	2021-08-31	Scheme commisioned on 25-10-2019. Balance work can be completed with in six months after getting the land and approval from NH and PWD departments. The meeting has been conducted in the AC office and the AC has been directed the land owners to submit the required document

10	Belagavi	kudachi	KUWS&DB	50.15	Near Hole Anjaneya Temple	12°35'18.20" N	77° 03'36.65" E	2.5	Upgradation of Existing 3.5 MLD WSP type STP to 6MLD capacity Aerated lagoon	Under construction	17%	3.84	3.06	10.12%	2022-04-14	Sewer network design approved vide CE, Mysuru proceedings No.1374 dtd:27.10.2020. The work program approved vide CE, Mysuru letter No.1408/2020-21 dated:04.11.2020 as per the NGT norms. Accordingly upgradation of existing 3.50 MLD WSP type to 6 MLD capacity Aerated Lagoons type STP will be taken up on top priority and complete the work within 9 months. Work is in progress.
11	Uttara Kannada	Dandeli	KUWS&DB	146.51	Nirmal nagar Janata colony-	15°15'49.0"N	74°37'23.4"E	0.5	Phytorid	Under construction	30%	1.7	1.4	82	2022-07-05	work is in progress.
12	Uttara Kannada	Dandeli	KUWS&DB		Kerwadi (Halmaddi village)	15°15'00.9"N	74°38'02.9"E	8	SBR	Under construction					2022-05-07	
13	Belagavi	Ramdurga	KUWS&DB	18.18 (revised estimate)	Near Halagatti village	15°57'53.86" N	75°19'51.45" E	3.3	Waste Stabilisation pond System.	Under construction	55%	860	840.72	46.24	2021-03-31	Work under progress
14	Belagavi	Ramdurga	KUWS&DB	18.18 (revised estimate)	In padukote area of Ramdurga town	15°56'39.24" N	75°17'29.33" E	1	Moving Bed Bio Reactor Type.	Under construction					2021-03-31	Work under progress
15	Belagavi	Belagavi	KUWS&DB	156	Halga Village	15°49'38.44" N	74°32'57.35" E	70	Moving Bed Bio Reactor Type.	Under construction						Under construction
16	Tumkur	Sira	KUWS&DB	42.36	Kallukote grama	13°45"53"N	76°54"19"E	10.6	SBR	Under construction	85%	11.27	8.55	80%	2-28-2021	Proposed to commission the scheme by end of February 2021
17	Chamarajanagar	Kollegala	KUWS&DB					9	Extended Aerator	Under construction						

18	Bellary	Kudalgi	KUWS&DB	25.07	Near NH-50, Kudligi town	14054'29.8" N	76022'15.5" E	4.6	SBR	Under construction	85%					
19	Kolar	Srinivasapura	KUWS&DB	24	1) Indiranagara near APMC yard	12°58"12"N	77°38"40"E	0.11	DEWATS	Trial Run	75%	13.95	10	11.86%	6-30-2021	Proposed to be commissioned by end of June 2021
20			KUWS&DB		2) Near Unikili Village	27.20°N	77.49°N	0.11	DEWATS	Trial Run						
21			KUWS&DB		3) Near Nallapalli	13.325°N	78.21°N	0.11	DEWATS	Trial Run						
22			KUWS&DB		4) Near Byrapalli Village	13.35°N	78.22°N	0.06	DEWATS	Trial Run						
23	Kolar	Kolar	KUWS&DB	73.73	Chinnapura tank, Manighatta main Road ,gandhi nagara kolar	13°9'14.2"N	78°8'52.5"E	8.00	SBR	Under construction	80%	68.41	49.88	72.91%	December 2021	Proposed to be commissioned by end of Dcemebr 2021
24	Kolar	KGF(Roberts onpet)	KUWS&DB	40.4	Parandahalli Tank	12.96°N	78.28°E	5.00	MBBR	Under construction	45%	5.61	2.4	42.78%	March 2021	Proposed to be commissioned by end of March 2021
25	Dakshina Kannada	Ullal	KUWS&DB	65.71	Kodi Kotepura	12°49'42.61" N	74°50'20.61" E	4.40	SBT	Under construction	30%					
26	Bengaluru Rural	Hosakote, CMC.	KUWS&DB	40.72	Chikkakere	77°79'67.3"E"	"13°07'30.11""N	8.52	SBR	Under construction	60%	8.29	4.51	55%		Revised estimate amouting to Rs.66.00crores is submitted to Government vide MD,KUWS&DB, Bengaluru ltr No. 153, dtd:30.4.2020 After
27	Shimoga	Sagar	KUWS&DB	71	Shiravala	14°10'47.64" N	75°0'18.36"E	9	SBR	Under construction	75%	12.14	8.62	71%	6-30-2021	
28	Tumkur	Tumkur	KUWS&DB	175.22	Bheemsandra	13°20"24"N	77°4'35"E	25	SBR	Under construction	0					
29	Tumkur	Gubbi	KUWS&DB	17.95	Amanikere Village Sy No.356,357	13°18"51"N	76°56"03"E	2.9	SBT	Under construction						Revised estimate submitted to GoK Vide ltr no.2350 dtd:18-12-2018 for approval.After approval the balance work will be taken up
30	Tumkur	Kunigal	KUWS&DB	24.23	Studform area	13°01"02"N	77°01"22"E	5.8	MBBR	Under construction						Revised estimate submitted to GoK Vide ltr no.2712 dtd:25-01-2019 for approval. After approval balance work will be taken up.
31	Kodagu	Kushalnagar	KUWS&DB		Gummankolli village	12°28'32.28" N	75°56'33.96" E	4.5	SBT	Under construction	0					Proposed to be completed and commissioned on January 2022
32	Chikkaballapur a	Bagepalli	KUWS&DB	27.33	Kurlakunte Kere	13°47'19.31" N	77°47'18.56" E	4.3	SBT	Under construction	0%	0.54	0	0	03-01-2022	Proposed to be completed and commissioned by March 2022

33			KUWS&DB		Reddy kere	13°47'30.47" N	77°40'7"E	0.55	SBT	Under construction	0%					
34	Chitradurga	Hosadurga	KUWS&DB	25.6	Goravinakallu village	N 13°80'29''	E 76°29'60''	3.3	SBR	Under construction	70	1077	798.42	31	Feb-22	Work in progress
35	Kalburgi	Sedam	KUWS&DB	20.22	Sy.No 239/2 Sedam Village Taluka Sedam	17°19'77.88" N	77°30'12.58" E	9.00	SBR	Under construction	0%	150	0	5%	2022-03-31	1.00No STP of 9.00MLD Capacity SBR Technology. The work is delayed due to Objection from adjacten Land owners @ Sy.no 168 and hence Alternate site for construction of STP at Sy No.239/2 is Handed over by TMC Sedam on dated 02.1.2021
36	Uttara Kannada	Bhatkal	KUWS&DB	200	venkatapura	14° 1' 2.86" N	74° 32' 8.67" E	3	SBR	Under construction					09-07-2022	
37	Uttara Kannada	Jali	KUWS&DB	200	venkatapura	14° 1' 2.86" N	74° 32' 8.67" E	3	SBR	Under construction	7%				09-07-2022	
38	Tumkur	Madhugiri	KUWS&DB	48.95	Solid Waste Management Area (4MLD)	13°40"11"N	77°13"37"E	4	MBBR and NEBR	Under construction	8%	3.3	0.2	6%	03-31-2022	Proposed to be commissioned by end of March 2022. Land for 4.0MLD and 0.6MLD STP are handed over during October-2020. Hence, there is deficit in progress. Now, the work is under progress.
39	Tumkur	Madhugiri	KUWS&DB		Lingenahalli Pavagada road (0.6MLD)			0.6	MBBR and NEBR	Under construction					03-31-2022	Proposed to be commissioned by end of March 2022. Land for 4.0MLD and 0.6MLD STP are handed over during October-2020. Hence, there is defeict in progress. Now, the work is under progress.
40	Tumkur	Madhugiri	KUWS&DB		Siddapura Sira road(80KLD)			0.08	MBBR and NEBR	Under construction					03-31-2022	Proposed to be commissioned by end of March 2022. Land for 4.0MLD and 0.6MLD STP are handed over during October-2020. Hence, there is defeict in progress. Now, the work is under progress.
41	Mysuru	Periyapatna	KUWS&DB					4.2	SBR	Under construction						
42	Uttara Kannada	Haliyal	KUWS&DB		Hullatti Village	18° 10' 48" N	74° 27' 12.82" E	3.5	SBR	Under construction						
43	Vijaypura	Sindhagi	KUWS&DB	90.75	Gutti Basavana canal	16' 55' 56"N	76'14'07"E	7.37	WSP	Under construction	--	1	0	0	2022-02-12	work to be taken up.

44	Vijayapura	Basavana Bagewadi	KUWS&DB	6.47	Jainapur	16°53'78"N	75°93'13.5"E	0.25	MBBR	Under construction	90	6.47	4.44	91	21-03-2021	
45	Vijayapura	Muddebihal	KUWS&DB	6.29	Near Mudnal MI pond	16°30'81.4"N	76°11'52"E	5.24	SBT	Under construction	40	5.46	0.7592	14	31-03-2021	STP land is cleared on july 2020 and work under progress
46	Hassan	Channarayapa	KUWS&DB					0.25	SBR	Under						
47	Udupi	Karkala	KUWS&DB	13	Kabettu	13.12.4362	74.59.103	3	SBR	Under construction	10				2021-05-21	
48	Mandya	Maddur	KUWS&DB					6	Aerated Lagoon	Under construction						
49	Chikkaballapura	Chintamani	KUWS&DB					6.4	SBR	Under construction						
50	Gadag	Gadag-Betageri CMC	KUWS&DB	150.06	Chikkoppa	15.4512° N	75.6426° E	13.88	WSP	Under construction	95	158.7	148.86	93.8	28-02-2021	Balance Works of 990.00 mtrs network, 28 Nos of Machineholes, 1000 Nos of HSCs, road restoration & other electro mechanical works are under progress.
51	Bellary	bellary city	KUWS&DB					2		Under construction						
52	Bellary	bellary city corporation	KUWS&DB					10		Under construction						
53	Raichur	Raichur CMC	KUWS&DB					5.5		Under construction						
54	Bidar	Bidar CMC	KUWS&DB					7		Under construction						
55	Bellary	Sandur TMC	KUWS&DB					0.55		Under construction						
56	Bellary	Sandur TMC	KUWS&DB					6		Under construction						
57	Davangere	Harihara	KUIDFC		**Harlapura**	14.31425	75.48138	18.00	FAL	Commissioned						
58	Haveri	Haveri	KUIDFC		Siddevapure	14.789008° N	75.41844° E	4.71	FAL	Commissioned						
59	Haveri	Ranebannur	KUIDFC		Hunatti	14.641018° N	75.646952° E	7.5	FAL	Commissioned						
60	Bagalkote	Ilakal	KUIDFC		**Tondyal Village**	15.987308	76.12681	8	FAL	Commissioned						
61	Gadag	Naragund	KUWS&DB		In Hirehal	15.7214	75.3849	4.18	WSP	Under construction						
62		Hubballi-Dharwad	KUWS&DB		At Kelageri lake premises, near Radhakrishna nagar, Dharwad	150 27' 22.08" N	75 0 58' 26.97" E	3	SBR	Trial Run					12-31-2020	Treated swage is used for repleshment of Kelageri lake
63	Haveri	Byadigi	KUIDFC	61.53	Theradahalli	140 41' 07.8"	750 28' 13.6"	5	SBR	Under construction	93%	61.53	56.36	91.60%	03-31-2021	

64	Bellary	Hospete	KUIDFC	55.43	Belagadu Village	0	76.38645	27	ASP	Under construction	95%	55.43	52.66	95%	03-31-2021	
65	Raichur	Sindhanur	KUIDFC	55.75	Sukalpet	15.761653	76.77597	12	FAL	Under construction	90%	55.75	50.18	90%	03-31-2021	
								806.87								

Note

No. of Ongoing STPs= 65

Commissioned & Trail run = 10 of 47.1 MLD

Under Construction= 55 of 759.77 MLD

Details of Ongoing STPs - 17 PRS

Sl. No.	District name	ULB name	Preliminary estimated cost of project (Cr Rs)	Amount approved (Cr Rs)	STP location	Co-ordinates		Proposed capacity (MLD)	Project beginning (date)	Technology used	Status of the project	Details on the status of project	If status of the project = Under construction, enter percentage physical progress (%)	Financial progress			Proposed date of completion	Remarks
1	Bangalore Urban	Bangalore Urban	705.34	612.21	V.Valley	12.5607	77.6192	150		Sequencing Batch Reactor (SBR)	Under construction		85	612.21	379.51	80.58	2021-03-31	
2	Mysuru	T. Narasipura	47.98	47.98	T.N Pura- Talkad road	12°12'23.7"N	76°54'54.6"E	5.5	03-07-11	SBR	Trial Run	Trial run		39.91	30.16	0.79	2021-08-31	Scheme commisioned on 25-10-2019. Balance work can be completed with in six months after getting the land and approval from NH and PWD departments. The meeting has been conducted in the AC office and the AC has been directed the land owners to submit the required document
3	Belagavi	kudachi	57.6	50.15	Near Hole Anjaneya Temple	12°35'18.20" N	77° 03'36.65" E	2.5	15.04.2020	Upgradation of Existing 3.5 MLD WSP type STP to 6MLD capacity Aerated lagoon	Under construction	11.5 Km of UPVC pipeline supplied & 1150 mtrs laid. 1567 mtrs of RCC pipeline supplied & 600 mtrs laid Manholes- 138 Nos constructed HSC- 375 Nos tackled	17%	3.84	3.06	10.12%	2022-04-14	Sewer network design approved vide CE, Mysuru proceedings No.1374 dtd:27.10.2020. The work program approved vide CE, Mysuru letter No.1408/2020-21 dated:04.11.2020 as per the NGT norms. Accordingly upgradation of existing 3.50 MLD WSP type to 6 MLD capacity Aerated Lagoons type STP will be taken up on top priority and complete the work within 9 months. Work is in progress.
4	Uttara Kannada	Dandeli	146.51 (Contract Amount: 69.16 Cr)	146.51	Nirmal nagar Janata colony-	15°15'49.0"N	74°37'23.4"E	0.5	06-07-19	Phytorid	Under construction	Hydraulic Design are under verification for Approval	30%	1.7	1.4	82	2022-07-05	work is in progress.
5	Uttara Kannada	Dandeli			Kerwadi (Halmaddi village)	15°15'00.9"N	74°38'02.9"E	8	06-07-19	SBR	Under construction	8MLD STP SBR Basin - launder form work is progress and final lift side wall casting is in progress. Chlorine contact tank - fully completed. Chlorination building - upto plinth completed. Admin building - upto plinth					2022-05-07	
6	Belagavi	Ramdurga	7.49	18.18 (revised estimate)	Near Halagatti village	15°57'53.86" N	75°19'51.45" E	3.3	01-09-10	Waste Stabilisation pond System.	Under construction	Delayed due to handing over site by ULB and public agitation . Work stsrted on 07.09.2020	55%	860	840.72	46.24	2021-03-31	Work under progress
7	Belagavi	Ramdurga	7.49	18.18 (revised estimate)	In padukote area of Ramdurga town	15°56'39.24" N	75°17'29.33" E	1	01-09-10	Moving Bed Bio Reactor Type.	Under construction	Delayed due to handing over site by ULB and public agitation . Work stsrted on 07.12.2020					2021-03-31	Work under progress
8	Chamarajanagar	Kollegala						9		Extended Aerator	Under construction							
9	Mandya	Maddur						6		Aerated Lagoon	Under construction							
10	Davangere	Harihara			Harlapura	14.31425	75.48138	18.00	December 2015	FAL	Commissioned	HSC under progress						
11	Haveri	Ranebannur			Hunatti	14.641018° N	75.646952° E	7.5		FAL	Commissioned	Rectification works under progress						
								211.3										

Details of Proposed STPs- Karnataka

Sl. No.	District name	ULB name	Implementing agency	Preliminary estimated cost of project (Cr Rs)	Amount approved (Cr Rs)	STP location	Proposed capacity (MLD)	Technology used	Status of the project	Details on the status of project	Proposed date of completion
1	Bangalore Urban	Bangalore Urban	BWSSB			Pillaganahally	4	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
2	Bangalore Urban	Bangalore Urban	BWSSB			Varthur	25	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
3	Bangalore Urban	Bangalore Urban	BWSSB			Nagasandra	9	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
4	Bangalore Urban	Bangalore Urban	BWSSB			Herohally	3	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
5	Bangalore Urban	Bangalore Urban	BWSSB			Karihobanahally	10	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
6	Bangalore Urban	Bangalore Urban	BWSSB			Chikkabanavara	4	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
7	Bangalore Urban	Bangalore Urban	BWSSB			Hosahally	6	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
8	Bangalore Urban	Bangalore Urban	BWSSB			Hemmigepura	13	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
9	Bangalore Urban	Bangalore Urban	BWSSB			Somapura	8	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
10	Bangalore Urban	Bangalore Urban	BWSSB			Talaghattapura	5	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
11	Bangalore Urban	Bangalore Urban	BWSSB			Bilishivale	17	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	

12	Bangalore Urban	Bangalore Urban	BWSSB			Doddabetta hally	7	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
13	Bangalore Urban	Bangalore Urban	BWSSB			Jakkur	7	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
14	Bangalore Urban	Bangalore Urban	BWSSB			Yelahanka	6	Sequencing Batch Reactor (SBR)	Tendering	work order will be issued in the financial year 2021-2022; Construction will egin in the financial year 2022-2023	
15	Dakshina Kannada	Bantwala	KUWS&DB	56.54	56.54	Kamaje	4.14	SBR	Land acquisition	Tender will be invited after the land is handed over to the Board.	
16	Dakshina Kannada	Bantwala	KUWS&DB			Kaikunje	0.22	SBR	Land acquisition		
17	Mandya	Srirangapatna	KUWS&DB	40.8	Yet to be approved	Ganjam	2.4	Upgradation of existing 3.6 MLD STP to 5MLD capacity SBR type.	DPR submitted	The DPR for “Providing 2nd Stage UGD scheme to Srirangapatna town” amounting for Rs 40.80 Crores is submitted to Government for Administrative approval vide MD, KUWSDB, Bangalore letter no:294/2020-21, dtd:26.05.2020. Meanwhile, as per the directions of GoK	
18	Mysore	Nanjanagud	KUWS& DB	36.86	Yet to be approved	Goluru village	0	Upgradation of Existing 7 MLD STP(WSP) to 7 MLD SBT type STP	DPR submitted	The DPR for upgradation of UGD scheme to Nanjanagudu city as per NGT standards has been submitted to Govt. for administrative approval vide Board letter No. 289 dated: 22/05/2020 & Local body resolution submitted to Govt. on 07-10-2020. Meanwhile, as per the directions of GoK	
19	Mysore	Hunsur	KUWS&DB	80	Yet to be approved	Kalkunike	8	SBR	DPR submitted	DPR for Rs. 80.0 Crores is submitted for approval to Govt vide ltr 288/2019-20, dtd:22-05-2020. As per the directions of GoK vide letter No: UDD/01UWL/2019 (Part - 1) dated 14.09.2020, DPR for short	
20	Dakshina Kannada	Subramanya	KUWS&DB	5.23	Yet to be approved	Back side of Subramanyeshwara college	2.6	SBR	DPR submitted	DPR for upgradation of the existing 2.60 MLD STP to SBR type amounting to Rs. 5.23 crore is submitted to the Govt. for approval vide Board Ltr. No. 414 Dtd:-11-06-2020 and resubmitted vide Board letter No. 1514 dt: 23-11-2020. Approval is awaited.	24 Months after entrustment of the tender.

21	Dakshina Kannada	Belthangadi (FSSM)	KUWS&DB	10.3	Yet to be approved	Near Crematorium at Renkendaguttu	0.006	FSTP	DPR submitted	DPR for providing FSSM system to the town amounting to Rs.10.30 crore for is submitted to the Govt. for approval vide Board Ltr. No. 2681 Dtd:-15-02-2020 & re-submitted vide Board letter No. 414 dated 11-06-2020 and letter No. 1514 dated 23-11-2020 for approval. Approval is awaited.	24 Months after entrustment of the tender.
22	Hassan	Hassan	KUWS&DB	165	Approved	Near Bittgondanahalli	20	SBR	DPR submitted	Prequalification tender for the work of Providing 3rd stage UGD system to Hassan city under Honorable National Green Tribunal is invited vide Chief Engineer, KUWS & DB, Mysuru tender notification No.1865 Dtd:-18.1.2021	
23	Hassan	Hassan	KUWS&DB		Approved	Near KSRTC Bus Stand (Channapatna tank bed)	10	SBR	DPR submitted		
24	Hassan	Hassan	KUWS&DB		Approved	Near Hunsinakere tank bed	5	SBR	DPR submitted		
25	Hassan	Hassan	KUWS&DB		Approved	Near Jayanagara	2	MBBR	DPR submitted		
26	Hassan	Hassan	KUWS&DB		Approved	Near Gavenahalli	2	MBBR	DPR submitted		
27	Hassan	Belur	KUWS&DB	43	Yet to be approved	Holle bidi	5	SBR	DPR submitted	DPR submitted to the Govt. vide Board Ltr. No.546 Dated: 30.6.2020. As per the directions of GoK vide letter No: UDD/01UWL/2019 (Part - 1) dated 14.09.2020, for short term measures estimate amounting to Rs. 1484.00 lakhs has been submitted to the Govt. vide Board letter No	
28	Hassan	Belur	KUWS&DB		Yet to be approved	Neheru Nagar	1	MBBR	DPR submitted		
29	Hassan	Belur	KUWS&DB		Yet to be	Rayapura	1	MBBR	DPR submitted		
30	Belagavi	Ainapur	KUWS&DB	13.31	--	On Kudachi Road, west of Ainapur road near nala	1.2	Phytorid STP	DPR submitted	Project is to be approved	
31	Belagavi	Khanapur	KUWS&DB	8.06	--	Police station training centre	0.5	Moving Bed Bio Reactor Type.	DPR submitted	Project is to be approved	
32						Belagavi - Panaji Road	0.5	Moving Bed Bio Reactor Type.	DPR submitted		
33						Near ISCON Temple	0.5	Moving Bed Bio Reactor Type.	DPR submitted		
34						Khanapur- MK Hubbalii bridge	0.5	Moving Bed Bio Reactor Type.	DPR submitted		

35	Belagavi	Soundatti	KUWS&DB	16.45	--	Neat Tahashildar Office	3.5	Sequential Batch Reactor Type	DPR submitted	Project is to be approved	
36	Belagavi	MK Hubli	KUWS&DB	5.12	--	Bailhongal road	0.5	Moving Bed Bio Reactor Type.	DPR submitted	Project is to be approved	
37					--	Katagyan Keri	0.25	Moving Bed Bio Reactor Type.	DPR submitted		
38	Belagavi	Munavalli	KUWS&DB	9	--	Near grave yard	1	Moving Bed Bio Reactor Type.	DPR submitted	Project is to be approved	
39						Near Panchalingeshwar Temple	0.25	Moving Bed Bio Reactor Type.	DPR submitted		
40	Belagavi	Kudachi	KUWS&DB	13.31	--	Adjecent to Gundawad Road	1.2	Phytorid STP	DPR submitted	Project is to be approved	
41	Belagavi	Ugarkhurda	KUWS&DB	13.51		South West of Basav Nagar & on Ainapur	1.2	Phytorid STP	DPR submitted	Project is to be approved	
42	Belagavi	Examba	KUWS&DB	18		At North of Kumbar Nagar on Dharwad Road	1.2	Phytorid STP	DPR submitted	Project is to be approved	

43	Belagavi	Chinchili	KUWS&DB	10.68		Opposite to UpparOni & west of Railway Track	1.2	Phytorid STP	DPR submitted	Project is to be approved	
44	Uttara Kannada	Karwar	KUWS&DB	29.3		Alwewada	3	SBR	DPR submitted		
45	Uttara Kannada	Karwar	KUWS&DB	under preprat ion		Yet to be finalised	7	MBBR	DPR preparation		
46	Uttara Kannada	Karwar	KUWS&DB			Yet to be finalised	2	MBBR	DPR preparation		
47	Kalaburagi	Jewargi	KUWS&DB	16.43	Yet to be approved	Sy No. 21 of Jewargi B Village	5.83	SBR STP	DPR submitted	DPR submitted to Government of Karnataka vide Managing Director, KUWSDB, Bangalore letter No. 922 dated 24-11-2020.	
48	Davanagere	Honnali	KUWS&DB	60.00	Yet to be approved	Malladevarakatte	1	MBBR	DPR submitted	DPR submitted	
49	Shivamogga	Shivamogga	KUWS&DB				0	Treatment technology upgradation	DPR submitted	DPR submitted	
50	Shivamogga	Bhadravathi	KUWS&DB				0	Treatment technology upgradation	DPR submitted	DPR submitted	
51			KUWS&DB			Kallapu Burdu	1.70	SBT	Land		

52		Hosakote CMC	KUWS&DB			Pethanahalli kere	1.82	SBR	Land acquisition	Site not yet handed over by ULB	
53	Shimoga	Sagar	KUWS&DB			LB Nagar	0.62	MBBR	DPR preparation		
54	Uttara Kannada	Kumta	KUWS&DB	35	35	Gund, Shashihittal	4.6	SBR	Except STP other works are under progress	1. Application for consent for establishment (CFE) has been filed and clearance is sought from KSPCB for construction of STP. But due to non conformity to certain regulatory norms of KSPCB, CEF is not issued yet. However the Environmental Officer, KSPCB, RO, Karwar vide letter No. 451 Dtd: 04/09/2020. has submitted his inspection report and recommendations to Member Secretary, KSPCB, Bengaluru. Accordingly,	31-05-2021
55	Uttara Kannada	Honnavara	KUWS&DB	28	28	Udhyam Nagar	2.6	SBR	Except STP other works are under progress		31-05-2021
56	Hassan	Arkalgud	KUWS&DB				1.2		Land acquisition	Site not yet handed over by ULB	
57	Hassan	Arkalgud	KUWS&DB				1.3		Land acquisition	Site not yet handed over by ULB	
58	Yadagiri	Shorapura	KUWS&DB	50.41		Vanakihal	7.5	SBR	DPR submitted	DPR prepared for Rs.5041.00 Lakhs and Submitted to the Govt vide letter No.1114 date : 13-11-2019 for Administative Approval.	
59			KUWS&DB			Venktapur	1	SBR	DPR submitted		
60			KUWS&DB			Narsingpet (Behind Loddaset Rice mill)	0.75	SBR	DPR submitted		
61			KUWS&DB			Talavargera Chavani	0.15	NEBR	DPR submitted		
62	Bellary	Deodurga	KUWS&DB	36.94		Huvinahadagi, Kalaburagi Road, Deodurga	5	SBR	DPR submitted	DPR prepared for Rs.3694.00 Lakhs and Submitted to the Govt vide letter No.49 date :08-04-2020 for Administative Approval and after attending observations once again submitted to Govt vide letter no 1173, dated	
63	Udupi	Kaup	KUWS&DB	3.03	3.03	Dumping yard	0.30	SBR	DPR approved		
64	Uttara Kannada	Bhatkal	KUWS&DB				2.5	MBBR	Yet to start the work	Foundation drawing to be submitted for Approval	

65	Uttara Kannada	Haliyal	KUWS&DB			Near B K road	0.75	Phytorid	Work order issued	Hydraulic Design are under verification for approval.	
66	Kodagu	Madikeri	KUWS&DB			Near Golf Ground, K Badaga Village	3	SBT	Land acquisition		
67	Vijayapura	Basavana Bagewadi	KUWS&DB			Savalahalla Tanda	0.25	MBBR	Land acquisition	Site is yet to be handed over by ULB	
68	Belgaum	Sankeshwar	KUWS&DB				5.91		DPR submitted	DPR submitted to Govt for Approval - Rs.96.60 Cr	
69	Belgaum	Hukkeri	KUWS&DB				3.87		DPR submitted	DPR submitted to Govt for Approval - Rs.68.85 Cr	
70		Hubballi-Dharwad	KUWS&DB			Sy. No. 151, Narendra village, University of agricultural sciences premises, Dharwad	10	SBR	Land acquisition		01-31-2020
							274.516				

Note

No. of proposed STPs=69 + 1 FSSM

Details of Proposed STPs- 17 PRS

Sl. No.	District name	ULB name	Implementing agency	Preliminary estimated cost of project (Cr Rs)	Amount approved (Cr Rs)	STP location	Co-ordinates		Proposed capacity (MLD)	Project beginning (date)	Technology used	Status of the project	Details on the status of project	Remarks
1	Dakshina Kannada	Bantwala	KUWS&DB	56.54	56.54	Kamaje	12.53'20.15"N,	75.01'59.10"E	4.14	Tender will be invited after the land is handed over to the Board.	SBR	Land acquisition	Tender will be invited after the land is handed over to the Board.	DPR amounting to Rs.56.54 crores approved by the Government on 30.11.2017. Tender could not be invited for the work as the lands for construction of wetwells and STPs have not yet been handed over by ULB to the Board. A letter has been addressed to the Land Acqusition Officer and Asst.Commissioner,Mangaluru by Exe.Engineer, Mangaluru vide letter No. 926 dated 09-12-2020 requesting to complete the land acquisition process and to hand over the land to ULB. Also vide letter No. 1804 dated 07-01-2021, CE, Mysuru has requested the Director, DMA in this regard. After obtaining the required lands, tender will be invited.
2	Dakshina Kannada	Bantwala	KUWS&DB			Kaikunje	12.52'26.34" N,	75.02'8.3" E	0.22		SBR	Land acquisition		
3	Mandya	Srirangapatna	KUWS&DB	40.8	Yet to be approved	Ganjam	12˚ 24'24.20" N	76˚41'36.76" E	2.4	Works will be taken up after approval of DPR	Upgradation of existing 3.6 MLD STP to 5MLD capacity SBR type.	DPR submitted	The DPR for "Providing 2nd Stage UGD scheme to Srirangapatna town" amounting for Rs 40.80 Crores is submitted to Government for Administrative approval vide MD, KUWSDB, Bangalore letter no:294/2020-21, dtd:26.05.2020. Meanwhile, as per the directions of GoK vide letter No: UDD/01UWL/2019 (Part -	The DPR for "Providing 2nd Stage UGD scheme to Srirangapatna town" amounting for Rs 40.80 Crores is submitted to Government for Administrative approval vide MD, KUWSDB, Bangalore letter no:294/2020-21, dtd:26.05.2020. Meanwhile, as per the directions of GoK vide letter No: UDD/01UWL/2019 (Part - 1) dated 14.09.2020, an estimate for diverting polluted stream joining Cauvery river and upgradation of STP of 3.6 MLD WSP type to 5.00 MLD SBT type at Sirangapatna town" amounting to Rs.1630.50 lakhs has been submitted to Govt. for administrative approval vide Board letter no:1514/2020-21 dtd:23.11.2020.
4	Mysore	Nanjanagud	KUWS& DB	36.86	Yet to be approved	Goluru village	12°05'59" N	76°42'55" E	0	NA	Upgradation of Existing 7 MLD STP(WSP) to 7 MLD SBT type STP	DPR submitted	The DPR for upgradation of UGD scheme to Nanjanagudu city as per NGT standards has been submitted to Govt. for administrative approval vide Board letter No. 289 dated: 22/05/2020 & Local body resolution submitted to Govt. on 07-10-2020. Meanwhile, as per the directions of GoK vide letter No: UDD/01UWL/2019 (Part -	The DPR for upgradation of UGD scheme to Nanjanagudu city as per NGT standards has been submitted to Govt. for administrative approval vide Board letter No. 289 dated: 22/05/2020 & Local body resolution submitted to Govt. on 07-10-2020. Meanwhile, as per the directions of GoK vide letter No: UDD/01UWL/2019 (Part - 1) dated 14.09.2020, the work of diverting polluted stream joining Kabini river near Hejjige and Okkalakeri is taken up under DC works by CMC Nanjangudu and the work is Completed and commissioned on 25.10.2020
5	Mysore	Hunsur	KUWS&DB	80	Yet to be approved	Kalkunike	12°05'59" N	76°17'19.4"E	8	-	SBR	DPR submitted	DPR for Rs. 80.0 Crores is submitted for approval to Govt vide ltr 288/2019-20, dtd:22-05-2020. As per the directions of GoK vide letter No: UDD/01UWL/2019 (Part - 1) dated 14.09.2020, DPR for short term measures amounting to Rs.2680.00	DPR for Rs. 80.0 Crores is submitted for approval to Govt vide ltr 288/2019-20, dtd:22-05-2020. As per the directions of GoK vide letter No: UDD/01UWL/2019 (Part - 1) dated 14.09.2020, DPR for short term measures amounting to Rs.2680.00 lakhs is submitted to the Govt. vide Managing Director, KUWS and D Board Bengaluru ltr no: 1514 dt: 23-11-2020. Approval is awaited.
6	Dakshina Kannada	Subramanya	KUWS&DB	5.23	Yet to be approved	Back side of Subramanyeshwara college	120.40'01" N,	75.36'33" E	2.6	Works will be taken up after approval of DPR	SBR	DPR submitted	DPR for upgradation of the existing 2.60 MLD STP to SBR type amounting to Rs. 5.23 crore is submitted to the Govt. for approval vide Board Ltr. No. 414 Dtd:-11-06-2020 and resubmitted vide Board letter No. 1514 dt: 23-11-2020. Approval is awaited.	DPR for upgradation of the existing 2.60 MLD STP to SBR type amounting to Rs. 5.23 crore is submitted to the Govt. for approval vide Board Ltr. No. 414 Dtd:-11-06-2020 and resubmitted vide Board letter No. 1514 dt: 23-11-2020. Approval is awaited.
7	Dakshina Kannada	Belthangadi (FSSM)	KUWS&DB	10.3	Yet to be approved	Near Crematorium at Renkendaguttu	120.97'93" N,	75.26'97" E	0.006	Works will be taken up after approval of DPR	FSTP	DPR submitted	DPR for providing FSSM system to the town amounting to Rs.10.30 crore for is submitted to the Govt. for approval vide Board Ltr. No. 2681 Dtd:-15-02-2020 & re-submitted vide Board letter No. 414 dated 11-06-2020 and letter No. 1514 dated 23-11-2020 for approval. Approval is awaited.	DPR for providing FSSM system to the town amounting to Rs.10.30 crore for is submitted to the Govt. for approval vide Board Ltr. No. 2681 Dtd:-15-02-2020 & re-submitted vide Board letter No. 414 dated 11-06-2020 and letter No. 1514 dated 23-11-2020 for approval. Approval is awaited.
8	Hassan	Hassan	KUWS&DB	165	Approved	Near Bittgondanahalli	12°58' 42" N	76°05'29" E	20	Prequalification tender for the work of Providing 3rd stage UGD system to Hassan city under Honorable National Green Tribunal is invited vide Chief Engineer, KUWS & DB, Mysuru tender notification No.1865 Dtd:-18.1.2021. After approval of tender woork will be started	SBR	DPR submitted	Prequalification tender for the work of Providing 3rd stage UGD system to Hassan city under Honorable National Green Tribunal is invited vide Chief Engineer, KUWS & DB, Mysuru tender notification No.1865 Dtd:-18.1.2021	Prequalification tender for the work of Providing 3rd stage UGD system to Hassan city under Honorable National Green Tribunal is invited vide Chief Engineer, KUWS & DB, Mysuru tender notification No.1865 Dtd:-18.1.2021.
9	Hassan	Hassan	KUWS&DB		Approved	Near KSRTC Bus Stand (Channapatna tank bed)	13°00' 00" N	76°06'25" E	10		SBR	DPR submitted		
10	Hassan	Hassan	KUWS&DB		Approved	Near Hunsinakere tank bed	13°00' 40" N	76°05'15" E	5		SBR	DPR submitted		
11	Hassan	Hassan	KUWS&DB		Approved	Near Jayanagara	13°01' 52" N	76°06'29" E	2		MBBR	DPR submitted		
12	Hassan	Hassan	KUWS&DB		Approved	Near Gavenahalli	13°00' 15" N	76°07'54" E	2		MBBR	DPR submitted		
13	Hassan	Belur	KUWS&DB	43	Yet to be approved	Holle bidi	13°09'58" N	75°52'24"E	5	Works will be taken up after approval of DPR.	SBR	DPR submitted	DPR submitted to the Govt. vide Board Ltr. No.546 Dated: 30.6.2020. As per the directions of GoK vide letter No: UDD/01UWL/2019 (Part - 1) dated 14.09.2020, for short term measures	DPR submitted to the Govt. vide Board Ltr. No.546 Dated: 30.6.2020. As per the directions of GoK vide letter No: UDD/01UWL/2019 (Part - 1) dated 14.09.2020, for short term measures estimate amounting to Rs. 1484.00 lakhs has been submitted to the Govt. vide Board letter No. 1514 dated: 23.11.2020. Approval is awaited.
14	Hassan	Belur	KUWS&DB		Yet to be approved	Neheru Nagar	13°10'12" N	75°52'19"E	1		MBBR	DPR submitted		
15	Hassan	Belur	KUWS&DB		Yet to be approved	Rayapura	13°09'44" N	75°52'42"E	1		MBBR	DPR submitted		

16	Belagavi	Ainapur	KUWS&DB	13.31	--	On Kudachi Road, west of Ainapur road near nala	16°39'56.02" N	74°52'45.34"E	1.2	--	Phytorid STP	DPR submitted	Project is to be approved	For Short term measure the DPR for providing UGD system for treating sewage entering Krishna river in Ainapur Town amounting to Rs.13.31 Cr is submitted to Government for Approval vide Board letter No.1332 dtd:21/11/2020.
17	Belagavi	Khanapur	KUWS&DB	8.06	--	Police station training centre	15°37'44" N	74°30'17"E	0.5	--	Moving Bed Bio Reactor Type.	DPR submitted	Project is to be approved	
18					--	Bailhongal road	15°43'17.36" N	74°42'27.36"E	0.5	--	Moving Bed Bio Reactor Type.	DPR submitted		
19					--	Near grave yard	15°43'9.88" N	74°41'28.62"E	1	--	Moving Bed Bio Reactor Type.	DPR submitted		
20	Belagavi	Kudachi	KUWS&DB	13.31	--	Adjecent to Gundawad Road	16°68'12.80" N	74°52'53.27"E	1.2	--	Phytorid STP	DPR submitted	Project is to be approved	For Short term measure the DPR for providing UGD system for treating sewage entering Krishna river in Kudachi Town amounting to Rs.13.31 Cr is submitted to Government for Approval vide Board letter No.1332 dtd:21/11/2020.
21	Belagavi	Ugarkhurda	KUWS&DB	13.51		South West of Basav Nagar & on Ainapur	16°38'40.67" N	74°49'29.71"E	1.2		Phytorid STP	DPR submitted	Project is to be approved	For Short term measure the DPR for providing UGD system for treating sewage entering Krishna river in Ugarkhurda Town amounting to Rs.13.51 Cr is submitted to Government for Approval vide Board letter No.1332 dtd:21/11/2020.
22	Belagavi	Examba	KUWS&DB	18		At North of Kumbar Nagar on Dharwad Road	16°33'13.85" N	74°36'32.86"E	1.2		Phytorid STP	DPR submitted	Project is to be approved	For Short term measure the DPR for providing UGD system for treating sewage entering Krishna river in Examba Town amounting to Rs.18.00 Cr is submitted to Government for Approval vide Board letter No.1332 dtd:21/11/2020.
23	Belagavi	Chinchili	KUWS&DB	10.68		Opposite to UpparOni & west of Railway Track	16°33'26.19" N	80°50'21.58"E	1.2		Phytorid STP	DPR submitted	Project is to be approved	For Short term measure the DPR for providing UGD system for treating sewage entering Krishna river in Chinchili Town amounting to Rs.10.68 Cr is submitted to Government for Approval vide Board letter No.1332 dtd:21/11/2020.
24	Uttara Kannada	Karwar	KUWS&DB	29.3		Alwewada	14.8384	74.1281	3	DPR submitted to Govt for Approval	SBR	DPR submitted		For Short term measure the DPR for providing UGD system for treating sewage entering river in Karwar city amounting to Rs.29.30 Cr is submitted to Government for Approval vide Board letter No.1332 dtd:21/11/2020.
25	Uttara Kannada	Karwar	KUWS&DB	under prepratio n		Yet to be finalised			7		MBBR	DPR preparation		Comprehensive UGD system to the city is under preparation
26	Uttara Kannada	Karwar	KUWS&DB			Yet to be finalised			2		MBBR	DPR preparation		
27	Kalaburagi	Jewargi	KUWS&DB	16.43	Yet to be approved	Sy No. 21 of Jewargi B Village	17°01'29.7"N	76°46'37.2"E	5.83	-	SBR STP	DPR submitted	DPR submitted to Government of Karnataka vide Managing Director, KUWSDB, Bangalore letter No. 922 dated 24-11-2020.	DPR submitted to Government of Karnataka vide Managing Director, KUWSDB, Bangalore letter No. 922 dated 24-11-2020.
28	Davanagere	Honnali	KUWS&DB	60.00	Yet to be approved	Malladevarakatte	14°12'43"N	75°37'37"E	1	Works will be taken up after approval of DPR	MBBR	DPR submitted	DPR submitted	The DPR for upgradation of UGD scheme to Honnali town as long term measures as per NGT standards amounting to Rs.60.00crores is submitted to Government for Approval vide Managing Director,KUWS&DB,Bengaluru ltr No.1991, dtd:22/01/2021.
29	Shivamogga	Shivamogga	KUWS&DB						0		Treatment technology upgradation	DPR submitted	DPR submitted	As a short term measure, the DPR for "I&D works for diversion of sewage flowing in storm water drains entering in to Tunga river at various locations in Shivamogga city amounting to Rs.15.15 Crores is submitted to Government for Approval vide Managing Director,KUWS&DB, Bengaluru vide ltr No.1991, dtd:22/01/2021.
30	Shivamogga	Bhadravathi	KUWS&DB						0		Treatment technology upgradation	DPR submitted	DPR submitted	As a short term measure, the DPR for "I&D works for diversion of sewage from Bhadra river under NGT scheme in Bhadravathi city amounting to Rs.10.65 Crores is submitted to Government for Approval vide Managing Director,KUWS&DB Bengaluru ltr No.1991, dtd:22/01/2021.
									90.196					

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	**Jan 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. **<u>Solid Waste Management:</u>**

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	**January-2021**	5.4	6.3	63×10^2	540×10^3
2	Downstream of Kanakapura	**January-2021**	6.1	6.0	94×10^3	540×10^3

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 January-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 : Asangi-Krishna River
Polluted river stretch : Tamadaddi village to Chikkapdasalagi Village – 33 Kms stretch of Krishna River, Bagalkot District
Priority : V
Status as on : January-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:** 0MLD

- **MLD of sewage being treated through Alternate technology:** 0
- **Gap in Treatment Capacity in MLD:** 9.5MLD
- **No. of Operational STPs:** 0
- **No. of Complying STPs:** 0
- **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	9.5MLD	0	Commissioning is under progress	Commissioning is under progress

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):** 04ETPs 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	23	6.09	Vermi Composting	6.09TPD	---
TMC, Terdal, Jamakhandi-Tq, Bagalkot-Dist	13	0	Vermi Composting	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	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	Dissolved Oxygen	8.7	7	6.5	6	6.9	7	6.7	6.3	6	6.6	4.7	5.9
2	BOD	1.86	0.54	2.4	2.76	2.17	1.38	1.02	1.57	0.66	1.26	0.9	0.96
3	Total Coliforms	1600	900	1600	900	1600	900	1600	900	1600	920	920	1600
4	Fecal Coliforms	900	350	500	500	900	500	900	500	900	540	540	920
5	Fecal Streptococci	300	280	220	350	220	280	500	350	350	280	350	540
6	Conductivity	1064	946	900	886	892	960	348	268	388	578	690	1380

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)	23	23	6.09	16.91	—	31-12-2020	Vermi Composting	Rabakavi-Banahatti generate 23TPD of solid waste out of which 6.09 TPD of solid waste is composted & sold as manure and remaining 16.91TPD is dumped in landfill site
TMC, Terdal, Jamakhandi-Tq, Bagalkot-Dist	Domestic Waste (Mixed type)	13	13	0	13	—	31-12-2020	Vermi Composting	TMC, Terdal generate 13TPD of solid waste and no treatment & dumped in landfill site
Total		**36**	**36**	**6.09**	**29.91**				

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 : Jan 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.

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- 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 : Jan-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 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	**Cauvery**
Polluted river stretch	**Ranganathittu to Sattegala Bridge**
Priority	**IV**
Status as on	**Jan 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	STP is under stabilization & not receiving full quantum of sewage

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	31-03-2021

				and soak pit by diverting the sullage joining to river. **No Work is in Progress.**	
GP Harale (Dasanapura & Harle Village)	-	-	-	Proposed to provide Common Septic tank and soak pit by diverting the sullage joining to river. **No Work is in Progress.**	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.	Laying UGD network is in progress & after completion of the same sewage discharge in to storm water drain is avoided. **Work is in progress.**	31-03-2021
Yedkuri Village (GP Satthegala)	-	-	-	Proposed to provide Common Septic tank and soak pit by diverting the sullage joining to river. **No Work is in Progress.**	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
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	Nil	DPR prepared by KUWS&DB, Mysuru for Rs. 58 Crores for laying UGD network for new extension and to upgrade the	March - 2021

			existing STP to 3.8 MLD with SBT Technology.	
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 October 2020.**	At DPR Stage	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 October 2020.**	At DPR Stage	March - 2021
CMC, Kollegala	CMC, Kollegala	No work is in progress	No work is in progress	-
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 and soak pit. **No physical progress in Field is made upto October 2020.**	At DPR Stage	March - 2021

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), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc	• Composting Existing – 1.5 Gap – 3.0 TPD • Sanitary landfill Existing–Nil Gap – 2.34 TPD	• Composting Existing – 1.5 Gap – 0.64 TPD • Sanitary landfill Existing–Nil Gap – 2.13 TPD	• Composting Existing – Nil Gap – 4.1 TPD • Sanitary landfill Existing–Nil Gap – 2.4 TPD	**Nil**	**Nil**	• Composting Existing – 2.0 Gap – 6.61TPD • Sanitary landfill Existing–Nil Gap – 5.0 TPD	**Nil**

Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DPR for Rs. 4.43 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. At present the solid waste is dumped in the site without any treatment.	DPR for Rs. 1.06 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. 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. 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-Nil	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 . **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 **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	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. <u>Bio-medical Waste Management:</u>

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. ZP Chamarajanagar has earmarked an amount of Rs. 3.0 Lakhs for providing Common Sewage	5 drains is identified & monitored. ZP Chamarajanagar has earmarked an amount of Rs. 1,15,000/- for providing Common Sewage	1 drain is identified & monitored. CMC Kollegala is providing UGD network for the entire town & after completion of the same the	1 drain is identified & monitored. ZP Chamarajanagar has earmarked an amount of Rs. 2.0 Lakhs for providing Common Sewage collection tank & Common septic tank and soak pit. **No**

					collection tank & Common septic tank and soak pit. **No physical progress in Field is made upto October 2020.**	collection tank & Common septic tank and soak pit. **No physical progress in Field is made upto October 2020.**	sewage & sullage entering the said drains is diverted to STP for further treatment & disposal. The work is under progress.	**physical progress in Field is made upto October 2020.**
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 December 2020 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 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 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 KaveriNeeravariNigama 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.

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	**Dec-20**	**6.8**	**1.6**	**220**	**1100**
2	D/s of left bank of river Cauvery in Mandya Water Supply Intake Point near SR Patna Taluk, Mandya District	**Dec-20**	**6.6**	**1.9**	**260**	**1200**
3	D/s of right bank of river Cauvery in Srirangapatna Water Supply Intake Point near Wellesly Bridge TMC SR Patna, Mandya District	**Dec-20**	**6.7**	**1.9**	**220**	**1100**
4	D/S of river Cauvery in Mysore-Bangalore Road Bridge of TMC Srirangapatna, Mandya District	**Dec-20**	**6.7**	**1.8**	**460**	**1400**
5	D/S of river Cauvery Bannur TMC Water supply intake point near Mysore- Bannur Road bridge, T.Narasipura Taluk, Mysore District	**Dec-20**	**6.9**	**1.4**	**140**	**940**
6	D/S of river Cauvery near Mullur Village, Kollegala Taluk, Chamarajanagar District	**Dec-20**	**6.8**	**1.6**	**340**	**1300**
7	D/S of Cauvery river near Dasanapura Village, Kollegala Taluk, Chamarajanagar District	**Dec-20**	**7.0**	**1.5**	**270**	**1300**
8	D/S of Cauvery river near Sathegala Bridge,Kollegala Taluk, Chamarajanagar District	**Dec-20**	**7.0**	**1.4**	**260**	**1200**

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	**Jan 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	27 wards, all are with door to door collection and source segregation is practiced in 10 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.

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	**Dec-20**	**6.9**	**1.4**	**220**	**1300**
2	D/S of Kabini from KIADB W/s Intake Point Kallahalli	**Dec -20**	**7.1**	**1.4**	**93**	**790**
3	D/s of Kabini near Bathing Ghat, Nanjangud	**Dec -20**	**6.6**	**1.8**	**330**	**1700**

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 : Jan-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 (west coast paper mill) to Bommanahalli Reservoir (10 Km)**

Priority : **IV**

Status as on : **Jan-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. <u>Details of Sewage Treatment Plant:</u>

- 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 one 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 connections	Completion Timeline
1	CMC-Dandeli (Halamaddi)	8.5	UGD-55 % And STP-30%	Under progress	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	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 sed.	17TPD	Landfill construction all most completion stage 75% 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. <u>Plastic Waste Management:</u>

- 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 scheduled on 4/02/2021 and in this meeting discussion will be 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

Sd/-
Environmental Officer,
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/100ml)
1	Halmadi Nalla, Dandeli	12-12-2018	7.2	54	-	-
		22-02 -19	6.9	14	-	-
	15.245756 N, 74.635991 E	01-01-2020	7.3	18	212	698
		13-02-20	6.6	14	-	-
		09-02-2020	6.8	13	120	336
		10-09-2020	6.6	12	114	278
		11-06-2020	7.4	14	120	221
		22/12/2020	**6.9**	**12**	**46**	**177**
2	Bailpar Bridge Cross, Old Dandeli	01-01-2020	7.7	22	-	-
	15.235565 N, 74.617418 E	13-02-20	7.3	13	-	-
		22-12-20	**6.7**	**9.2**	**58**	**221**
3	Opp Gate-3 of West Coast Paper Mills Ltd, Dandeli	21-02-19	6.7	9	-	-
		01-01-2020	6.9	28	120	503
		13-02-20	6.9	17	-	-
		10-09-2020	6.7	14	84	177
	15.246695 N, 74.630080 E	11-06-2020	7.4	15	84	148
		22/12/20	**7.2**	**13**	**34**	**141**
4	Mirachigalli Bridge, Old Dandeli	21-02-19	6.8	11	-	-
		01-01-2020	7.8	18	109	515
		13-01-20	6.5	14	-	-
	15.243819 N, 74.622409 E	10-09-2020	6.3	11	63	148
		11-06-2020	7.2	13	94	172
		22/12/2020	**6.9**	**14**	**39**	**177**
5	Behind DSFA, Patel Nagar bridge, Dandeli	21-02-19	7.1	16	-	-
		01-01-2020	7.7	19	94	366
	15.248093 N, 74.605713 E	13-02-20	7.7	12	-	-
		11-06-2020	7.5	11	14	32
		22/12/2020	**7.5**	**8**	**15**	**63**

Sd/-
Environmental Officer
KSPCB, RO, Karwar

Annexure-1

River Kali-Analysis report of water sample collected from Kali River under MINARS programme(Jan-2020 to December-2020)

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

Sd/-
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)	Nitrate (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**
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**
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**
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**

Sd/-
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
4979.4	6039.1	8464.4	6356.8	5612.5	5311.7	3590.3	469.8	435.6	826.2	1951.6	**2963.5**

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 : January- 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. Details of Sewage Treatment Plant:

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

Details of each existing STP in the State

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

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Nil	Nil	Nil	Nil	Nil

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	Town Municipal Council, Lingsugur-Tq, Raichur-Dist.	6.82	Submitted to Govt. by MD, KUWS&DB, Bangalore for administrative approval vide letter no 897/2019-20, dated 04/10/2019, Awaiting approval from Govt.	-
2	Town Municipal Council, Deodurga, RaichurDist	5	Submitted to Govt. by MD, KUWS&DB, Bangalore for administrative approval vide letter no 49/2020-21, dated 08/04/2020, Awaiting approval from Govt.	-

IV. Details of Industrial Pollution:

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

- Number and total capacity of ETPs (details of existing/ under construction / proposed) : **01 M/s Hutti Gold Mines Co. Has installed CSTP of capacity 2.5 MLD (Existing)**
- Compliance status of the ETPs: **Complied**
- Number and total capacity of CETPs (details of existing/ under construction / proposed) : **Nil**
- Status of compliance and operation of the CETPs : **Nil**

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

V. **Solid Waste Management:**

- Total number of Urban Local Bodies and their Population : **Enclosed as Annexure- II**
- Current Municipal Solid Waste Generation: **Enclosed as Annexure- II**
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), 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	**Jan 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. <u>Details of Sewage Treatment Plant:</u>

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**

<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 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-15 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.

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	**Dec-20**	5.9	3.0	920	2100
2	D/S of Lakshmantheertha at water barrage near Kattemalalavadi Village	**Dec -20**	5.5	3.5	780	2300

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 : Jan 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	3.70	DPR submitted to the Govt. For Approval vide Central Office Ltr No.214, Dtd:18.05.2020.	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. <u>Solid Waste Management:</u>

- 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: **Enclosed in the Annexures-1.**
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers: **Enclosed 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-II. TMC, Soundatti has provided settling tanks---enclosed as Annexure-III.**

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.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.

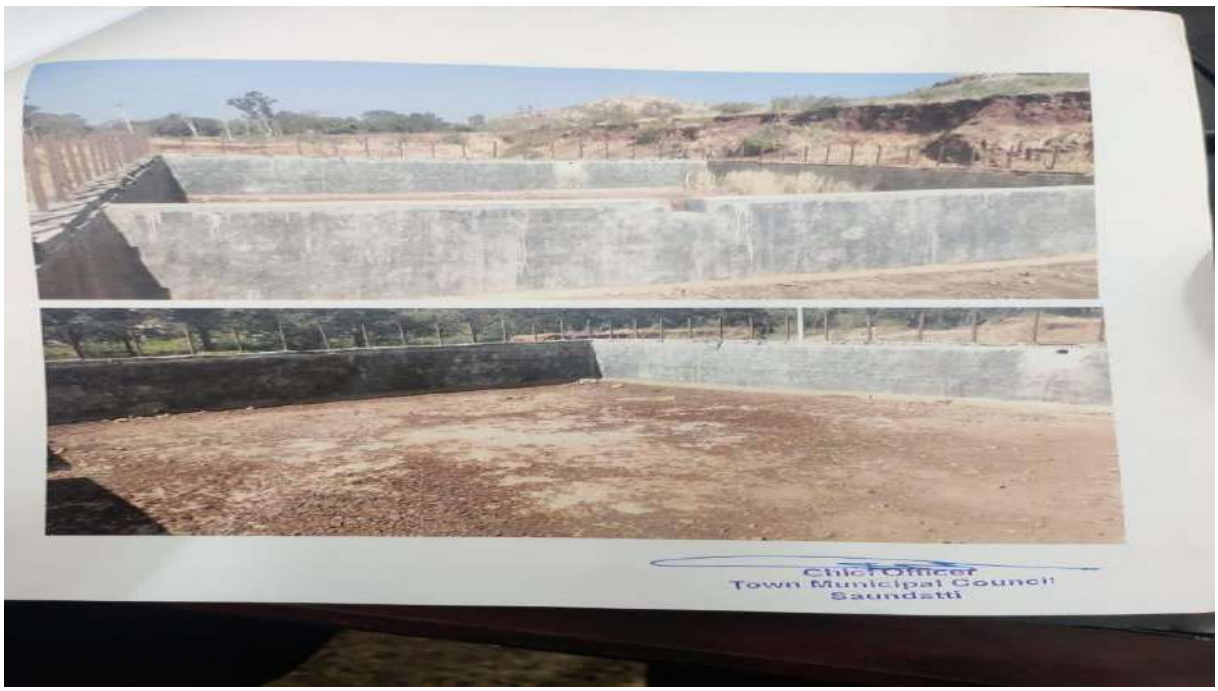
XXV. **Overall progress of the month:**

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

1. Cleaning activity is taken up by the Khanapur TP, photos are enclosed.
2. TMC, Soundatti has provided settling tanks in the nala joining the River Malaprabha, photos are enclosed.

Cleaning activity is taken up by the TP, Khanapur.

TMC, Soundatti has provided settling tanks in the nala joining River Malaprabha



	TMC Munavalli
I. Solid Waste Management:	
• Total number of Urban Local Bodies and their Population	**23152(As per 2011)**
• Current Municipal Solid Waste Generation	**10.00 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	**2.5 TPD-Composting**
• 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)	-
• Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	**Total 23 wards door to door collection and 23 wards segregation**
• 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.	**3.29 acre**
• No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	**0**
• 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**

TOWN MUNICIPAL COUNCIL MUNAVALLI 591117

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 Munavalli	10.00	2.5	Composting	-	3 months

Chief Officer
TMC, Munavalli

Town Municipal Council Ramdurga (Dist – Belagavi)

Status of ULB wise Management of Solid Waste

I. Solid Waste Management:	Ramdurga
• Total number of Urban Local Bodies and their Population	01-Ramdurga Population-40043 (as per 2011)
• Current Municipal Solid Waste Generation	16 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	*Capacity* *Utilisation* *Windrow*- 20TPD 13TPD *Vermin*-2 TPD 2 TPD
• 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)	-
• Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	Total No of wards-27 100% door to door collection -27wards Source segregation -12 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	Nill
• No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	4No

Chief Officer

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 Ramdurga	16 TPD	4 TPD	22 TPD	15 TPD	-

Chief Officer
TMC Ramdurga

	TP M K Hubli
I. Solid Waste Management:	
• Total number of Urban Local Bodies and their Population	**13387**
• Current Municipal Solid Waste Generation	**4**
• 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, decentralize-d pit composting), -biomethanation, MRF etc	**0**
• 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)	-
• Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	**14 WARDS HAVING DOOR TO DOOR COLLECTION SERVICE AND 7 WARDS PRACTICING SEGREGATION AT SOURCE**
• 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.	**0**

• No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	**0**
• No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	**0**

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
M K Hubli TP	4	0	0	0	0

	TP Khanapur
I. Solid Waste Management:	
• Total number of Urban Local Bodies and their Population	1, Population 19309
• Current Municipal Solid Waste Generation	6 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	Aerobic Composting
• Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	5 Months
• No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Now no C & D waste Processing plants are there. In future C & D waste Processing plants will be installed
• Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	100 % Door to door collection done in all 20 wards, with source segregation in 19 wards and remaing 1 wards partially source segregation is done
• Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Now Dry and wet waste are collecting separately and it is used in production of Aerobic composting.
• No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	2 acres

• No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	No dumping of waste near sides of the river.
• No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	3 drains are falling into river.

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
Khanapur TP	6 TPD	2.4 TPD	Aerobic composting	Fertilizer and it has been using in ULB gardens	6 Months.

Chief Officer
Town Panchayat Khanapur

Anx-II

An ISO 9001:2015 and BS OHSAS 18001:2007 Certified Laboratory

Regional Office : Belagavi-1
Karnataka State Pollution Control Board
#1, Main Road, Auto Nagar,
Kanbargi Industrial Area, Belagavi-590 015
Telefax : 0831-2459121

ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ : ಬೆಳಗಾವಿ-೧
೧ ನೇ ಮುಖ್ಯ ರಸ್ತೆ, ಆಟೋ ನಗರ,
ಕಣಬರ್ಗಿ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ,
ಬೆಳಗಾವಿ-೫೯೦೦೧೫
ದೂರವಾಣಿ:೦೮೩೧-೨೪೫೯೧೨೦

ಕರ್ನಾಟಕ ರಾಜ್ಯ
ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Towards a cleaner Karnataka

ANALYSIS REPORT : WATER

Regional Laboratory, Belgavi.

NO: PCB/BGV-1/LAB/AR/2020-21/ Date: 2/12/20

NAME OF THE STATION : Tributaries (Nalla) of Malaprabha River Polluted Stretch.

SAMPLE COLLECTED BY : EO, Belagavi.

DATE OF COLLECTION : 25-11-2020 (1042-1062). 26-11-2020 (1071-1077).

RECEIVED DATE : 26-11-2020.

PARTICULARS OF SAMPLE : 1042-Water sample collected from Shapurwala nala and Khanapur Khanapur sewage confluence point ultimately joins to Malaprabha River.1044-Water sample collected from Karambala nala sewage ultimately joins to Malaprabha River. 1046-Water sample collected from Karalaga road bridge ultimately joins confluence point to Malaprabha River.1048-Water sample collected from nala between Doddahosur and Yadoga road bridge ultimately joinsto Malaprabha River. 1050-Water sample collected from Devalatti halla ultimetely joins to Malaprabha River. 1052-Water sample collected fr Yeevinahalla near MK Hubli ultimately joins to Malaprabha River.1054-Water sample collected from Thatti halla between Itagi and Itagi cross Bailhongal Tq., ultimately joins to Malaprabha River. 1056-Malaprabha River water sample collected Holemma Devi Temple Hunasikatti D/s of Malaprabha SSK., MK Hubli.1058-Water sample collected at Holinagalapur nala bridge Bailhongal Tq., ultimately joins to Malaprabha River. 1060-Malaprabha River back water sample collected at Nayanagar bridge. 1062-Water sample collected near nala Neginahal village, Bailhongal Tq., ultimately joins to Malaprabha River.1071-Water sample collected near Shindogi cross nala Munoli to Nargund Road, ultimately joins to Malaprabha River. 1073-Water sample collected at Javali nala near Renuka Sugar Jackwell. 1075-Water sample collected at Sunnal nala Ramdurg road, ultimately joins to Malaprabha River. 1077-Water sample collected near Venkateshwar Temple bridge Ramdurg.

Sl No.	PARAMETERS	UNITS	1042	1044	1046	1048	1050	1052	1054	1056	1058	1060	1062	1071	1073	1075	1077
1	pH	-	7.41	7.47	7.33	7.49	8.02	8.22	7.92	8.13	8.19	8.64	8.69	7.81	8.17	8.34	8.3
2	BOD	mg/l	8.4	2.46	0.6	0.78	1.14	1.12	1.02	0.54	0.72	1.02	1.7	0.48	0.66	0.9	0.36
3	Dissolved Oxygen	mg/l	5.6	4.1	6	6.4	5.6	7.2	5.3	6.5	6.7	7.8	7.8	6.9	5.1	6.1	7
4	Dissolved Solids	mg/l	120	120	120	120	320	640	320	320	400	200	280	200	280	440	240
5	Conductivity	uMhos/cm	190	180	192	196	510	988	518	510	640	328	448	318	448	692	382
6	COD	mg/l	56	16	24	28	36	72	10	36	24	16	36	12	28	24	16
7	Total Coliforms	mpn/100 ml	>1600	1600	1600	1600	920	920	920	920	1600	1600	1600	920	1600	920	1600
8	Faecal Coliforms	mpn/100 ml	920	920	920	920	540	540	540	540	920	920	920	540	920	540	920
9	Oil and Grease	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	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

Regional Laboratory
Karnataka State Pollution Control Board
Belgaum.

AN ISO 9001:2015 and OHSAS 18001:2007 Certified Laboratory
al Office : Belagavi-1
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/fax : 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 : RIVER

Regional Laboratory, Belagavi

NO: PCB/BGV-1/LAB/AR/NWMP/2020-21/ 886 Date: 10/02/2021

NAME OF THE STATION : River water
SAMPLE COLLECTED BY : E. O. Belgaum.
DATE OF RECEIPT : 11-01-21 (1323). 13-01-2021 (1353). 29-01-2021 (1447).
PARTICULARS OF SAMPLE : 1323-Malaprabha River D/s of Khanapur. 1353-Water coll at Hubli-Dharwad Water abstraction point at Saundatti. 1447-Markandey Reservoir Rakkasakoppa, Belagavi.

Sl No.	Parameters / Sample No.s	Units	1323	1353	1447
GENERAL OBSERVATIONS					
I	Station Code		1187	1164	4098
II	Date of Collection		08/01/2021	12/01/2021	29/01/2021
III	Time of Collection		03.20 pm	01.00 pm	12/01/1900
IV	Weather		Clear	Clear	Clear
V	Deapth of the Stream		> 100 cm	> 100 cm	>100 cm
VI	Colour		Clear	Clear	Clear
VII	Intensity		Light	Light	Light
VIII	Odour		None	None	None
IX	Viss. Eff. Discharge in Proximity		Sewage Entry	None	None
X	Human activities		-	WSP	WSP
XI	Location Details		-	-	-
XII	Stream Flow in m/Sec		-	Catchment	Catchment
LAB ANALYSIS		Units			
1	Temperature	°C	28	28	22
2	Dissolved oxygen	mg/l	7.9	8.5	5.9
3	pH	-	7.54	8.64	7.52
4	Conductivity	uMhos/cm	190	318	198
5	BOD	mg/l	2.46	0.78	0.78
6	Nitrate as NO_3	mg/l	1.38	1.7	0.201
7	Ammonia As N	mg/l	Nil	Nil	Nil
8	Total Coli	mpn/100ml	1600	920	920
9	Faecal Coli	mpn/100ml	920	540	540
10	Faecal Streptococci	mpn/100ml	540	350	280
11	Turbidity	NTU	3	1.7	4.0
12	Pheno Alkalinity	mg/l	Nil	4	Nil
13	Total Alkalinity	mg/l	69	96	48
14	Hardness as Ca CO_3	mg/l	44	88	52
15	Calcium as Ca	mg/l	36	56	32
16	Magnesium as Mg	mg/l	8	32	20
17	Chlorid as Cl	mg/l	24	40	28
18	Sulphate as SO_4	mg/l	4	10	3
19	Sodium as Na	mg/l	9	19	9
20	Pottasium as K	mg/l	1.1	2	1.41
21	Total Dissolved Solids	mg/l	120	200	120
22	Fixed Dissolved Solids	mg/l	40	80	40
23	Total Suspended Solids	mg/l	4	5	5
24	Phosphate as PO4	mg/l	0.035	0.023	0.009
25	Fluoride as F	mg/l	0.132	0.139	0.045
26	COD	mg/l	16	24	12
27	TKN as N	mg/l	BDL	BDL	BDL
28	Boron as B	mg/l	Nil	Nil	Nil
	Class		**C**	**C**	**C**
	Water Quality Index (WQI)		**S**	**S**	**S**

This report refers only to the particular sample/job submitted for testing.
It should not be reproduced except in full.
WSP= Water Supply Point

Analysed by :

Laboratory Head

Scientific Officer
Regional Laboratory
Karnataka State Pollution Control Board
Belgaum

Ann-III

ಸವದತ್ತಿ ಯಲ್ಲಮ್ಮಾ ಪುರಸಭೆ ಕಾರ್ಯಾಲಯ ಸವದತ್ತಿ-591126

Website : www.saundattitown.mrc.gov.in E-Mail: itstaff_ulb_saundatti@yahoo.co.in

ಜನಹಿತ ಕರೆ ಕೇಂದ್ರ ನಂ 080-23108108, ಕಚೇರಿ ದೂರವಾಣಿ ನಂ.08330-222226

ಜಿಲ್ಲೆ: ಬೆಳಗಾವಿ ರಾಜ್ಯ: ಕರ್ನಾಟಕ

ನಂ/ಸಯಪು/ಆ.ವಿ/ವಹ/1/2020-21 ದಿ: 10/02/2021.

ಮಾನ್ಯ ಪರಿಸರ ಅಧಿಕಾರಿಗಳು
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
ಪ್ರಾದೇಶಿಕ ಕಚೇರಿ
1 ನೇ ಮುಖ್ಯರಸ್ತೆ ಅಟೋ ನಗರ
ಕಣಬರ್ಗಿ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ
ಬೆಳಗಾವಿ ಇವರಿಗೆ.

ಮಾನ್ಯರೆ,

ವಿಷಯ:- ಮಾನ್ಯ ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯಾಧೀಕರಣ ಇವರು ನೀಡಿದ ಆದೇಶವನ್ನು ಅನುಷ್ಠಾನಗೊಳಿಸುದರ ಮಾಹಿತಿ ಸಲ್ಲಿಸುವ ಕುರಿತು.

ಉಲ್ಲೇಖ:- ತಮ್ಮ ಪತ್ರ ನಂ:- ಮಾನಿಮಂ/ಪ್ರಾಕ(ಬೆಳಗಾವಿ-1)/ಸಭೆ/2021/2313 ದಿನಾಂಕ:-03-02-2021.

ಮೇಲ್ಕಾಣಿಸಿದ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಉಲ್ಲೇಖಿತ ತಮ್ಮ ಪತ್ರದನ್ವಯ ಮಾನ್ಯ ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯಾದೀಕರಣ O.A ನಂ 673/2018 ರಲ್ಲಿ ಕಲುಷಿತಗೊಂಡ ನದಿಗಳ ಪುನರಸ್ಥಾಪನೆ (Restozation) ಮಾಡುವ ಕುರಿತು ನೀಡಿದ ಆದೇಶವನ್ನು ಅನುಷ್ಠಾನಗೊಳಿಸುವ ಬಗ್ಗೆ ದಿನಾಂಕ:- 09-02-2021 ರ ಸಭೆಯಲ್ಲಿ ಸೂಚಿಸಿದ ಪ್ರಕಾರ ನಿಗದಿತ ನಮೂನೆಯಲ್ಲಿ ಮಾಹಿತಿಯನ್ನು ತಯಾರಿಸಿ ಈ ಪತ್ರದೊಂದಿಗೆ ಅಗತ್ಯ ದಾಖಲಾತಿ ಲಗತ್ತಿಸಿ ತಮಗೆ ಸಲ್ಲಿಸಿದೆ.

"ವಂದನೆಗಳೊಂದಿಗೆ"

ಲಗತ್ತ:-ಮಾಹಿತಿ

ತಮ್ಮ ವಿಶ್ವಾಸಿ

ಮುಖ್ಯಾಧಿಕಾರಿ
ಸವದತ್ತಿ ಯಲ್ಲಮ್ಮ ಪುರಸಭೆ
ಸವದತ್ತಿ.

10/2

50

NRCP Polluted Riversketches monthly progress

11/02/21.

National Mission for Clean Krishna & Malaprabha River

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 :
Priority :
Status as on :.

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately - **Urban Population- 45620. & Rural Population-**

II. Estimated Sewage Generation (MLD):

III. **Details of Sewage Treatment Plant:**

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

Sl.No.	Local Bodies	Treatment Capacity, MLD
1	Saundatti	0

- **Capacity Utilization of existing STPs:**

Sl.No.	Local Bodies	Utilizations Capacity, MLD
1	Saundatti	0

- **MLD of sewage being treated through Alternate technology:**
- **Gap in Treatment Capacity in MLD:**

Total Sewage Generated ,(MLD)	Sewage treated , (MLD)	Gap in Treatment capacity, (MLD)
–	–	–

- **No. of Operational STPs: 1 No's**

Name of the local body	Total Sewage generation in MLD	Preliminary Estimated Cost (cores)	Present status of work	Target date of Completion
Saundatti	–	–	–	–

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

I . Details of each existing STP in your jurisdiction

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Saundatti	–	–	–	–

Details of construction STPs under the jurisdiction

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 under the jurisdiction

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	Saundatti	2.50	Work Under Progress	Work Under Progress

II. Solid Waste Management:

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

Sl. No	Local Bodies	Population
1	Saundatti	45620

- **Current Municipal Solid Waste Generation-**

Sl. No	Local Bodies	Municipal Solid Waste Generation, TPD
1	Saundatti	14 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-

Sl. No	Local Bodies	Municipal Solid Waste processed, TPD	Compost Plants
1	Saundatti	4 TPD	4 TPD

- 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)-

- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source -

Name of the Local Bodies	Total No wards	No of wards Door to Door collection	No of wards practicing segregation
Saundatti	27	27	09

- 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
Saundatti	12	04	08	04	12

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

- Total Bio-medical generation:Harogoppa Vaishnavi Consultant Bio Medical treatment plan
- No. of Hospitals and Health Care Facilities: 28 Government and Private Hospitals

IV. Status of Treatment Facility/ CBMWTF:

V. **Hazardous Waste Management:**

- Total Hazardous Waste generation: 0.5

VI. **Plastic Waste Management:**

- Total Plastic Waste generation: 1.4
- Treatment/ Measures adopted for reduction or management of plastic waste: 0.4

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

VIII. **Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:**

Sl. No	Name of the point were collected the sample	Latitude Longitude	Population	Flow in KL

Note: Insitu treatment proposal is under planning stage.

IX. Details of Nodal Officer appointed by Chief Secretary in the State/UT-**Nil**

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

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

Sl. No	Year	Locations	DO (mg/L)	BOD(mg/L)	Fecal Coliform (MPN/100ml)	Total Coliform (MPN/100ml)

XII. **Ground water regulation:** Status of Ground Water Quality in the villages located on the polluted stretch of River – (Rural drinking water and sanitation department)

Sl.no.	Grama panchayath	Village/ habitation	Type of source (bw/ surface well / filter)	Ph value(013)	Turbidity(001)	Total dissolved solids(tds)(015)	Electrical conductivity (e.c.)	Nitrete(006)	Flouride(003)	Chloride(005)	Total alkalinity(018)	Total hardness(016)	Free residual chlorine (017)	Sulphate(007)	Total iron(004)
								As no3	As(f)	(as cl)	Ascaco 3	As caco3		(as so4)	(as fe)
					(ntu)	(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		45-n.r.	1.0-1.5	250-1000	200-600	200-600	0.2-1.0	200-400	1.0-n.r.

Ground water regulation: Status of Ground Water Quality monitoring (Analysis) in the villages located on the polluted stretch of River – (Rural drinking water and sanitation department)

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

III. **Rain Water Harvesting:** Project Director, DUDC & Project Director, ZP, Belagavi.

IV. **Demarcation of Floodplain and removal of illegal encroachments:**

V. **Maintaining minimum e-flow of river:** Executive Engineer, Major Irrigation Department,.

VI. **Plantation activities along the rivers**: DCF, Gokak & Belagavi, Karnataka Forest Department.

VII. **Development of biodiversity park**: DCF, Gokak & Belagavi, Karnataka Forest Department.

VIII. **Reuse of Treated Water**: --

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

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

Chief Officer
Town Municipal Council
Saundatti

Chief Officer
Town Municipal Council
Saundatti

National Mission for Clean Ganga

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

For the State of Karnataka (Netravathi & Kumaradhara)

Overall status of the State: KARNATAKA (Dakshina Kannada)		
Name of The River		**Netravathi & Kumaradhara**
Polluted River Stretch		**Netravathi & Kumaradhara**
Priority		**Priority - V**
Status as on		**January-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

Sl. No	Local Bodies	Population
1	Town Municipal council, Bantwala, Dakshina Kannada District.	40155
2	Uppinangady Grama Panchyath, Puttur Taluk, Dakshina Kannada District	70172
3	Subrahmanya Grama Panchyath, Puttur Taluk, Dakshina Kannada District	4443
4	Town Panchyath, Belthangadi Taluk, 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. • Subrahmanya Grama Panchayath has installed incinerators for disposal of dry waste.
• Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if	All local bodies have submitted action plan with time line to bridge gap between Installed Capacity and Current Utilization of

Gap > 20%)	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 in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Bantwala TMC	14	12.2	• Windrows System for wet wate • 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. Ramky Enviro Tech Pvt. Ltd., Mulki, D.K. and M/s. Ayush Enviro tech Pvt. Ltd., Padubidre Udupi.

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, Co-processors & Recyclers across the state for treatment & disposal
• **Avg Quantity of Hazardous Waste reaching the TSDFs and treated**	
• **Details of on-going or proposed TSDF**	

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 And Kumaradhara 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	Being monitored and regulated by

	State/UT	Department of Mines and Geology.
XXV	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	NIL
XXVI	**Please provide overall progress achieved in terms of all the above points compared to previous month** ➢ Effective implementation of Door to Door collection of solid waste is being done by the ULBs. ➢ The household plastic waste is collected and handed over to Authorized plastic waste recyclers. ➢ Joint inspection was conducted along with Karnataka Urban Water Supply and Drainage Board and TMC Bantwala for providing the treatment system wherever there is discharge of sewage to rivers through DEWAT system. ➢ TMC Bantwala has started processing their wet waste through windrows composting. Previously the wet waste was being handed over to MCC for further process. ➢ This office has issued notices to urban local bodies to identify and obtain the Authorization under C&D Waste management Rules, 2016.	

ENVIRONMENTAL OFFICER
KSPCB, MANGALURU

No. KSPCB/ RO (MNG)/MPR/ No 673 of 2018/2020-21/ Dated:

To,

The Member Secretary,

KSPCB, Bangalore

Kind Attention: Enviro Care Cell

Sir,

Sub: Submission of revised format of Monthly progress report (MPR) pertaining to OA No 673/2018

Ref: Board Office Mail dated 04.12.2020

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With reference to the above subject, please find herewith enclosed the filled up revised format for the month of January-2021 for MPR pertaining to OA No 673/2018 pertaining to jurisdictional of KSPCB Regional Office, Mangaluru .

This is for your kind information & further needful action.

Yours faithfully,

Sd/-

Encl: As above

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	**Jan 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 in to river through storm water drain. Connecting household to UGD by 300 houses. Up gradation of existing 3.5 MLD STP to 6.0 MLD. The DPR is yet to be approved.	Nil	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 in to river through storm water drain. Connecting household to UGD by 300 houses. 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. 4.10 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. At present the solid waste is dumped in the site without any treatment.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	• Door to door collection 23/23 Wards. • Segregation practice-19 Wards
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	-
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. 4.10 Crores with 12 % GST & work order for processing of entire MSW waste is issued on 23-03-2020.

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

XVII. Demarcation of Flood plain and removal of illegal encroachments:	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 near by 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
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: 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.	Location	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	**Dec-20**	5.7	3.0	330	1700
2	D/s of river shimsha near Halgur Road Bridge, Malavalli Tq, Mandya District	**Dec-20**	5.9	3.0	460	2100

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 : Jan 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 : Jan-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	Opearting	**Complied**
2	Davangere	20	16	Opearting	**Complied**
3	Davangere	20	16	Opearting	**Complied**
4	Davangere	5	3	Opearting	**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: **44.**
- 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: **44.**
- 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	44	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. -- **Nil**

- 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	Jan 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

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 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	31.12.2021

			2.7 MLD STP to 5.0 MLD.	
CMC, Hassan	a) Existing B STP,Sy no 86 &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	a)Up gradation of existing 10 MLD STP to 20 MLD by SBR Technology b)Proposed10MLD c) Proposed 5MLD d) Proposed 2MLD e) Proposed 2MLD	Revised DPR is approved by 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.	31.12.2021

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 31.03.2021
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 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.

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	**Dec-20**	5.2	2.4	33	240
2	Yagachi river, Belur (abt 200mtrs from STP)	**Dec-20**	4.6	3.0	390	2800

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.