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ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

No. KSPCB/CEO-2/NGTMC/673-2018/2022-23/ 234

Date:
30 APR 2022

To,
D.P.Mathuria,
Executive Director-Technical,
Central Monitoring Committee,
National Mission for Clean Ganga,
1st floor, Major Dhyan Chand National Stadium,
India Gate, New Delhi-110002.

Sub: Submission of Dossier for the month of March 2022 for the State of Karnataka in the matter of OA 673/2018 - reg.

*****

Adverting to the above subject, please find the Dossier for the month of March 2022 for the State of Karnataka as per the directions given by the Hon'ble NGT in the matter of OA 673/2018.

This is for information and further needful in the matter.

Yours faithfully,

Member Secretary,
KSPCB

O/c

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/ UT of KARNATAKA

March 2022

Overall status of the State:

I. Total Population: Urban Population **22941508**

II. Estimated Sewage Generation (MLD): **3356.5 MLD**

III. Details of Sewage Treatment Plant:

	Overall Karnataka (Annexure 1)		**17 PRS (Annexure 2)**
Estimated sewage generation	3356.5 MLD		884.25 MLD
Existing no. of STPs	168 STPs	2 FSSM	45 STPs,
Existing treatment Capacity (installed)	2842.01 MLD	0.012 MLD	Capacity = 822 MLD
	Total = 2842.03 MLD		
Capacity Utilization of existing STPs	1879.04MLD	0.012 MLD	503.34 MLD
	Total = 1879.05 MLD		
Percent capacity utilization	66.12%		61.23%
Sewage being treated through Alternate technology (MLD)	0.012 MLD through FSSM (0.006MLD in Devanahalli and 0.006 MLD in Nelamangala)		In-situ 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	514.47 MLD, Percentage gap = 15.3 %		62.25 MLD Percentage gap = 7%
Gap in capacity utilization (MLD)	962.98 MLD Percentage gap = 33.9%		318.7 MLD Percentage gap = 38.7%
Gap in overall sewage treatment (MLD)	1477.45 MLD Percentage gap = 44%		380.91 Percentage gap = 43%
No. of Operational STPs	152 STPs + 2 FSSM		41 STPs
No. of non-operational STPs	16 STPs (127.36 MLD) (**Annexure 3**)		4 STPs (19.47 MLD)
No. of Complying STPs	113 STPs complying 32 STP compliance data yet to be procured		34 STPs complying 2 STPs compliance data yet to be procured
No. of Non-complying STPs	6 STPs		5 STPs non-complying

- **Details of each existing STP in the State: Annexure 1**

  168 STPs of existing capacity 2842.03 MLD and capacity utilization of 1879.05 MLD

- **Details of each existing STP in the 17 PRS ULB: Annexure 2**

  45 STPs of existing capacity 822 MLD and capacity utilization of 503.34 MLD

- **Details of non-operational STP in the State: Annexure 3**

  16 STPs of operational capacity 127.36 MLD

- **Details of under construction STPs in the State: Annexure 4**

  67 STPs of capacity 429.226 MLD

- **Details of under construction STPs in the 17 PRS ULB: Annexure 5**

  14 STPs of capacity 51.66 MLD

- **Details of proposed STPs in the State: Annexure 6**

  90 STPs of capacity 263.62 MLD

- **Details of proposed STPs in the 17 PRS ULB: Annexure 7**

  41 STPs of capacity 81.29 MLD

IV. Details of Industrial Pollution:

- No. of industries in the State:
- No. of water polluting industries in the State: 3603 (effluent generating only)
- Quantity of effluent generated from the industries in MLD: 436.63 MLD
- Quantity of Hazardous Sludge generated from the Industries in TPD:
- Number of industrial units having ETPs: 3404
- Number of industrial units connected to CETP: 696
- Number and total capacity of ETPs (details of existing/ under construction / proposed): 3404 industrial ETPs; existing capacity = 739.6 MLD
- Compliance status of the ETPs:
  Number of functional ETPs = 3379
  Complying ETPs = 3379
  Non-complying ETPs = 224
    - Industries with no ETPs = 158
    - Industries with non-functional ETPs = 25
    - Industries closed = 41

  Action taken against industries with no ETP and non-functional ETPs:

Action taken	**Against industries with No ETP (161)**	**Against industries with Non-functional ETPs (25)**	**Overall action**
Action under process	23	11	34
Closure directions	45	1	46
Legal case	0	1	1
Show cause notice	73	11	84
Technical directions issued	17	1	18

- **Number and total capacity of CETPs (details of existing/ under construction / proposed):** 11 CETPs; total capacity = 6395 KLD

- **Status of compliance and operation of the CETPs**

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	Complying	
5	CETP Malur	60	45	41	Complying	
6	Govind Solvents	75	45	42	Complying	
7	Viwa eco-club	20	20	40	Complying	
8	Lidkar Tanners	1000	Closed	Closed	Closed	Closed Voluntarily
9	CETP Mangalore-1MSEZ	3500	2000	5	Non-Complying	Show cause notice issued on 21.12.2021 and 31.03.2022.
10	CETP Mangalore-2, Kotepura	600	600	13	Complying	
11	CETP Project Mother Earth Environ Tech Pvt Ltd	500	500	34	Complying	
		6395	**3615**	**696**		

Details of under construction CETPs:

District	Address	Status	Designed capacity	Proposed date of completion
Bidar	Kolhar industrial area	Under construction	1.2 MLD	31/03/2024

Details of proposed CETPs:

District	Address	Status	Designed capacity	Proposed date of completion
Peenya	Peenya industrial area	EOI issued	0.125 MLD	31/03/2024

Bellary	KIADB, 4th stage apparel park	Proposed	Yet to be estimated	31/03/2024
Raichur	KIADB, Growth center	Proposed	Yet to be estimated	31/03/2024

V. **Solid Waste Management:**

Total number of Urban Local Bodies and their Population: ULBs = 315; Population = 14349953

Current Municipal Solid Waste Generation: 11091 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

Numbers of ULBs	315
Quantity of MSW generated (TPD)	11091
Quantity of MSW collected (TPD)	10198
Quantity of MSW segregated & transported (TPD)	8646
Quantity of MSW processed (TPD)	6817
Quantity of MSW disposed in secured land fill site (TPD)	1250
Gap in Solid Waste Management UTs (TPD)	3018
Wet waste generated	6921
Wet waste: composting, vermicomposting and bio-methanation (TPD)	5902
Dry waste generated (TPD)	4170
Dry waste : MRF, recycling and RDF (TPD)	1039

Details of waste processing in Karnataka

	Total Capacity (TPD)	**Number**	**No. of ULBs covered**
Material Recovery facilities	310	217	204
Recycling	514	217	204
Composting	5834	216	198
Biomethanation	68	15	11
RDF	215	217	204
Dry waste sent to cement kilns	1779 (tones during April 20-March 21))		

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

Instructions have been given to ULBs with existing processing facilities to ensure that the existing 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. The ULBs have been instructed to propose the same in Swachh Bharat Mission (U) DPRs and procure the same to ensure 100% utilization of existing facility. Accordingly 219 ULBs DPRs have been approved with the Designed capacity of 9159 TPD.

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

Existing: M/s Rock Crystals has obtained Consent for Operation from KSPCB to process 1000 TPD C&D waste from Bengaluru city. The plant is operational since 2015 with an operating capacity of 100-400 TPD.

Proposed:

a. M/s. Rubbel Revival Pvt Ltd., has obtained Consent for Establishment form KSPCB to establish a 750 MTPD plant on 28.05.2020 to process C&D waste in Bengaluru.
b. City Corporation, Mangalore have obtained CFE for establishing 20 TPD C&D waste processing unit at Pachanady on 30/12/2020.
c. Mysuru City Corporation has prepared DPR for 150 TPD capacity of C&D waste processing facility in PPP model.
d. Additionally, sites for C& D waste processing facilities have been identified at Shivalli (50TPD) Hubli – Dharwad, Belagavi, Mangalore and Kalburgi.

Quantity of C&D waste generated (TPD) excluding BBMP	479.15 TPD
ULBs that have identified land for C&D waste storage and processing	98
ULBs that have issued notification for collection, transportation and processing charges for C&D waste	110
Total amount collected by defaulters (lakh rupees)	3216

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

Total no. of wards	wards having d-t-d collection	Wards practicing source segregation
6902	6694	5543

- **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 for implement the contents of DPR.

The State has identified requirement of around 818 DWCCS/MRFs, out of which there are 217 DWCCs are existing. As per the State strategy, dry waste will be sent to cement kilns for co-processing. 600 TPD-11.5 MW waste to energy plant is being built by BBMP and KPCL and 200 TPD NTPCL at Dharwad City Corporation. 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:

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

There are 198 Dumpsites and 91 and Sanitary Landfills sites in the State. 219 ULBs are developing sanitary landfill sites under Swachh Bharat Mission scheme.

- **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.

- **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

VI. Bio-medical Waste Management:

Total Bio-medical generation: 82604 Kg/d
No. of Hospitals and Health Care Facilities: **41709**
Status of Treatment Facility/ CBMWTF: **25 operating, 1 closed, 2 under construction**

VII. Hazardous Waste Management:

Total Hazardous Waste generation: **196784.01 MT/annum**
No. of Industries generating Hazardous waste: **3562**
Treatment Capacity of all TSDFs: **951000 MT**
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: **60899.5 MT** (for the period 01/04/2019-31/03/2020)
Details of on-going or proposed TSDF:
One TSDF unit is proposed in Harohalli Industrial Area of Ramanagara District of capacity of 3 lakh tons lifetime capacity. EC has been issued. CFE from the KSPCB is yet to be issued.

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 368080 T/A
- Treatment/ Measures adopted for reduction or management of plastic waste:
    1. Registered recycling units: 117
    2. Authorized recycling capacity: 177091 mT/annum
    3. Ban on the use of single use plastic in Karnataka since 2017 as per Plastic Ban Notification issued on 11-03-2016 Government of Karnataka.

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

The government of Karnataka has approved FSTP at 45 Urban Local Bodies of capacity 165 KLD with an estimated cost of Rs. 89.19 crores. Fecal Sludge and Septage Management facility of 6 KLD capacity at Devanahalli and 6 KLD at Nelamangala are operational and FSSM facility of 15 KLD capacity at Gowribidanur of Chikkaballapur Dist is under construction stage. Further, a proposal has been sent to the Government of Karnataka to provide FSSM facility to 129 ULBs having non-UGD and with less than 50,000 population. Details are enclosed as Annexure 8.

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

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, to Sattegala Road Bridge, Kollegala	50	18
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	55	13
15	PV	Kumaradhara	Kumaradhara		
16	PV	Tunga	Shivamogga To Kudli	10	6
17	PV	Yagachi	Belur to Halavagilu, Hassan	60	2

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

Principal Secretary (Ecology and Environment, Department of Forest Ecology and Environment).

XII. Details of meetings carried under the Chairmanship Chief of Secretary:

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.

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.

Under the chairmanship of Sri Rakesh Singh, Additional Chief Secretary of Government of Karnataka, a review meeting was held with the stakeholder departments to discuss the progress and current status on **09/03/2021** to review the progress in compliance with the issues raised by CMC, Jal Shakti during 9th meeting. The meeting was attended by higher officers from KSPCB, DMA, KUIDFC, KUWS&DB, BWSSB and BBMP. The Chairperson reviewed the data and progress relevant to OA. 673/2018, furnished by the stakeholder departments.

Under the chairmanship of Sri Rakesh Singh, Additional Chief Secretary of Government of Karnataka, a review meeting was held with the stakeholder departments to discuss the progress and current status on **02/07/2021** to review the progress in compliance with the issues raised by CMC, Jal Shakti during 10th meeting. The meeting was attended by higher officers from KSPCB, DMA, KUIDFC, KUWS&DB, BWSSB. The Chairperson reviewed the data and progress relevant to OA. 673/2018, furnished by the stakeholder departments.

Review meeting under the chairmanship of Sri. Brijesh Kumar, Chairman (KSPCB), Principal Secretary (Ecology and Environment, Department of Forest, Ecology and Environment) to review the status and progress was held on **04/09/2021**. The meeting was attended by higher officers from KSPCB, DMA, KUIDFC, KUWS&DB, BWSSB, ACIWRM and KBB. The Chairperson reviewed the data and progress relevant to OA. 673/2018, furnished by the stakeholder departments

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

Water quality data is attached as **Annexure 9**

XIV. 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).

XV. 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.

XVI. Rain Water Harvesting:

XVII. Demarcation of Floodplain and removal of illegal encroachments:

XVIII. 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.

XIX. Plantation activities along the rivers:

Karnataka Forest Department is implementing the Karnataka River Conservation program, since 2018-19 in 9 forest divisions. Under this program, seedlings are being planted in the river banks of Ghataprabha to an extent of 660 ha or km and Cauvery to an extent of 620 ha or km in 2018-19. Year wise plantation raised throughout Karnataka is as in the table below.

Financial year	Extent of plantation raised
2018-19	44494 Ha
2019-20	41620 Ha
2020-2021	74399 Ha
2021-2022 (till July)	31085 Ha

XX. Development of biodiversity park:

One biodiversity park proposed in Hassan ULB

XXI. Reuse of Treated Water:

785 MLD of treated water is reused in Bengaluru as follows:

Sewage treatment and treated sewage reuse in Bengalore urban					
	Location of STP	**STP Capacity (MLD)**	**Capacity Utilized (MLD)**	**Treated sewage reused (MLD)**	**Used for**
1	Rajacanal	40	28.66	28.66	35 MLD to recharge 65 tanks of Chikkaballapura 5 MLD to Devanahalli KIADB Industrial area
2	Rajacanal	40	41.42	41.42	To recharge 65 tanks of Chikkaballapura
3	Jakkur	15	15.13	15.13	For 40 recharging 65 lakes of Chikkaballapura
4	K & C Valley	248	214.17	214.17	Karnataka Golf Association
5	Horamavu	20	21.43	21.43	To recharge 65 tanks of Chikkaballapura
6	Sarakki	5	4.06	4.06	Proposal to recharge existing Sarakki Lake
7	Bellandur Amanikere	90	91.86	91.86	For recharging 126 lakes of Kolar District
	V Valley		5.4	0.92	M/s. Arvind Mills, M/s. Wonder Blues,

					M/s. Nandi Economic Corridor Enterprises
8	Lalbagh	1.5	1.28	1.28	Horticulture Department
9	Cubbon Park	4	0.793	0.793	Horticulture Department, Rajbhavan, Hon'ble High Court, Bangalore Golf Course, Planatarium, War Memorial, CID, Vidhana Soudha, KPSC, KPWD, Civil Court
10	Hebbal	100	66.37	66.37	To recharge 65 tanks of Chikkaballapura
11	Yelhanka	10	8.6	8.6	M/s. Kempegowda International Airport Limited, M/s. Indian Tobacco Company, M/s. Indian Air Force, M/s. Bharath electronics lomited, M/s. Rail Wheel Factory, Prestige, Emabassy and Excess effluent to Allasandra Lake
12	Yelemelle chetty	15	14.28	14.28	Yelemallappa Chetti kere
13	Chikkabanavar	5	4.38	4.38	To SWD
14	Mailsandra	75	72.24	0.24	Bhagyalakshmi farms and M/s. Tangline Developers (Global Village). Balance to SWD
15	V Valley	180	92.6		10 MLD to tertiary plant, balance to SWD
16	Kempambudhi	1	0.96	0.96	Kempambudhi Lake
17	Mallathahalli	5	4.32	4.32	2.5 MLD to Malathalli Lake and 2.5 MLD to Ullal Lake
18	Kadugodi	6	4.44	4.44	Presently letting into SWD. Proposal to HPCL 2 MLD increasing to 6 MLD with completion of pipeline work for which work is under process
19	Halasuru	2	1.96	1.96	Halasuru Lake
20	Nagasandra	20	9.24	9.24	To SWD
21	Nagasandra	20	13.15	13.15	To SWD
22	K R Puram	20	18.19	18.19	Vengaiana Kere
23	Doddabele	40	38.59	0.483	Presently to SWD. Disposal sewer line linking work in progress
24	Kadabeesanahalli	50	42.43	0.3	Presently letting into SWD - Proposed for future utilisation in KIADB Industrial Area at Narasapur with the completion of TTP at Narasapura
25	K & C Valley	60	59.52	59.52	For recharging 126 lakes of Kolar District
26	Kengeri	60	15.8	1	Disposal sewer line linking work

					in progress
27	Doddabele	20	17.22	0.52	Presently to SWD
28	Hulimavu	10	7.39	7.39	Hulimavu Kere
29	Agaram	35	26.67	26.67	Agaram Kere
30	K&C Valley	150	104.94	104.94	Kolar District
31	KR Puram (New)	20	14	14	Vengaiana Kere
32	Chikka Beguru	5	3.65	3.65	Chikkabegur kere
33	Hennur	1	0.5	0.5	To SWD
	Total	**1373.5**	**1065.6**	**784.83**	

XXII. 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.

The project is funded by the Asian Development Bank. Detailed project report for setting up the monitoring stations at the following locations is in the process of seeking approval form the funding agency. Once the approval from ADB is received, tender will be issued.

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’’

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

The Coastal Pollution Prevention Action Plan for Karnataka has been submitted to the Central Pollution Control Board for approval.

XXIV. 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.

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

Incremental progress made by the State/UT in each activity:

November 2021:

- STP of 5 MLD capacity is recently commissioned at Byadigi and is operational at 1.5 MLD capacity, thereby increasing the existing STP capacity to 2679.5 MLD
- Increase in capacity utilization from 1649.6 MLD to 1769.12 MLD
- Tenders for the STPs at Jewargi, Belthangadi and Bannur have been finalized and the work orders have been issued.
- 3 STPs that were non-operational at Srinivasapura have been rectified and are currently operational.

December 2021:

- STP of 150 MLD capacity at V Valley, Bengaluru Urban was commissioned and is operational at 70 MLD capacity. STP lies in the PRS Arkavathi catchment, thus contributing for substantial reduction of sewage load to the PRS.
- 5.5 MLD capacity STP at Raichur is commissioned and is currently operational on trial run basis at 0.8 MLD capacity.
- 13.88 MLD capacity STP at Raichur is commissioned and is currently operational on trial run basis at 6.65 MLD capacity.
- 3.3 MLD capacity STP at Ramdurga has been commissioned but is currently non-operational due to incomplete UGD.
- Tenders for the STPs at Hunasur, Hassan, Belur, Honnavara and Haliyal have been finalized and the work orders have been issued.

Till March 2022:

- STP of 7.5 MLD capacity at Ranebannur which was non-operational has been rectified and is currently operational.
- STP of 7.92 MLD capacity at Harapanahalli which was non-operational has been rectified and is currently operational.
- STP of 4.6 MLD capacity at Kudligi is commissioned and is currently operational at 1.2 MLD capacity.
- STP of 2.75 MLD capacity at Bhatkal is commissioned and is currently operational at 2.75 MLD capacity.
- STP of 3 MLD capacity at Karkala is commissioned and is currently operational at 1 MLD capacity.
- STP of 4.4 MLD capacity at Ullal is commissioned and is currently operational at 4.4 MLD capacity.
- CETP of 0.5 MLD capacity at Yadagir is commissioned and is currently operational at 0.5 MLD capacity.

Annexure-1

List of existing STPs in Karnataka

Sl. no.	District	ULB	Is ULB under 17 Polluted River Stretch?	Implementing agency	Address of the STP	Status	STP Installed Capacity (MLD)	Technology	STP capacity utilization (MLD)	Status of Complying
1	Bangalore	Bangalore Urban	Yes	BWSSB	V Valley	Operational	150	ASP	74.00	Complying
2	Bengaluru	Bangalore Urban	No	BWSSB	Agaram	Operational	35	SBR	20.50	Complying
3	Bengaluru	Bangalore Urban	No	BWSSB	Bellandur Amanikere	Operational	90	ASP	94.17	Complying
4	Bengaluru	Bangalore Urban	Yes	BWSSB	Chikkabanavara	Operational	5	SBR	4.94	Complying
5	Bengaluru	Bangalore Urban	No	BWSSB	Chikkabegur	Operational	5	SBR	4.28	Complying
6	Bengaluru	Bangalore Urban	No	BWSSB	Cubbon Park	Operational	4	MBBR	3.07	Complying
7	Bengaluru	Bangalore Urban	Yes	BWSSB	Doddabele	Operational	40	SBR	40.43	Complying
8	Bengaluru	Bangalore Urban	Yes	BWSSB	Doddabele	Operational	20	SBR	16.25	Complying
9	Bengaluru	Bangalore Urban	No	BWSSB	Halasuru	Operational	2	SBR	1.83	Complying
10	Bengaluru	Bangalore Urban	No	BWSSB	Hebbal	Operational	100	SBR	84.40	Complying
11	Bengaluru	Bangalore Urban	No	BWSSB	Hebbal	Non-operational	60	IFAS	0.000	non functional
12	Bengaluru	Bangalore Urban	No	BWSSB	Horamavu	Operational	20	SBR	19.78	Complying
13	Bengaluru	Bangalore Urban	No	BWSSB	Hulimavu	Operational	10	SBR	6.80	Complying
14	Bengaluru	Bangalore Urban	No	BWSSB	Jakkur	Operational	15	UASB+EA	15.06	Complying
15	Bengaluru	Bangalore Urban	No	BWSSB	K & C Valley	Operational	218	ASP	166.50	Complying
16	Bengaluru	Bangalore Urban	No	BWSSB	K & C Valley	Operational	30	ASP	32.36	Complying
17	Bengaluru	Bangalore Urban	No	BWSSB	K & C Valley	Operational	60	ASP	62.19	Complying
18	Bengaluru	Bangalore Urban	No	BWSSB	K & C Valley	Operational	150	ASP	127.64	Complying
19	Bengaluru	Bangalore Urban	No	BWSSB	K R Puram	Operational	20	UASB+EA	14.45	Complying
20	Bengaluru	Bangalore Urban	No	BWSSB	K.R.Puram	Operational	20	SBR	13.74	Complying
21	Bengaluru	Bangalore Urban	No	BWSSB	Kadabeesanahalli	Operational	50	EA	29.62	Complying
22	Bengaluru	Bangalore Urban	No	BWSSB	Kadugodi	Operational	6	SBR	5.44	Complying
23	Bengaluru	Bangalore Urban	Yes	BWSSB	Kempambudhi	Operational	1	EA	0.69	Complying
24	Bengaluru	Bangalore Urban	Yes	BWSSB	Kengeri	Operational	60	ASP	31.24	Complying
25	Bengaluru	Bangalore Urban	No	BWSSB	Lalbagh	Operational	1.5	Activated aeration + plate settlers + UV disinfection	1.34	Complying
26	Bengaluru	Bangalore Urban	Yes	BWSSB	Mailsandra	Operational	75	EA	66.55	Complying
27	Bengaluru	Bangalore Urban	Yes	BWSSB	Mallathahalli	Operational	5	SBR	4.28	Complying
28	Bengaluru	Bangalore Urban	Yes	BWSSB	Nagasandra	Operational	20	SBR	7.79	Complying
29	Bengaluru	Bangalore Urban	Yes	BWSSB	Nagasandra	Operational	20	Extended Aeration	7.79	Complying
30	Bengaluru	Bangalore Urban	No	BWSSB	Rajacanal	Operational	40	SBR	25.52	Complying
31	Bengaluru	Bangalore Urban	No	BWSSB	Rajacanal	Operational	40	Extended Aeration	38.10	Complying
32	Bengaluru	Bangalore Urban	No	BWSSB	Sarakki	Operational	5	SBR	5.03	Complying
33	Bengaluru	Bangalore Urban	Yes	BWSSB	V Valley	Operational	180	Trickling process	100.90	Complying
34	Bengaluru	Bangalore Urban	No	BWSSB	Yelemelle chellappa chetty	Operational	15	SBR	14.55	Complying
35	Bengaluru	Bangalore Urban	No	BWSSB	Yelhanka	Operational	10	ASP	7.39	Complying
36	Bengaluru	Bangalore Urban		BWSSB	Hennur	Operational	1	SBT	0.38	Complying
37	Dharwad	Hubballi-Dharwad	No	KUIDFC	Madihal in Dharwad	Operational	20	SBR	16.000	Complying
38	Dharwad	Hubballi-Dharwad	No	KUIDFC	Gabbur in Hubballi	Operational	40	SBR	20.000	Complying
39	Bijapur	Bijapur	No	KUIDFC	Indi Road, Vijayapur	Operational	31	FAL	25.000	
40	Bagalkote	Jamkhandi	No	KUIDFC	Near Malgur road	Operational	7.6	FAL	2.000	
41	Raichur	Raichur	No	KUIDFC	Eklaspur	Operational	20	FAL	12.000	
42	Raichur	Raichur	No	KUIDFC	Hosur	Operational	8	FAL	5.000	
43	Chamarajnagar	Chamarajanagar	No	KUIDFC	Near Boodithittu village	Operational	9	FAL	5.000	Complying
44	Tumkur	Tiptur	No	KUIDFC	HuchagondanahalliSy No 53	Operational	6	SBR	3.000	Complying
45	Bengaluru rural	Doddaballapur	No	KUIDFC	Majarahosahalli Sy No.35	Operational	12	WSP	7.000	
46	Chikkaballapur	Chikkaballapur	No	KUIDFC	Gopala Krishna Ammnikere Sy No.260	Operational	10	WSP	7.000	
47	Uttarakannada	Bhatkal	No	KUIDFC	Venktapura bhatkal	Operational	1.5	WSP	1.500	Complying
48	Dakshina Kannada	Mangaluru(Pachanady)	No	KUIDFC	Pachanady	Operational	8.75	ASP	4.500	Complying
49	Dakshina Kannada	Mangaluru(Kavoor)	No	KUIDFC	Kavoor	Operational	43.5	UASB	22.000	Complying
50	Dakshina Kannada	Mangaluru(Surathkal)	No	KUIDFC	Surathkal	Operational	16.5	ASP	1.500	Complying
51	Dakshina Kannada	Mangaluru(Bajal)	No	KUIDFC	Bajal	Operational	20	ASP	8.000	Complying
52	Kalburgi	Kalaburgi	No	KUIDFC	Near Nandikur Village	Operational	40	SBR	40.000	Complying

53	Uttarakannada	Karwar	Yes	KUIDFC	Gandhi nagar Near KEB Karwar	Operational	1.5	Aerator Lagoon	1.500	Complying
54	Udupi	Udupi	No	KUIDFC	Nittur	Operational	12.5	FAL	5.000	Complying
55	Bidar	Bidar	No	KUIDFC	Gornalli B Village Bidar - 01 No. (KUIDFC)	Operational	17.26	Aerated Lagoon Type	5.000	Non-complying
56	Belagavi	Gokak	No	KUIDFC	Maldinni Village	Operational	8.7	FAL	1.500	
57	Davangere	Davangere	Yes	KUIDFC	Shivanagar, Davanagere	Operational	20	SBR	20.000	Complying
58	Davangere	Davangere	Yes	KUIDFC	Avaragere	Operational	5	SBR	2.500	Complying
59	Davangere	Davangere	Yes	KUIDFC	Shivanagar	Operational	20	SBR	15.000	Complying
60	Davangere	Harihara	Yes	KUIDFC	Harlapura	Operational	18	FAL	4.000	Complying
61	Haveri	Ranebannur	Yes	KUIDFC	Hunatti	Operational	7.5	FAL	7.500	Complying
62	Haveri	Ranebannur	Yes	KUIDFC	Hunatti	Operational	7.5	FAL	2.500	Complying
63	Bagalkote	Rabkavi Banahatti	Yes	KUIDFC	Near Gattagi, Basaveshwara road	Non-operational	9.2	SBR	0.000	na
64	Bidar	Humnabad	No	KUIDFC	Dummanasoor village, Chinnakera Road, Near Forestry Nursery	Non-operational	6	WSP	0.000	na
65	Haveri	Haveri	No	KUIDFC	Siddevapure	Non-operational	4.71	FAL	0.000	na
66	Bagalkote	Ilkal	No	KUIDFC	Tondyal village	Operational	8	FAL	2.000	
67	Vijayanagara	Hospete	No	KUIDFC	Belagadu Village	Operational	27	ASP	5.000	Complying
68	Haveri	Byadigi	No	KUIDFC	Theradahalli	Operational	5	SBR	1.500	Complying
69	Hassan	Hassan	Yes	KUWS&DB	Bittagowdanahalli	Operational	10	WSP	9.300	Complying
70	Hassan	Belur	Yes	KUWS&DB	Hole Beedhi	Operational	2.4	WSP	2.100	Complying
71	Hassan	Belur	Yes	KUWS&DB	Behind Ayyappa Swamy Temple	Operational	0.3	WSP	0.300	Complying
72	Mandya	Srirangapatna	yes	KUWS&DB	Chandagalu road Ganjam, Srirangapatna	Operational	1.39	WSP	1.390	Complying
73	Mandya	Srirangapatna	yes	KUWS&DB	Chandagalu road Ganjam, Srirangapatna	Operational	2.21	WSP	1.630	Complying
74	Mandya	Maddur	yes	KUWS&DB	Hole AnjananeyaTemple	Operational	3.5	WSP	2.400	Complying
75	Mysore	Nanjangudu	yes	KUWS&DB	Goluru	Operational	7	WSP	3.300	Complying
76	Mysore	Bannuru	yes	KUWS&DB	Chamanahalli	Operational	2.25	WSP	1.000	Non-complying
77	Chamarajnagar	Kollegala	Yes	KUWS&DB	Kollegala- Mulluru Road	Operational	9	Areated lagoon	5.200	Complying
78	Chamarajnagar	Gundlupete	No	KUWS&DB	Zone 'B' VIJAYAPURA	Operational	1.5	WSP	0.800	Complying
79	Chamarajnagar	Gundlupete	No	KUWS&DB	Chennapura Road, Chikkamagaluru	Operational	2.5	WSP		Complying
80	Mysore	T Narsipura	yes	KUWS&DB	Near KSRTC Bus stand (Constructed)	Operational	5.5	SBR	3.670	Complying
81	Mysore	KR Nagar	No	KUWS&DB	Kantenahalli	Operational	1.44	WSP	4.370	Complying
82	Mysore	KR Nagar	No	KUWS&DB	Madhuvinahalli	Operational	1.45			Complying
83	Mysore	KR Nagar	No	KUWS&DB	Madhuvinahalli	Operational	2.50			Complying
84	Mysore	Hunsuru	yes	KUWS&DB	Kalkunike	Operational	3.9	WSP	3.900	Complying
85	Dharwad	Subramanya	Yes	KUWS&DB	Back side of Subramanyeshwara college	Operational	2.6	Aerated Lagoon	1.000	Complying
86	Ramanagara	Kanakapura	Yes	KUWS&DB	Aralalu Village	Operational	6.29	WSP	3.300	
87	Ramanagara	Ramanagara	Yes	KUWS&DB	Kumbapura	Operational	7.56	Aerated Lagoon	6.240	Complying
88	Shivamogga	Shivamogga	Yes	KUWS&DB	Purle	Operational	5.13	SBR	0.520	Non-complying
89	Shivamogga	Shivamogga	Yes	KUWS&DB	Near Thyavarechatnalli	Operational	35.58	Aerated Lagoon	24.000	Complying
90	Shivamogga	Bhadravathi	Yes	KUWS&DB	Near APMC yard	Operational	7.2	WSP	2.000	Non-complying
91	Shivamogga	Bhadravathi	Yes	KUWS&DB	Jatpat Nagara	Operational	5.83	WSP	4.830	Complying
92	Shivamogga	Bhadravathi	Yes	KUWS&DB	At Ujjinipura	Operational	1	SBR	0.300	Non-complying
93	Davangere	Honnali	Yes	KUWS&DB	Malladevarakatte	Operational	3.3	WSP	0.900	

94	Dharwad	Dharwad	No	KUWS&DB	Sy. No. 151, Narendra village, University of agricultural sciences premises, Dharwad	Operational	10	SBR	3.680	Complying
95	Dharwad	Dharwad	No	KUWS&DB	At Kelageri lake premises, near Radhakrishna nagar, Dharwad	Operational	3	SBR	1.000	Complying
96	Dharwad	Hubballi	No	KUWS&DB	At RS No. 315, Unakal lake premises, Hubballi	Operational	3	Phytorid	2.000	Complying
97	Dharwad	Hubballi	No	KUWS&DB	Tolanakeri, Akshaya colony, Hubballi	Operational	1	Phytorid	1.000	Complying
98	Dharwad	Hubballi	No	KUWS&DB	At Ramanagar, near Ashraya colony, beside Tarihal Industrial area, Hubballi	Operational	0.25	MBBR	0.250	Complying
99	Bagalkote	Badami	No	KUWS&DB	Behind Veerpulikesh Education Institution, Yaragoppa Road , Badami	Operational	4.3	WSP	3.000	
100	Bagalkote	Mudhol	No	KUWS&DB	Near Yadahalli-Ingalgi road Mudhol	Operational	9.06	ULB	4.800	
101	Bagalkote	Bilagi	No	KUWS&DB	Towards Korthi Road Distance 2 KM Away from city limit	Operational	3.5	ULB	2.400	
102	Bijapur	Basavana Bagewadi	No	KUWS&DB	Ivanagi Road Basavana Bagewadi	Operational	4.02	ULB	3.000	
103	Bijapur	Indi	No	KUWS&DB	Ahirasang Road Indi	Operational	4.2	ULB	4.020	
104	Bijapur	Talikote	No	KUWS&DB	RTC NO Survey No-45/2, 3,4,5,RTC-66/2/1,58 Harnal Road, Talikote	Operational	4.24	ULB	3.000	
105	Belagavi	Bailhongal	No	KUWS&DB	Anigol Road, Bailhongal	Operational	8.28	Aerated Lagoon	4.000	Complying
106	Belagavi	Chikodi	Yes	KUWS&DB	HIREKODI	Operational	5.8	WSP	2.700	Non-complying
107	Gadag	Gadag-Betageri CMC	No	KUWS&DB	Nagasamudra	Operational	13.88	WSP	6.650	Complying
108	Vijayanagara	Kudligi	No	KUWS&DB	Near NH 50, Beside Town Panchayat SWM Site, SY No. 60/a and others.	Operational	4.6	SBR	1.200	
109	Vijayanagara	TMC, Huvina Hadagali	Yes	KUWS&DB	2nd Ward Navali Road Near Old Filter House Hadagali	Operational	4.27	Waste Stabilization Pond type	3.500	Complying
110	Vijayanagara	Harapanahalli	No	KUWS&DB	Narayanapura, Harapanhalli Taluka.	Operational	7.92	Waste Stabilization Pond type	4.000	
111	Kalburgi	CC, Kalaburagi	No	KUWS&DB	Near Nandikur Village	Operational	20.00	SBR type	12.000	Complying
112	Kalburgi	CC, Kalaburagi	No	KUWS&DB	Near Kapnoor Village Sy. No. 69/2 & 69/3	Operational	25.00	SBR type	10.000	Complying
113	Kalburgi	TMC,Chittapur	No	KUWS&DB	Chittapura Town Sy. No. 82/2	Operational	5.10	WSP type	3.600	Complying
114	Yadgir	TMC,Gurmitkal	No	KUWS&DB	Nanapur area in Gurmitkal	Operational	3.00	WSP type	1.000	Complying
115	Bidar	CMC. Bidar	No	KUWS&DB		Operational	17.26	SBR type	3.000	
116	Bellary	CCB, Ballari	No	KUWS&DB	30MLD Annathapur Road	Operational	30.00	Aerated Lagoons	23.000	Complying
117	Bellary	CCB, Ballari	No	KUWS&DB	15 MLD at Cowl Bazaar	Operational	15.00	Aerated Lagoons	9.000	Complying
118	Bellary	CCB, Ballari	No	KUWS&DB	Enturi Nagar, Ballari	Operational	10.00	SBR Type	7.000	
119	Koppala	CMC, Gangavathi	No	KUWS&DB	chikka janthkal Road at Gangavathi	Operational	14.00	FAB Type	12.600	Complying
120	Raichur	CMC, Raichur	No	KUWS&DB	Yeramarus Village near Raichur	Operational	5.50	SBR	1.200	
121	Hassan	Arasikere	No	KUWS&DB	Garudangiri Road	Operational	12.00	SBR	5.000	
122	Hassan	Channarayapatna	No	KUWS&DB	Gadderameshwara badavane	Operational	4.60	WSP	4.600	
123	Hassan	Holenarasipura	No	KUWS&DB	Tattekere Grama	Operational	3.00	WSP	3.000	
124	Chikkamagalur	Chikkmagalur	No	KUWS&DB	Chennapura Road, Chikkamagaluru	Operational	20.00	MBBR	6.000	Complying

125	Chikkamagalur	Birur	No	KUWS&DB	Hindu Rudrabhoomi, Yagati Road, Birur	Operational	2.64	WSP	2.640	Complying
126	Mandya	Mandya	No	KUWS&DB	Yathagadahalli Road	Operational	9.62	OP	7.500	Complying
127	Mandya	Mandya	No	KUWS&DB	Chikkegowdana Doddi	Operational	8.9	WSP	7.500	Complying
128	Mandya	Malavalli	No	KUWS&DB	Goudgere	Operational	5.65	WSP	4.500	Complying
129	Mandya	Krishnarajpet	No	KUWS&DB	Sy. No 32, Hosaholalu	Operational	5	WSP	2.000	Complying
130	Mandya	Nagamangala	No	KUWS&DB	Gaddebhuvanahalli	Operational	3	WSP	1.800	Complying
131	Udupi	Karkala	No	KUWS&DB	Near Existing Oxidation Pond, Kabbettu, Karkala	Operational	3	Oxidation Pond	1.000	
132	Dakshina Kannada	Sullia	No	KUWS&DB	Oldgate,Hosagadde, Sullia	Non-Operational	2	Oxidation Pond	0.000	na
133	Dakshina Kannada	Ullala	No	KUWS&DB	Kodikotepura, Ullala	Operational	4.4	SBT	4.400	
134	Mysore	Mysore	No	KUWS&DB	Rayanakere	Operational	60	FAL	125.000	
135	Mysore	Mysore	No	KUWS&DB	Vidyaranyapuram	Operational	67.5	FAL		
136	Mysore	Mysore	No	KUWS&DB	Hebbal	Operational	8	MBR		Complying
137	Mysore	Mysore	No	KUWS&DB	Kesare	Operational	30	FAL		
138	Tumkur	Tumakuru	No	KUWS&DB	Bheemasandra village, City corporation Tumakuru	Operational	24.57	Aerated lagoon	24.000	Complying
139	Tumkur	Sira	No	KUWS&DB	Kallukote grama	Operational	10.6	SBR	1.750	Complying
140	Chitradurga	Chitradurga	No	KUWS&DB	Beside Railway Track, Near NH4, Chitradurga	Operational	20	SBR	18.000	Complying
141	Davangere	Davanagere	yes	KUWS&DB	Kundavada	Operational	14.8	WSP	12.000	Complying
142	Bengaluru	Anekal	No	KUWS&DB	Aldenahalli	Operational	3.1	SBR	2.000	Complying
143	Bengaluru	Anekal	No	KUWS&DB	Doodakere	Operational	3.3	SBR		Complying
144	Ramanagara	Magadi	No	KUWS&DB	PURA GRAMA	Operational	3.7	WSP	1.780	
145	Kolar	Kolar	No	KUWS&DB	Near Siddhartha school ,manighatta main Road ,gandhi nagara kolar	Operational	10.16	WSP	5.680	Complying
146	Kolar	Mulbagal	No	KUWS&DB	Chikkagopammanakere	Operational	6.3	SBT	5.000	Complying
147	Kolar	Srinivasapura	No	KUWS&DB	Hebbata kere	Operational	3	WSP	2.200	Complying
148	Kolar	Srinivasapura	No	KUWS&DB	1) Indiranagara near APMC yard	Operational	0.112	DEWATs	0.028	Complying
149	Kolar	Srinivasapura	No	KUWS&DB	2) Near Unikili Village	Operational	0.117	DEWATs	0.030	Complying
150	Kolar	Srinivasapura	No	KUWS&DB	3) Near Nallapalli	Operational	0.107	DEWATs	0.021	Complying
151	Kolar	Srinivasapura	No	KUWS&DB	4) Near Byrapalli Village	Operational	0.057	DEWATs	0.011	Complying
152	Kolar	Malur	No	KUWS&DB	Malur town,Kadadenahalli	Operational	4	SBR	2.000	Complying
153	Chikkaballapur	Chintamani	No	KUWS&DB	Near Gopasandra Tank	Operational	2	WSP	2.000	Complying
154	Chikkaballapur	Shidalghatta	No	KUWS&DB	Bellutti lake	Operational	3.1	WSP	1.600	Complying
155	Bijapur	B.Bagewadi (UGD to Leftout Areas)	No	KUWS&DB	Jainapur	Operational	0.25	MBBR	0.200	
156	Uttarakannada	Bhatkal	No	KUWS&DB	Venkatapur village, Post Bhatkala, Bhatkala tuluk, Uttara Kannada district - 581320	Operational	2.75	Floating aerator type	2.750	
157	Dharwad	Dharwad	No	KUWS&DB	Jogyallapur	Non-operational	0.25	MBBR	0.000	na
158	Bagalkote	Hungund	No	KUWS&DB	Ramawadagi Village Road	Non-operational	3.50	WSP	0.000	na
159	Gadag	Gadag-Betageri	No	KUWS&DB	Nagasamudra	Non-operational	10.80	WSP	0.000	na
160	Gadag	Laxmeshwar TMC	No	KUWS&DB	Akkigunda, Desaiban	Non-operational	5.50	Aerated Lagoon	0.000	na

161	Gadag	Naragund TMC	No	KUWS&DB	In Hirehal	Non-operational	4.18	WSP	0.000	na
162	Belagavi	Sadalaga	Yes	KUWS&DB	Dattawad Road Honde	Non-operational	3.72	Aerated Lagoon	0.000	na
163	Kalburgi	TMC, Jewargi	yes	KUWS&DB	Jewargi Town Near Kalaburagi Road	Non-operational	3.25	WSP	0.000	na
164	Shivamogga	Shikaripura	No	KUWS&DB	Ambaragoppa Village Cross	Non-operational	5.00	SBR	0.000	na
165	Tumkur	Turuvekere	No	KUWS&DB	Bidiswaste Sy No 101/1, 101/2, 103/1, 103/2 and others	Non-operational	1.95	Waste stabilization pond	0.000	na
166	Belagavi	Ramdurga	Yes	KUWS&DB	Halagatti	Non-operational	3.30	WSP	0.000	na
167	Bagalkote	Guledgudda	No	ULB	Padanakatti Village	Non-operational	4	oxidation pond	0.000	na
168	Bagalkote	Bagalkote	No		near APMC Bagalkote	Operational	12.5	oxidation pond	6.500	
							2842.013		**1879.042**	

Annexure-2

List of existing STPs in 17 PRS

Sl. no.	District	ULB	Is ULB under 17 Polluted River Stretch?	Implementing agency	Address of the STP	Status	STP Installed Capacity (MLD)	Technology	STP capacity utilization (MLD)	Status of Complying
1	Bangalore	Bangalore Urban	Yes	BWSSB	V Valley	Operational	150	ASP	74.00	Complying
2	Bengaluru	Bangalore Urban	Yes	BWSSB	Chikkabanavara	Operational	5	SBR	4.94	Complying
3	Bengaluru	Bangalore Urban	Yes	BWSSB	Doddabele	Operational	40	SBR	40.43	Complying
4	Bengaluru	Bangalore Urban	Yes	BWSSB	Doddabele	Operational	20	SBR	16.25	Complying
5	Bengaluru	Bangalore Urban	Yes	BWSSB	Kempambudhi	Operational	1	EA	0.69	Complying
6	Bengaluru	Bangalore Urban	Yes	BWSSB	Kengeri	Operational	60	ASP	31.24	Complying
7	Bengaluru	Bangalore Urban	Yes	BWSSB	Mailsandra	Operational	75	EA	66.55	Complying
8	Bengaluru	Bangalore Urban	Yes	BWSSB	Mallathahalli	Operational	5	SBR	4.28	Complying
9	Bengaluru	Bangalore Urban	Yes	BWSSB	Nagasandra	Operational	20	SBR	7.79	Complying
10	Bengaluru	Bangalore Urban	Yes	BWSSB	Nagasandra	Operational	20	Extended Aeration	7.79	Complying
11	Bengaluru	Bangalore Urban	Yes	BWSSB	V Valley	Operational	180	Trickling process	100.90	Complying
12	Uttarakannada	Karwar	Yes	KUIDFC	Gandhi nagar Near KEB Karwar	Operational	1.5	Aerator Lagoon	1.500	Complying
13	Davangere	Davangere	Yes	KUIDFC	Shivanagar, Davanagere	Operational	20	SBR	20.000	Complying
14	Davangere	Davangere	Yes	KUIDFC	Avaragere	Operational	5	SBR	2.500	Complying
15	Davangere	Davangere	Yes	KUIDFC	Shivanagar	Operational	20	SBR	15.000	Complying
16	Davangere	Harihara	Yes	KUIDFC	Harlapura	Operational	18	FAL	4.000	Complying
17	Haveri	Ranebannur	Yes	KUIDFC	Hunatti	Operational	7.5	FAL	7.500	Complying
18	Haveri	Ranebannur	Yes	KUIDFC	Hunatti	Operational	7.5	FAL	2.500	Complying
19	Bagalkote	Rabkavi Banahatti	Yes	KUIDFC	Near Gattagi, Basaveshwara road	Non-operational	9.2	SBR	0.000	na
20	Hassan	Hassan	Yes	KUWS&DB	Bittagowdanahalli	Operational	10	WSP	9.300	Complying
21	Hassan	Belur	Yes	KUWS&DB	Hole Beedhi	Operational	2.4	WSP	2.100	Complying
22	Hassan	Belur	Yes	KUWS&DB	Behind Ayyappa Swamy Temple	Operational	0.3	WSP	0.300	Complying
23	Mandya	Srirangapatna	yes	KUWS&DB	Chandagalu road Ganjam, Srirangapatna	Operational	1.39	WSP	1.390	Complying

24	Mandya	Srirangapatna	yes	KUWS&DB	Chandagalu road Ganjam, Srirangapatna	Operational	2.21	WSP	1.630	Complying
25	Mandya	Maddur	yes	KUWS&DB	Hole Anjananeya Temple	Operational	3.5	WSP	2.400	Complying
26	Mysore	Nanjangudu	yes	KUWS&DB	Goluru	Operational	7	WSP	3.300	Complying
27	Mysore	Bannuru	yes	KUWS&DB	Chamanahalli	Operational	2.25	WSP	1.000	Non-complying
28	Chamarajnagar	Kollegala	Yes	KUWS&DB	Kollegala-Mulluru Road	Operational	9	Areated lagoon	5.200	Complying
29	Mysore	T Narsipura	yes	KUWS&DB	Near KSRTC Bus stand (Constructed)	Operational	5.5	SBR	3.670	Complying
30	Mysore	Hunsuru	yes	KUWS&DB	Kalkunike	Operational	3.9	WSP	3.900	Complying
31	Dharwad	Subramanya	Yes	KUWS&DB	Back side of Subramanyeshwara college	Operational	2.6	Aerated Lagoon	1.000	Complying
32	Ramanagara	Kanakapura	Yes	KUWS&DB	Aralalu Village	Operational	6.29	WSP	3.300	
33	Ramanagara	Ramanagara	Yes	KUWS&DB	Kumbapura	Operational	7.56	Aerated Lagoon	6.240	Complying
34	Shivamogga	Shivamogga	Yes	KUWS&DB	Purle	Operational	5.13	SBR	0.520	Non-complying
35	Shivamogga	Shivamogga	Yes	KUWS&DB	Near Thyavarechatnalli	Operational	35.58	Aerated Lagoon	24.000	Complying
36	Shivamogga	Bhadravathi	Yes	KUWS&DB	Near APMC yard	Operational	7.2	WSP	2.000	Non-complying
37	Shivamogga	Bhadravathi	Yes	KUWS&DB	Jatpat Nagara	Operational	5.83	WSP	4.830	Complying
38	Shivamogga	Bhadravathi	Yes	KUWS&DB	At Ujjinipura	Operational	1	SBR	0.300	Non-complying
39	Davangere	Honnali	Yes	KUWS&DB	Malladevarakatte	Operational	3.3	WSP	0.900	
40	Belagavi	Chikodi	Yes	KUWS&DB	HIREKODI	Operational	5.8	WSP	2.700	Non-complying
41	Vijayanagara	TMC, Huvina Hadagali	Yes	KUWS&DB	2nd Ward Navali Road Near Old Filter House Hadagali	Operational	4.27	Waste Stabilization Pond type	3.500	Complying
42	Davangere	Davanagere	yes	KUWS&DB	Kundavada	Operational	14.8	WSP	12.000	Complying
43	Belagavi	Sadalaga	Yes	KUWS&DB	Dattawad Road Honde	Non-operational	3.72	Aerated Lagoon	0.000	na
44	Kalburgi	TMC, Jewargi	yes	KUWS&DB	Jewargi Town Near Kalaburagi Road	Non-operational	3.25	WSP	0.000	na
45	Belagavi	Ramdurga	Yes	KUWS&DB	Halagatti	Non-operational	3.30	WSP	0.000	na
							821.78		**503.340**	

Annexure-3

List of Non-Operational STPs in Karnataka

Sl. no.	District	ULB	Is ULB under 17 Polluted River Stretch?	Implementing agency	Address of the STP	Status	STP Installed Capacity (MLD)	Technology	Reason for non - operational	Proposed actions to operate the STP
1	Bengaluru	Bangalore Urban	No	BWSSB	Hebbal	Non-operational	60	FBR	DPR for construction of new STP in the place of old STP since the water quality was not meeting the stipulated standards.	
2	Bagalkote	Rabkavi Banahatti	Yes	KUIDFC	Near Gattagi, Basaveshwara road	Non-operational	9.2	SBR	No HSC connection	
3	Bidar	Humnabad	No	KUIDFC	Dummanasoor village, Chinnakera Road, Near Forestry Nursery	Non-operational	6	WSP	No HSC connection	
4	Haveri	Haveri	No	KUIDFC	Siddevapure	Non-operational	4.71	FAL	Rectification works under progress	
5	Dharwad	Dharwad	No	KUWS&DB	Jogyallapur	Non-operational	0.25	MBBR	UGD network, house connections & STP have been commissioned. Individual house hold owners have to connect their sewage outlet to the HSC chamber. Hence, sewage flow to the UGD network & STP is NIL and the STP is non-operational. The proposal has been submitted to Hubballi-Dharwad Municipal Corporation (HDMC) to take over STP, for further maintenance.	HDMC has to educate the house hold owners to connect their sewage outlet to the HSC chamber, by conducting IEC activities and other options.
6	Bagalkote	Hungund	No	KUWS&DB	Ramawadagi Village Road	Non-operational	3.50	WSP	In the A/A estimate of Providing UGD scheme to Hungund town amounting to Rs.1902.35 lakhs, there is no provision for HSCs.However the scheme is commissioned during March 2018 . Sewage is not generating due to HSCs are not provided by the ULB.	It is requested to ULB to provide HSCs
7	Gadag	Gadag-Betageri	No	KUWS&DB	Nagasamudra	Non-operational	10.80	WSP	Pumping machineries are under repair and new STP has to bear present load. Total sewage is taken to new STP. As the number of HSC increased the excess sewage above 13.88 MLD will be diverted to old STP.	1) The estimate for' Repairs of Pumping machinery installed at Wetwell ' amounting to Rs.16.00 Lakhs submitted to the Commissioner, CMC Gadag-Betageri videEE/Gadag letter No. 492 Dt: 15.01.2021 for Counter signature and deposition of funds. Reminder letter sent vide letter No. 277 Dated: 02.06.2021 . Reply is awaited. 2) ULB is constantly pursued to cover 100% linking to HSC's. It is also being reviewed by the D.C. of Gadag, in weekly progress review Meeting. 3) The Chief Engineer (D&M), KUWS & DB, Bengaluru approved the estimate for 'IEC activities regarding awareness programme to utilise UGD system by linking to HSC to the publi' vide proceedings No. 41 Dt:07.04.2021 for Rs. 18,000.00 . 4) Pamplets are distributed to the public and announcement through Loud Speakers regarding to take HSC connection to UGD network. 5) To keep old STP in running condition, an estiamte of Rs. 16.00 Lakhs is submitted to ULB for Counter signature and deposition. 6) For O & M of the STP and old network an
8	Gadag	Laxmeshwar TMC	No	KUWS&DB	Akkigunda, Desaiban	Non-operational	5.50	Aerated Lagoon	UGD scheme to Laxmeshwar town was completed at the estimate cost of Rs. 3978.96 Lakhs which was approved on 15.11.2011 2) Above estimate not included HSCs. Now , estimate amounting to Rs. 979.00 Lakhs is submitted to Govt. for approval vide Board letter No: 2331 Dated: 22.12.2018. Approval is awaited.	The estimate for Providing House Service Connections to the UGD Scheme amounting to Rs. 979.00 Lakhs has been submitted to Government vide Board letter No. 2331 Dated: 22.12.2018 for according Administrative Approval. However, the ULB is requested to give HSCs directly by the public.
9	Gadag	Naragund TMC	No	KUWS&DB	In Hirehal	Non-operational	4.18	WSP	1) UGD scheme to Nargund town was taken up at the estimate cost of Rs.720.00 Lakhs which was approved on 23.02.2004 2) Above estimate not included HSCs. Now estimate amounting to Rs. 981.00 Lakhs is submitted to Govt. for approval vide Board lette No: 283 Dated: 09.05.2019. Approval is awaited.	The estimate for Providing House Service Connections to the UGD Scheme amounting to Rs. 981.00 Lakhs has been submitted to Government vide Board letter No. 283 Dated: 09.05.2019 for according Administrative Approval. However, the ULB is requested to give HSCs directly by the public.
10	Belgavi	Sadalaga	Yes	KUWS&DB	Dattawad Road Honde	Non-operational	3.72	Aerated Lagoon	Due to differential pressure in compartment 1 & 2 on accounts of heavy rains and flood, the 2nd compartment bed has breached and completely emptied on 20.04.2021. STP is submerged for the 2nd time after construction, in the flood of Doodhaganga river during July, 2021 due to heavy rain.	The rectification work for STP is taken up and is under progress.
11	Kalburgi	TMC, Jewargi	Yes	KUWS&DB	Jewargi Town Near Kalaburagi Road	Non-operational	3.25	WSP	Outfall Sewerline is damaged and HSC's are not connected. The UGD Scheme was handed over to ULB during the Year-2012.	The scheme for construction of 5.83 MLD under NGT is sanctioned from GOK. The work is under progress.

12	Shivamogga	Shikaripura	No	KUWS&DB	Ambaragoppa Village Cross	Non-operational	5.00	SBR	The internal and outfall sewerline is executed by KHB authorities and the work is under progress. Once the sewer network is completed, sewage will be pumped to STP.	STP trial run carried out on 01-03-2019. The internal and outfall sewerline is executed by KHB authorities and the work is under progress. Once the sewer network is completed, sewage will be pumped to STP.After completion of sewer network with successful flow test, TMC Shikaripura has to insist individual property owners of Shikaripura to take house service connection to sewer network. Once completion of 30 to 40% of individual house service connections in the town, sewage will be generated to wetwell and then to STP.
13	Tumkur	Turuvekere	No	KUWS&DB	Bidiswaste Sy No 101/1, 101/2, 103/1, 103/2 and others	Non-operational	1.95	Waste stabilization pond	After commissioning of the scheme, pattana panchayat Turuvekere has not accepted for further maintainence of the scheme due to the reason that HSC's were not executed in the scheme	DPR for providing 2nd Stage UGD scheme to Turuvekere town amounting Rs.1184.00 lakhs is submitted to GoK vide Board letter no.271/2021-22 dt:24-05-2021 and ltr No. 1325, dtd13/10/2021 for approval. DPR is returned back from the GOK 13/UWS/2021,dtd: 02.02.2022 due to shortage of fund. The DPR is to be resubmitted for approval.
14	Belgavi	Ramdurga	Yes	KUWS&DB	Halagatti	Non-operational	3.30	WSP	HSC's are not provoded in the scheme	The estimate for HSC is forwarded to the Local Body to take up the work vide Ltr. No. 1053 Dtd : 01.09.2021 for Rs. 592.22 Lakhs.
15	Dakshina Kannada	Sullia	No	KUWS&DB	Oldgate,Hosagade, Sullia	Non-Operational	2	Oxidation Pond	0.000	
16	Bagalkote	Guledgudda	No	ULB	Padanakatti Village	Non-operational	4	oxidation pond		
							127.36			

Annexure-4

List of Under Construction STPs in Karnataka

Sl. No.	ULB name	is ULB under 17 PRS?	Implementing agency	STP location	Proposed capacity (MLD)	Technology used	Status of the project	Physical progress as on 30/11/21	Physical progress as on 31/12/21	Physical progress as on 31/01/22	Physical progress as on 28/02/22	Physical progress as on 31/03/22	Proposed date of completion	Reason for Slow progress	Remark
1	Bangalore Urban	No	BWSSB	Puttenahalli	7	SBR	Under construction	25%	30%	40%	45%	49.58%	03-05-2022		
2	Bangalore Urban	No	BWSSB	Kaggadasapura	5	SBR	Under construction	0%	0%	0%	0%	0%	Land litigation		
3	Bangalore Urban	No	BWSSB	Hesaraghatta	3	SBR	Under construction	8%	9%	10%	11%	12%	05-05-2022		
4	Bangalore Urban	No	BWSSB	Madiwala	4	SBR	Under construction	55%	60%	75%	85%	90%	31-03-2022		
5	Bangalore Urban	No	BWSSB	Pillaganahally	4	SBR	Under construction	0%	1%	1%	5%	10%	01.01.2024		
6	Bangalore Urban	No	BWSSB	Varthur	25	SBR	Under construction	Not yet started					01.01.2024		
7	Bangalore Urban	No	BWSSB	Talaghattapura	5	SBR	Under construction	1%	1%	2%	5%	10%	01.01.2024		
8	Bangalore Urban	No	BWSSB	Nagasandra	9	SBR	Under construction	1%	1%	2%	5%	10%	01.01.2024		
9	Bangalore Urban	No	BWSSB	Herohally	3	SBR	Under construction	1%	1%	2%	5%	10%	01.01.2024		
10	Bangalore Urban	No	BWSSB	Karihobanahally	10	SBR	Under construction	1%	1%	2%	5%	10%	01.01.2024		
11	Bangalore Urban	No	BWSSB	Chikkabanavara	4	SBR	Under construction	1%	1%	2%	5%	10%	01.01.2024		
12	Bangalore Urban	No	BWSSB	Hosahally	6	SBR	Under construction	1%	1%	2%	5%	10%	01.01.2024		
13	Bangalore Urban	No	BWSSB	Hemmigepura	13	SBR	Under construction	1%	1%	2%	5%	10%	01.01.2024		
14	Bangalore Urban	No	BWSSB	Somapura	8	SBR	Under construction	1%	1%	2%	5%	10%	01.01.2024		
15	Bangalore Urban	No	BWSSB	Bilishivale	17	SBR	Under construction	1%	1%	2%	5%	10%	06.01.2024		
16	Bangalore Urban	No	BWSSB	Doddabetta hally	7	SBR	Under construction	1%	1%	2%	5%	10%	06.01.2024		
17	Bangalore Urban	No	BWSSB	Jakkur	7	SBR	Under construction	1%	1%	2%	5%	10%	06.01.2024		
18	Bangalore Urban	No	BWSSB	Yelahanka	6	SBR	Under construction	1%	1%	2%	5%	10%	06.01.2024		
19	Sindhanur	No	KUIDFC	Sukalpet	12	FAL	Under construction	95%	97%	98%	99%	99%	Ready for commissioning.		
20	Dandeli	Yes	KUWS&DB	Kerwadi (Halmaddi village)	8.00	SBR	Under construction	72%	75%	76%	79%	81%	07-05-2022	1. CMC Dandeli has handed over the land on Dtd:01.09.2020. 2. Civil work is completed.Delay is due to procurement of electromechanical items by the agency. 3.Delay duue to Inspection from HESCOM authoritis.	—

21	Dandeli	Yes	KUWS&DB	Nirmal nagar Janata colony-	0.50	Phytorid	Under construction	53%	55%	58%	61%	64%	07-05-2022	CMC Dandeli has handed over the land on Dtd:28.08.2020.	—
22	Ramdurga	Yes	KUWS&DB	Padukote	1.00	MBBR	Under construction	75	75	76	78	80	30.06.2022 Revised	Delayed due to flood and agitation from the farmers.	
23	Belagavi	No	KUWS & DB	Halaga	70.00	SBR	Under construction	33	33	34	34.25	34.5	31.03.2023 Revised	Delay in Handing over of site for STP, due to agitation from farmers. The STP site was handed over on 29.05.2019. But the work could not be taken up due to heavy floods during August - 2019 resulting in Quick sand condition of sub strata. Further, the work started during June - 2020.	
24	Kolar	No	KUWS&DB	Chinnapura tank, Manighatta main Road ,gandhi nagara kolar	8.00	SBR	Under construction	0%	0%	0%	0%	0%	31-03-2023	Site issue not yet cleared by concerned ULB	UGD network and HSC's completed.
25	KGF(Robertsonpet)	No	KUWS&DB	Parandahalli Tank	5.00	MBBR	Under construction	70%	70%	75%	76%	78%	30-06-2022	Delay and slow progress by agency	
26	Hosakote	No	KUWS&DB	Chikkakere	8.52	SBR	Under construction	60%	60%	60%	60%	60%	31-3-2023	The work of construction of STP is stopped due to shortage of funds.The proposal amounting to Rs.20.21Cr is submitted to GOK for approval	Balance work will be taken up after approval to the estimate amounting to Rs 20.21 Cr submitted to Govt vide letter no 1617, Dt: 23-11-2021.
27	Sagar	No	KUWS&DB	Shiravala	9.00	SBR	Under construction	96%	97%	97%	97%	97%	30-4-2022	Delay in issuing CFE from KSPCB, delay due to heavy rainfall, COVID lackdown, delay by Agency, etc.	Trial run conducted on 05.01.2022. Works will be completed on 30.4.2022
28	Kumta	No	KUWS&DB	Gund, Shashihittal	4.60	SBR	Under construction	0%	0%	0%	0%	0%	31-05-2022	`1. CRZ clearance obtained on Dtd:23.03.2022. 2.Inorder to start the STP work approval to revised estimate is essential.	—
29	Honnavara	No	KUWS&DB	Udhyam Nagar	2.60	SBR	Under construction	0%	0%	0%	0%	0%	31-05-2022	Agitation from local public to start the work.	—
30		No	KUWS&DB	Jeevan jyothi	0.20	MBBR	Under construction	0%	0%	0%	0%	0%	31-05-2022		
31	Tumkur	No	KUWS&DB	Bheemsandra	25.00	SBR	Under construction	35%	41%	42%	50%	60%	30-6-2022	Due to COVID Lockdown, Heavy Rainfall,	
32	Madikeri	No	KUWS&DB	Kbadaga village near Golf ground	4.50	SBT	Under construction	10%	10%	10%	10%	10%	31.03.2023	The work of construction of 3.0/4.5MLD capacity SBT type STP is delayed due to non-availability of approach road to construction site which has been encroached by the adjacent land owners. An alternative road to the construction site was identified during March-2021, but works had to be stopped due to interference from public who have filed a suit against Board in Senior Civil Judge and CJM, Madikeri on 17-11-2021.	The work is stopped due to interference from public who have filed a suit against Board in Senior Civil Judge and CJM, Madikeri on 17-11-2021.

33	Kushalnagar	No	KUWS&DB	Gummankolli village	6.50	SBT	Under construction	35%	40%	45%	60%	65%	31.07.2022	The progress of works were hampered due to the lockdown initiated to prevent spread ofsecond wave of COVID-19 from March-2021 to May-2021. Cyclonic rains received in the month of May-2021 further delayed the progress of works and works could not be taken up during monsoon from June-2021 upto end of October-2021.	The progress of works were hampered due to lockdown due to COVID-19 from March-2021 to May-2021. Works could not be taken up during monsoon from May-2021 upto end of October-2021.
34	Bagepalli	No	KUWS&DB	Kurlakunte Kere	4.30	SBT	Under construction	40%	45%	50%	55%	60%	16/09/2022		
35	Bagepalli	No	KUWS&DB	Reddy kere	0.55	SBT	Under construction	0%	0%	0%	0%	0%	16/09/2022	Modified Structural designs is yet to be submitted by Agency	
36	Hosadurga	No	KUWS&DB	Goravinakallu village	3.30	SBR	Under construction	96	96%	96%	98%	100%	31-3-2022		STP commissioned on 22-03-2022
37	Sedam	No	KUWS&DB	Sy.No 239/2, Sedam Village, Taluka Sedam	9.00	SBR	Under construction	67%	73%	74%	76%	80%	30.06.2022		
38	Bhatkal	No	KUWS&DB	Venkatapura	3.00	SBR	Under construction	50%	60%	67%	70%	73%	07-09-2022	The sewer network laying work is very slow as the local public is agitating.STP civil work is completed and erection of mechanical eqipments is put on hold,as only 20 % of sewer network laying is completed.	—
39	Bhatkal	No	KUWS&DB	Gousia street	2.50	MBBR	Under construction	0%	0%	0%	0%	0%	07-09-2022	Private Land identified and land acquisition proposal to be submitted.	—
40	Jali	No	KUWS&DB	Venkatapura	3.00	SBR	Under construction	14%	15%	18%	20%	25%	07-09-2022	The proposed STP sites for Bhatkal and Jali towns are adjucent to each other.Due t o the site constraints civil works of STP are tackled after completion of Bhatkal STP.	—
41	Madhugiri	No	KUWS&DB	Solid Waste Management Area (4MLD)	4.00	MBBR	Under construction	50%	55%	56%	60%	62%	30/09/2022	Delay by the Agency, Delay due to COVID lockdown	
42	Madhugiri	No	KUWS&DB	Lingenahalli Pavagada road (0.6MLD)	0.60	MBBR	Under construction	35%	37%	38%	45%	50%	30/09/2022		
43	Madhugiri	No	KUWS&DB	Siddapura Sira road(80KLD)	0.08	NEBR	Under construction	0%	0%	0%	0%	0%%	NA	As the land for construction of 80KLD STP of NEBR Technology is not handed over by ULB, it is proposed to drop the STP and divert the sewage to 0.6MLD STP by pumping from the last Manhole.	Construction of 80KLD will not be taken up as the land is not handed over by ULB.

44	Periyapatna	No	KUWS&DB	Keernalli village	4.20	SBR	Under construction	2%	10%	25%	40%	55%	30/09/2022	Now the work is in progress. Initially, the STP work is not taken up by the agency as the variation is not approved for change in Technology.	In the tender there is a provision for Aerated lagoon, since the area for construction of Aerated lagoon is more and also the villagers are agitated for the above work. Hence the new technology SBR is adopted as per the recommendation of KSPCB. After obtaining the approval for new technology, work has been started. SBR side wall is completed, PTU channel under progress, Admin building lintel level is under progress, Chlorine contact tank side wall completed. Chlorine room footing work is under progress.
45	Haliyal	No	KUWS&DB	Hullatti Village	3.50	SBR	Under construction	0%	0%	0%	0%	0%	5/7/2022 Revised Date:01.10.2023	For Diversion of forest land, proposal is submitted to Forest Department.Clearance is awaited.	__
46	Haliyal	No	KUWS&DB	DK halli road	0.75	Phytorid	Under construction	0%	0%	0%	3%	5%	5/7/2022 Revised Date:01.10.2023	Proposed land pertains to forest dept.Sheesam and mango tree cutting in the proposed site is done by forest department on Feb 2022.After that lineout is given to agency.	__
47	Sindhagi	No	KUWS&DB	Sindagi Almel Road	7.37	WSP	Under construction	6%	7%	8%	13%	25%	12-02-2022	Work under progress	
48	Basavana Bagewadi	No	KUWS&DB	Savalahalla Tanda	0.25	MBBR	Final Stage of Progress	65%	65%	65%	70%	75%	31.05.2022	The site is handed over to Board from ULB on 17.02.2021. Accordingly, all the works will be completed within 31.5.2022	
49	Muddebihal	No	KUWS&DB	Near Mudnal MI pond	5.24	SBT	Under construction	55%	55%	55%	65%	75%	31.05.2022	All the works will be completed within 31.5.2022	
50	Maddur	Yes	KUWS&DB	Near Hole Anjaney	2.50	Aerated Lagoon	Under construction	85%	85%	85%	95%	95%	14/04/2022		STP trail run and partially commissioned on 08.03.2022
51	Ballari City Corporation	No	KUWS&DB	Sirguppa Road, Ballari	2.00	SBR	Under construction	80%	85%	85%	85%	85%	30-06-2022	1. Land for Wetwell construction was delayed to handed over to Board. 2.Dispute land issues for outfall sewer alignment. 3.due to DI rising main alignment problems from wetwell to STP. 4. Approval for design and drawing of wetwell pumping mechanaries delayed.	
52	Bidar CMC	No	KUWS&DB	Sy. No.107/1,107/2,108/2,108/3 of Naubad village of Bidar City	7.00	SBR	Under construction	59%	59%	60%	70.00%	73.60%	30-06-2022	Delay due to Lockdown imposed by Govt of India due to COVID-19.	Construction of STP under progress

53	Sandur TMC	No	KUWS&DB	Sy.No.209, Near Nandihalli PG Center, Sandur	0.55	SBR	Under construction	0%	0%	0%	0%	0%	13/01/2023	----	On 12.11.2021 EE, Ballari inspected along with Chief officer, TMC sandur & land owner at site as agreed to handover the approach road within 22.11.2021 & regarding 3 Nos of wetwell & 0.55MLD STP visted to Tahsildhar office sandur, requested & insisted Tahsildhar Madam to hand over the site, & Tahsildhar said, it will be processed at the earliest.
54	Sandur TMC	No	KUWS&DB	Sy.No.274, Bhujanganagar Road, Sandur	6.00	SBR	Under construction	0%	0%	0%	0%	0%	13/01/2023		
55	TMC Jewargi	Yes	KUWS & DB	Sy.No 21 Jewargi Kalburgi Road	5.83	SBR	Under construction	0%	0%	0%	0%	0%	31/01/2023	-	Basic Engineering Plan for STP is under preparation by the agency.
56	Hassan	Yes	KUWS&DB	Near Bittgondanahalli	10.00	SBR	Under construction	-	-	0%	1%	2%	18.01.2024	Works under progress.	Existing 10 MLD STP with WSP is upgraded to 20 MLD with SBR technology. Work order issued on 19.01.2022. Survey works completed. Hydraulic designs approved.
57	Hassan	Yes	KUWS&DB	Near KSRTC Bus Stand (Channapatna tank bed)	10.00	SBR	Under construction	-	-	0%	0%	0%			
58	Belur	Yes	KUWS&DB	Near existing 2.40 MLD WSP type STP (Holle bidi)	2.60	SBR	Yet to be started	-	-	0%	0%	0%	18.01.2023	The land for constructions of STP yet to be handed over to the board by the local body.	Existing 2.60 MLD STP with WSP is upgraded to 5.00 MLD with SBR technology. Work order issued on 19.01.2022. Survey works completed. Designs and drawings yet to be approved.
59	Channarayapatna	No	KUWS&DB	Udayagiri Badavane	0.25	SBR	Under construction	15%	20%	25%	30%	32%	30.05.2022	Delay in getting the clearance from the KSPCB.	Work under progress
60	Belthangady	No	KUWS&DB	Renkedaguttu	0.01	FSTP	Yet to start work	--	--	--	--	--	05-11-2022	Work started, but could not be continued due to objection of the public. Alternate site for construction of FSTP is to be handed over by TP Belthangady.	
61	Hunsuru	Yes	KUWS&DB	Kalkunike	8.00	SBR	The agreement for the work concluded on 31-12-2021. Hydraulic designs for STP and wetwell- 4 are approved, QAPs for pipes are approved.						31.03.2023		After approval of structural designs and drawings works will be taken up
62	Bannuru	Yes	KUWS&DB	Chamnahalli near Mandya Road	1.55	SBT	Hydraulic Designs and						31.03.2023		

63		Yes		Bismilla Nagar	0.65		drawings of sewer network, STP's and wetwells has been approved on 03-03-2022. Strenthening of WSP ponds is under progress								After approval of structural designs and drawings works will be taken up
64		Yes		Chamnahalli Gudda	0.65										
65		Yes		Ashraya Badavane Makanahalli	0.23										
66		Yes		Near Kaveri Circle	0.15										
67	Bagalkote	NO		Sector no.62 at Navanagara	11.20	SBR	Under construction					100%	31.05.2022 under commissioning stage		
					429.226										

Annexure-5

Under construction STPs in 17PRS

Sl. No.	ULB name	is ULB under 17 PRS?	Implementing agency	STP location	Proposed capacity (MLD)	Technology used	Status of the project	Physical progress as on 30/11/21	Physical progress as on 31/12/21	Physical progress as on 31/01/22	Physical progress as on 28/02/22	Physical progress as on 31/03/22	Proposed date of completion	Reason for Slow progress	Remark
1	Dandeli	Yes	KUWS&DB	Kerwadi (Halmaddi village)	8.00	SBR	Under construction	72%	75%	76%	79%	81%	07-05-2022	1. CMC Dandeli has handed over the land on Dtd:01.09.2020. 2. Civil work is completed.Delay is due to procurement of electromechanical items by the agency. 3.Delay duue to Inspection from HESCOM authoritis.	—
2	Dandeli	Yes	KUWS&DB	Nirmal nagar Janata colony-	0.50	Phytorid	Under construction	53%	55%	58%	61%	64%	07-05-2022	CMC Dandeli has handed over the land on Dtd:28.08.2020.	—
3	Ramdurga	Yes	KUWS&DB	Padukote	1.00	MBBR	Under construction	75	75	76	78	80	30.06.2022 Revised	Delayed due to flood and agitation from the farmers.	
4	Maddur	Yes	KUWS&D	Near Hole Anjan	2.50	Aerated Lagoon	Under construction	85%	85%	85%	95%	95%	14/04/2022		STP trail run and partially commissioned on 08.03.2022
5	TMC Jewargi	Yes	UWS & D	Sy.No 21 Jewargi Kalburgi Road	5.83	SBR	Under construction	0%	0%	0%	0%	0%	31/01/2023	-	Basic Engineering Plan for STP is under preparation by the agency.
6	Hassan	Yes	KUWS&DB	Near Bittgondanahalli	10.00	SBR	Under construction	-	-	0%	1%	2%	18.01.2024	Works under progress.	Existing 10 MLD STP with WSP is upgraded to 20 MLD with SBR technology. Work order issued on 19.01.2022. Survey works completed. Hydraulic designs approved.
7	Hassan	Yes	KUWS&DB	Near KSRTC Bus Stand (Channapatna tank bed)	10.00	SBR	Under construction	-	-	0%	0%	0%			
8	Belur	Yes	KUWS&DB	Near existing 2.40 MLD WSP type STP (Holle bidi)	2.60	SBR	Yet to be started	-	-	0%	0%	0%	18.01.2023	The land for constructions of STP yet to be handed over to the board by the local body.	Existing 2.60 MLD STP with WSP is upgraded to 5.00 MLD with SBR technology. Work order issued on 19.01.2022. Survey works completed. Designs and drawings yet to be approved.
9	Hunsuru	Yes	KUWS&DB	Kalkunike	8.00	SBR	The agreement for the work concluded on 31-12-2021. Hydraulic designs for STP and wetwell- 4 are approved, QAPs for pipes are approved.						31.03.2023		After approval of structural designs and drawings works will be taken up
10	Bannuru	Yes	KUWS&DB	Chamnahalli near Mandya Road	1.55	SBT	Hydraulic Designs and drawings of sewer network, STP's and wetwells has been approved on 03-03-2022. Strenthening of WSP ponds is under progress. Structural design to be approved						31.03.2023		
11		Yes		Bismilla Nagar	0.65										After approval of structural designs and drawings works will be taken up
12		Yes		Chamnahalli Gudda	0.65										
13		Yes		Ashraya Badavane Makanahalli	0.23										
14		Yes		Near Kaveri Circle	0.15										
					51.66										

Annexure-6

List of Proposed STPs in Karnataka

Sl. No.	ULB name	Is ULB under 17 polluted river stretch ? (Yes/No)	Technology of propsed STP	STP capacity Proposed (in MLD)	Status of the proposal (DPR preparation/ DPR submitted/ Tendering/ Land acquisition/ yet to start work)	Proposed date of completion	Remarks
1	Hassan	Yes	SBR	5.00	Land acquisition	18.01.2024	Work order issued on 19.01.2022. The land for constructions of STP's yet to be handed over to the board by the local body. Land acquisition is under
2	Hassan	Yes	MBBR	2.00	Land acquisition	18.01.2024	
3	Hassan	Yes	MBBR	2.00	Land acquisition	18.01.2024	
4	Srirangapatna	Yes	SBR	1.40	Tendering		Existing 1.39 & 2.29 MLD STP with WSP is upgraded to 5.00 MLD with SBR technology. LOA issued on 07-04-2022.
5	Pandavapura	No	SBT	3.00	land aquisition		STP land not available due to land litigation.
6	Nanjangudu	Yes	SBT	1.00	Yet to start work	31.12.2022	The hydraulic design and drawings are approved on 23-3-2020. All the QAPs are approved, pipes, PE chamber are supplied by the agency.
7	Nanjangudu	Yes	SBT	0.20	Yet to start work	31.12.2022	
8	Nanjangudu	Yes	SBT	0.30	Yet to start work	31.12.2022	
9	Bantwala	Yes	SBR	4.14	land aquisition		The Estimate for providing 2nd phase UGD Scheme to Bantwala town is Administratively approved by the GOK vide letter no UDD18UDS 2015 dated 30-11-2017 and Technically sanctioned by the Chief Engineer, KUWS and D Board, Mysuru vide letter no 2183 dated 16-01-2018.Out of 7 nos of wetwells, land for only two wetwells handed over by TMC to Board. Rest 5 nos. of private lands are to be handed over by TMC to the Board for construction of wetwells. Land required for STP not handed over by the TMC. Writ petition was filed by the petitioner against acquisition of land for STP-1 and wetwell-5 in the Hon'ble High court. The Hon'ble High court vacated the stay. Caveat filed by the Board in Hon'ble high court. After obtaining the required land for STP and wetwells from local authority, tender will be invited.
10	Bantwala	Yes	SBR	0.22	land aquisition		--------do--------
11	Subramanya	Yes	SBR	0.00	Tendering		DPR amounting to Rs.523.00 lakhs for Upgradation of the existing STP of 2.60 MLD capacity Aerated Lagoon type STP to SBR is Administratively approved vide GO No. UDD-01/UWL 2019/ BHA-3, Bengaluru dated 25-03-2021 as per Hon'ble NGT directions. Tender under evaluation.
12	Kanakapura	Yes		0.30	Yet to start work	One year from the date of	LOA issued on 06/04/2022. Agency has to conclude the Agreement
13	Kanakapura	Yes		0.40	Yet to start work		
14	Honnali	Yes		0	Yet to start work	One year from the date of Agreement	LOA issued on 07/04/2022. Agency has to conclude the Agreement
15	Shivamogga	Yes		0	Tendering	one year after entrustment	Agency Finalised and placed before Board for Approval
16	Bhadravathi	Yes		0	Tendering	one year after entrustment	Agency Finalised and placed before Board for Approval
17	Bhadravathi	Yes		0	Tendering		
18	Kushtagi	No	SBR	4.51	DPR Submitted to Govt		
19	Kerur	No	SBR	3.50	DPR Submitted to Govt		
20	Guledgudda	No	SBR	5.32	DPR Submitted to Govt		
21	Mulagund TP	No	SBR	3.00	DPR Submitted to Govt, Vide ltr No. 3146 Dt:- 08-03-2019		
22	Karwar CMC	Yes	SBR	3.00	Tendering is in process.		Tender notification 5th call is invited by CE (DWD) vide notification No.1853 Dtd:14.03.2022 Last date for submission of bid is on 16.04.2022.
23	Karwar	Yes	SBR	7.00	DPR Under preparation		DPR under prepration
24	Karwar	Yes	Package plant	1.00	DPR Under preparation		DPR under prepration
25	Karwar	Yes	Package plant	1.00	DPR Under preparation		DPR under prepration
26	Khanapura (TP)	Yes	MBBR	0.50	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
27	Khanapura (TP)	Yes	MBBR	0.50	Tendering		
28	Khanapura	Yes	SBR	3.70	DPR Submitted to Govt		DPR of Rs. 6657.00 lakhs submitted to Govt vide ltr No. 2026 Dt 08-11-2019
29	M.K Hubli (TP)	Yes	MBBR	0.25	Agency fixed. Work is yet to be taken up by the agency.		Agency fixed vide Tender Agreement No. 6/AGR/2021-22 Dtd : 25.02.2022. Work is yet to be taken up by the agency.
30	M.K Hubli (TP)	Yes	MBBR	0.50	Agency fixed. Work is yet to be taken up by the agency.		
31	M.K.Hubli	Yes	SBR	4.40	DPR Submitted to Govt		DPR Rs. 5466.00 lakhs submitted to Govt vide Ltr No. 1916 Dt: 28-10-2019. Approval is awaited
32	Saundatti (TP)	Yes	SBR	3.50	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
33	Saundatti (TP)	Yes	MBBR	0.50	DPR Submitted to Govt		DPR Rs. 10430.00 lakha submitted to Govt vide ltr No. 01 Dt : 02-04-2019 and approval is awaited
34	Saundatti (TP)	Yes	SBR	8.50	DPR Submitted to Govt		
35	Munavalli	Yes	MBBR	1.00	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
36	Munavalli	Yes	MBBR	0.25	Tendering		
37	Munavalli	Yes	SBR	5.30	DPR Submitted to Govt		Estimate Rs. 6876.00 lakhs submitted to Govt vide ltr No. 1917 Dt: 28-10-2019 and Approval is awaited
38	Ugarkurd (TMC)	Yes	MBBR	2.10	Tendering		The short term tender for the said work is invited by the Chief Engineer, K.U.W.S & D Board, Dharwad vide notification No. 1443 Dtd:03-01-2022 (4th Call).Negotiation is under progress.

39	Kudachi (TMC)	Yes	MBBR	2.03	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
40	Kudachi (TMC)	Yes	SBR	3.66	DPR Submitted to Govt		Estimate Rs. 7341.00 lakhs submitted to Govt vide ltr No. 1842 Dt: 19-10-2019 and approval is awaited
41	Examba (TP)	Yes	MBBR	1.45	Tendering		The short term tender for the said work is invited by the Chief Engineer, K.U.W.S & D Board, Dharwad vide notification No.1351 Dtd:16.12.2021(3rd Call).Technical evaluation is under progress.
42	Examba (TP)	Yes	SBR	2.61	DPR Submitted to Govt		DPR Rs. 7372.00 lakhs submitted to Govt vide ltr No. 1136 Dt: 17-10-2020 and approval is awaited
43	Ainapur (TP)	Yes	MBBR	1.66	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
44	Ainapur (TP)	Yes	SBR	4.37	DPR Submitted to Govt		DPR Rs. 6988.00 lakhs submitted to Govt vide ltr No. 1036 Dt: 01-08-2019 and approval is awaited
45	Chinchili (TP)	Yes	MBBR	1.67	Tendering		The short term tender for the said work is invited by the Chief Engineer, K.U.W.S & D Board, Dharwad vide notification No.1442 Dtd: 03-01-2022 (4th Call).Neogiation is under progress.
46	Chinchili (TP)	Yes	SBR	3.88	DPR Submitted to Govt		DPR Rs. 6060.00 lakhs submitted to Govt vide No. 1137 Dt: 17-10-2020 and approval is awaited
47	Arkalgud	No		1.00			The land for construction of wetwell and STP not yet handed over by the local body. After handing over of the land to the board work will be taken up
48	Arkalgud	No		1.50			
49	Ullala	No	SBT	1.70	land aquisition		A Writ Petion was filed by the land owner against acquistion of land for construction of STP at Kallapu Burdu.The judgement dated 06-01-2021 of the Honb'le High Court of Karnataka quashed the land acquisition notification. Writ appeal is filed in the Hon'ble High Court of Karnataka by the Board before division bench of the Honb'le High Court of Karnataka. Stay obtained from appealed to division bench.
50	Kaup	No	SBR	0.30	land aquisition		Land required for construction of STP has to be finalised by TMC, Kaup
51	Kundapur	No	SBR	2.80	Land acquisition		Tender to be invited. Land required for approach road to STP and wetwell -7 is to be handed over by TMC, Kundapura.
52	Kundapur	No	SBR	0.14	Land acquisition		Work not taken up due to non availability of land.
53	Kundapur	No	SBR	0.07	Land acquisition		----------do----------
54	Kunigal	No	MBBR	5.80	Land acquisition	1 year after approval to RE	Revised estimate submitted to GoK Vide ltr no.2712 dtd:25-01-2019 for approval
55	Gubbi	No	SBT	2.90	Land acquisition	1 Year after approval to RE	Revised estimate submitted to GoK Vide ltr no.2350 dtd:18-12-2018 for approval
56	Mulbagal	No	SBT	1.00	DPR Under preparation	1 year after entrustment of work to the agency	Revised Estimate (including 1 MLD STP)amounting to Rs. 2950 lakhs is prepared and submitted to CE(D&M) for approval vide EE, KUWS & DB, Division, Kolar Ltr No. 270 on Dt.21-6-2021.
57	CMC, Chintamani	No	SBR	6.40	The DPR project amounting to Rs. 14.40 Cr returned from the Government due to shortage of funds vide ltr no UDD/16/UWS/2018 dtd 09.01.2019		2 Acres of land is earmarked for one wetwell and an STP of 6.4 MLD capacity using SBR technology in Survey No. 9, AmmaniKeelukuntekere village, AmbajiDurgaHobli, Chintamanitaluk which is in custody of CMC, Chintamani.
58	Bidadi	No	SBR	6.00	Yet to start work	Jan 2023	The work of providing sewer network under UGD scheme to Bidadi town is under Progress. The work of construction of STP is to be started.
59	Bidadi	No	MBBR	0.10	Yet to start work		
60	Bidadi	No	MBBR	0.10	Yet to start work		
61	Bidadi	No	MBBR	0.16	Yet to start work		
62	Hosakote	No		1.82	land aquisition	the work will be taken up after the land is handed over by ULB	
63	Sagar	No	NEBR	0.62	DPR Under preparation	One year after entrustment	DPR for providing NEBR Technology STP is under Preparation.
64	CMC, Shahapura	No	SBR type	13.00	DPR Submitted to Govt		DPR prepared for Rs.17260.00 Lakhs and Submitted to the Govt vide letter No.526 date : 15--07--2019 for Administative Approval.
65	CMC, Shorapura	No	SBR type	7.50	DPR Submitted to Govt		DPR prepared for Rs.5041.00 Lakhs and Submitted to the Govt vide letter No.1114 date : 13--11--2019 for Administative Approval.
66	CMC, Shorapura	No		1.00			
67	CMC, Shorapura	No		0.75	DPR Submitted to Govt		
68	CMC, Shorapura	No		0.15	DPR Submitted to Govt		
69	TMC, Aland	No	SBR type	8.18	DPR Submitted to Govt		DPR prepared for Rs.11845.00 Lakhs and Submitted to the Govt vide Managing Director, KUWSDB, Kalburgi letter No.770 date : 12-10-2020 for Administative Approval.
70	CCB, Ballari	No	SBR Type	2.00	DPR Submitted to Govt		It is cleared in 107th TA & TSC Meeting on 11-06-2021 and 296th Board meeting held on 25-06-2021 & Submitted to Government for Administrative approval by the Managaing Director, KUWS & DB, Bengaluru
71	CCB, Ballari	No		2.00	DPR Submitted to Govt		
72	CCB, Ballari	No		2.00	DPR Submitted to Govt		
73	CCB, Ballari	No		4.50	DPR Submitted to Govt		
74	CMC, Raichur	No	SBR Type	13.22	DPR Under preparation		DPR amounting to Rs. 172.00 crores is submitted for approval

75	TMC, Deodurga	No	SBR Type	5.00	DPR Submitted to Govt		DPR prepared for Rs.3694.00 Lakhs and Submitted to the Govt vide Managing Director, KUWSDB, Bengaluru letter No.1173 date : 18-01-2021 for Administative Approval.
76	TMC, Lingasugur	No	SBR Type	6.82	DPR Submitted to Govt		Estimate amounting to Rs.9150.00 lakhs is submitted to the Govt. for administrative approval vide the Managing Director, KUWS & DB, Bengaluru ltr No: 897 Dated: 04-10-2019. The Estimate is returned from Govt Vide Letter no 21/UDS/2019, Dated 31.08.2020.
77	TMC, Siruguppa	No	Aerated Lagoons	8.03	DPR Submitted to Govt		Estimate amounting to Rs.9150.00 lakhs was submitted to the Govt. for administrative approval vide the Managing Director, KUWS & DB, Bengaluru ltr No:3030 Dated: 12-01-2017
78	CMC, Siddlaghatta	No	SBR	6.60	DPR Returned from Govt		The STP is proposed near existing STP at Belluti tank. The DPR project amounting to Rs. 44.90 Cr returned from the Government due to shortage of funds vide ltr no UDD/06/UWS/2019 dtd 14.08.2019
79	Hukkeri	No	SBR	3.87	DPR Submitted to Govt		DPR Rs. 6926.00 lakhs submitted to Govt vide No. 1012 Dt: 08.10.2021 and Approval from Govt is awaited
80	Sankeshwar	No	SBR	5.91	DPR Submitted to Govt		DPR Rs. 9798.00 lakhs submitted to Govt vide No. 1013 Dt: 08.10.2021 and Approval from Govt is awaited
81	Harugeri	No	SBR	6.38	DPR Submitted to Govt		DPR Rs. 8595.00 lakhs submitted to Govt vide No. 2025 Dt: 08-11-2019 and Approval from Govt is awaited
82	Athani	No	SBR	11.52	DPR Submitted to Govt		DPR Rs. 22310.00 lakhs submitted to Govt vide No. 839 Dt: 31.08.2020 and Approval from Govt is awaited
83	Annigeri	No	SBR	3.66	DPR Submitted to Govt		DPR Rs. 9340.00 lakhs submitted to Govt vide Ltr No.1030 Dt: 01-08-2019 and approval is awaited
84	Hubli - Dharwad	No	SBR	4.00	DPR Submitted to Govt		DPR Rs. 49291.00 lakhs submitted to Govt vide Ltr No. 251 Dt: 18-05-2020 Approval from Govt is awaited
85	Hubli - Dharwad	No	SBR	9.00	DPR Submitted to Govt		
86	Hubli - Dharwad	No	SBR	3.00	DPR Submitted to Govt		
87	Hubli - Dharwad	No	Phythorid	0.25	DPR Submitted to Govt		
88	Hubli - Dharwad	No	Phythorid	0.50	DPR Submitted to Govt		
89	Hubli - Dharwad	No	Phythorid	0.75	DPR Submitted to Govt		
90	Hubli - Dharwad	No	Phythorid	1.00	DPR Submitted to Govt		
				263.62			

Annexure-7

List of proposed STP in 17PRS

Sl. No.	ULB name	Is ULB under 17 polluted river stretch ? (Yes/No)	Technology of propsed STP	STP capacity Proposed (in MLD)	Status of the proposal (DPR preparation/ DPR submitted/ Tendering/ Land acquisition/ yet to start work)	Proposed date of completion	Remarks
1	Hassan	Yes	SBR	5.00	Land acquisition	18.01.2024	Work order issued on 19.01.2022. The land for constructions of STP's yet to be handed over to the board by the local body. Land acquisition is under process.
2	Hassan	Yes	MBBR	2.00	Land acquisition	18.01.2024	
3	Hassan	Yes	MBBR	2.00	Land acquisition	18.01.2024	
4	Srirangapatna	Yes	SBR	1.40	Tendering		Existing 1.39 & 2.29 MLD STP with WSP is upgraded to 5.00 MLD with SBR technology. LOA issued on 07-04-2022.
5	Nanjangudu	Yes	SBT	1.00	Yet to start work	31.12.2022	The hydraulic design and drawings are approved on 23-3-2020. All the QAPs are approved, pipes, PE chamber are supplied by the agency.
6	Nanjangudu	Yes	SBT	0.20	Yet to start work	31.12.2022	
7	Nanjangudu	Yes	SBT	0.30	Yet to start work	31.12.2022	
8	Bantwala	Yes	SBR	4.14	land aquisition		The Estimate for providing 2nd phase UGD Scheme to Bantwala town is Administratively approved by the GOK vide letter no UDD18UDS 2015 dated 30-11-2017 and Technically sanctioned by the Chief Engineer, KUWS and D Board, Mysuru vide letter no 2183 dated 16-01-2018.Out of 7 nos of wetwells, land for only two wetwells handed over by TMC to Board. Rest 5 nos. of private lands are to be handed over by TMC to the Board for construction of wetwells. Land required for STP not handed over by the TMC. Writ petition was filed by the petitioner against acquisition of land for STP-1 and wetwell-5 in the Hon'ble High court. The Hon'ble High court vacated the stay. Caveat filed by the Board in Hon'ble high court. After obtaining the required land for STP and wetwells from local authority, tender will be invited.
9	Bantwala	Yes	SBR	0.22	land aquisition		--------do--------
10	Subramanya	Yes	SBR	0.00	Tendering		DPR amounting to Rs.523.00 lakhs for Upgradation of the existing STP of 2.60 MLD capacity Aerated Lagoon type STP to SBR is Administratively approved vide GO No. UDD-01/UWL 2019/ BHA-3, Bengaluru dated 25-03-2021 as per Hon'ble NGT directions. Tender under evaluation.
11	Kanakapura	Yes		0.30	Yet to start work	One year from the date of	LOA issued on 06/04/2022. Agency has to conclude the Agreement
12	Kanakapura	Yes		0.40	Yet to start work		
13	Honnali	Yes		0	Yet to start work	One year from the date of Agreement	LOA issued on 07/04/2022. Agency has to conclude the Agreement
14	Shivamogga	Yes		0	Tendering	one year after entrustment	Agency Finalised and placed before Board for Approval
15	Bhadravathi	Yes		0	Tendering	one year after entrustment	Agency Finalised and placed before Board for Approval
16	Bhadravathi	Yes		0	Tendering		
17	Karwar CMC	Yes	SBR	3.00	Tendering is in process.		Tender notification 5th call is invited by CE (DWD) vide notification No.1853 Dtd:14.03.2022 Last date for submission of bid is on 16.04.2022.
18	Karwar	Yes	SBR	7.00	DPR Under preparation		DPR under prepration
19	Karwar	Yes	Package plant	1.00	DPR Under preparation		DPR under prepration
20	Karwar	Yes	Package plant	1.00	DPR Under preparation		DPR under prepration
21	Khanapura (TP)	Yes	MBBR	0.50	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
22	Khanapura (TP)	Yes	MBBR	0.50	Tendering		
23	Khanapura	Yes	SBR	3.70	DPR Submitted to Govt		DPR of Rs. 6657.00 lakhs submitted to Govt vide ltr No. 2026 Dt 08-11-2019
24	M.K Hubli (TP)	Yes	MBBR	0.25	Agency fixed. Work is yet to be taken up by the agency.		Agency fixed vide Tender Agreement No. 6/AGR/2021-22 Dtd : 25.02.2022. Work is yet to be taken up by the agency.
25	M.K Hubli (TP)	Yes	MBBR	0.50	Agency fixed. Work is yet to be taken up by the agency.		

26	M.K.Hubli	Yes	SBR	4.40	DPR Submitted to Govt		DPR Rs. 5466.00 lakhs submitted to Govt vide Ltr No. 1916 Dt: 28-10-2019. Approval is awaited
27	Saundatti (TP)	Yes	SBR	3.50	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
28	Saundatti (TP)	Yes	MBBR	0.50	DPR Submitted to Govt		DPR Rs. 10430.00 lakha submitted to Govt vide ltr No. 01 Dt : 02-04-2019 and approval is awaited
29	Saundatti (TP)	Yes	SBR	8.50	DPR Submitted to Govt		
30	Munavalli	Yes	MBBR	1.00	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
31	Munavalli	Yes	MBBR	0.25	Tendering		
32	Munavalli	Yes	SBR	5.30	DPR Submitted to Govt		Estimate Rs. 6876.00 lakhs submitted to Govt vide ltr No. 1917 Dt: 28-10-2019 and Approval is awaited
33	Ugarkurd (TMC)	Yes	MBBR	2.10	Tendering		The short term tender for the said work is invited by the Chief Engineer, K.U.W.S & D Board, Dharwad vide notification No. 1443 Dtd:03-01-2022 (4th Call).Negotiation is under progress.
34	Kudachi (TMC)	Yes	MBBR	2.03	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
35	Kudachi (TMC)	Yes	SBR	3.66	DPR Submitted to Govt		Estimate Rs. 7341.00 lakhs submitted to Govt vide ltr No. 1842 Dt: 19-10-2019 and approval is awaited
36	Examba (TP)	Yes	MBBR	1.45	Tendering		The short term tender for the said work is invited by the Chief Engineer, K.U.W.S & D Board, Dharwad vide notification No.1351 Dtd:16.12.2021(3rd Call).Technical evaluation is under progress.
37	Examba (TP)	Yes	SBR	2.61	DPR Submitted to Govt		DPR Rs. 7372.00 lakhs submitted to Govt vide ltr No. 1136 Dt: 17-10-2020 and approval is awaited
38	Ainapur (TP)	Yes	MBBR	1.66	Tendering		Approved in 298th Board Meeting vide proceedings No. 2163 dated 08.03.2022. LoA is to be issued.
39	Ainapur (TP)	Yes	SBR	4.37	DPR Submitted to Govt		DPR Rs. 6988.00 lakhs submitted to Govt vide ltr No. 1036 Dt: 01-08-2019 and approval is awaited
40	Chinchili (TP)	Yes	MBBR	1.67	Tendering		The short term tender for the said work is invited by the Chief Engineer, K.U.W.S & D Board, Dharwad vide notification No.1442 Dtd: 03-01-2022 (4th Call).Neogiation is under progress.
41	Chinchili (TP)	Yes	SBR	3.88	DPR Submitted to Govt		DPR Rs. 6060.00 lakhs submitted to Govt vide No. 1137 Dt: 17-10-2020 and approval is awaited
				81.29			

Annexure-8

Details of FSTP under NGT Matter OA No 673/2018						
Status of proposed FSSP						
Sl. No.	**Name of ULB**	**Is ULB under 17 polluted river stretch?**	**Technology proposed FSTP**	**Proposed capacity of Capacity in KLD**	**Status of the proposal (DPR preparation/DPR submitted /tendered/ land acquisition/work order issued)**	**Proposed date of completion**
1	Vijayapura	No	Planted Dry Bed	9	DPR are approved & tender is invited	31.08.2023
2	Pavagada	No	Planted Dry Bed	6		
3	Bangarpete	No	Planted Dry Bed	12		
4	H D Kote	No	Planted Dry Bed	6		
5	Holalkere	No	Planted Dry Bed	6		
6	Hosanagara	No	Planted Dry Bed	3		
7	Thirthahalli	No	Planted Dry Bed	3		
8	Narsimharajpura	No	Planted Dry Bed	3		
9	Alur	No	Planted Dry Bed	3		
10	Hanur	No	Planted Dry Bed	3		
11	Somavarpete	No	Planted Dry Bed	3		
12	Virajpete	No	Planted Dry Bed	6		
13	Mundagod	No	Planted Dry Bed	6		
14	Hanagal	No	Planted Dry Bed	9		
15	Alnavar	No	Planted Dry Bed	6		
16	Terdal	No	Planted Dry Bed	6		
17	Kerur	No	Planted Dry Bed	6		
18	Raybag	No	Planted Dry Bed	6		
19	Konnur	No	Planted Dry Bed	3		
20	Mudalgi	No	Planted Dry Bed	6		
21	Kallolli	No	Planted Dry Bed	3		
22	P G Mallapura	No	Planted Dry Bed	3		
23	Arabhavi	No	Planted Dry Bed	3		

24	Naganur	No	Planted Dry Bed	3		
25	Athani	No	Planted Dry Bed	12		
26	Nipani	No	Planted Dry Bed	12		
27	Puttur	No	Planted Dry Bed	15	DPR is prepared & directed for revision of estimates as per new 2022-23 SR	31.10.2023
28	Tarikere	No	Planted Dry Bed	12		
29	Boragaon	No	Planted Dry Bed	3		
30	Mulagunda	No	Planted Dry Bed	6		
31	Savanur	No	Planted Dry Bed	12		
32	Sirsi	No	Planted Dry Bed	15		
33	Aurad	No	Planted Dry Bed	6		
34	Shahabad	No	Planted Dry Bed	12		
35	Chincholi	No	Planted Dry Bed	9		
36	Afzalpur	No	Planted Dry Bed	12		
37	Shahpura	No	Planted Dry Bed	18		
38	Siraguppa	No	Planted Dry Bed	15		
39	Tekkalkote	No	Planted Dry Bed	9		
40	Kustagi	No	Planted Dry Bed	9		
41	Manvi	No	Screw press	15		
42	Basavakalyana	No	Screw press	18		
43	Karkala	No	Planted Dry Bed	6	Tendered & LOI is issued	31.06.2023
44	Vitla	No	Planted Dry Bed	9		
45	Sakaleshpura	No	Planted Dry Bed	6		

List of proposed FSTP (which is yet to get approval from Government)						
Sl. No.	**Name of ULB**	**Is ULB under 17 polluted river stretch?**	**Technology proposed FSTP**	**Proposed capacity of Capacity in KLD**	**Status of the proposal (DPR preparation/DPR submitted /tendered/ land acquisition/work order issued)**	**Proposed date of completion**
46	Hunasamaranahalli	No	Planted Dry Bed	12		
47	Chikkabanavara	No	Planted Dry Bed	12		

48	Madnayakanahalli	No	Planted Dry Bed	29		
49	Attibele	No	Planted Dry Bed	10		
50	Chandapura	No	Planted Dry Bed	12		
51	Basheetyhalli	No	Planted Dry Bed	9		
52	Vemagal-Kurugal	No	Planted Dry Bed	7		
53	Robertsonpete	No	Planted Dry Bed	39		
54	Gudibande	No	Planted Dry Bed	16		
55	Harohalli	No	Planted Dry Bed	12		
56	Holalkere	No	Planted Dry Bed	19		
57	Chalakere	No	Planted Dry Bed	13		
58	Hiriyuru	No	Planted Dry Bed	9		
59	Holalkere	No	Planted Dry Bed	11		
60	Molakalmuru	No	Planted Dry Bed	11		
61	Nayakanahatti	No	Planted Dry Bed	8		
62	Honnali	No	Planted Dry Bed	16		
63	Nyamathi	No	Planted Dry Bed	12		
64	Channagiri	No	Planted Dry Bed	19		
65	Jagaluru	No	Planted Dry Bed	13		
66	Huliyur	No	Planted Dry Bed	9		
67	Koratagere	No	Planted Dry Bed	11		
68	Madhugiri	No	Planted Dry Bed	11		
69	Anavati	No	Planted Dry Bed	8		
70	Sorba	No	Planted Dry Bed	8		
71	Shiralkoppa	No	Planted Dry Bed	16		
72	Holehonnuru	No	Planted Dry Bed	12	Not applicable	Not applicable
73	Ramnahalli	No	Planted Dry Bed	19		
74	Kadakola	No	Planted Dry Bed	13		
75	Bogadi	No	Planted Dry Bed	9		

76	Hootagalli	No	Planted Dry Bed	11		
77	Srirampura	No	Planted Dry Bed	11		
78	Peeriyapattan	No	Planted Dry Bed	8		
79	Sarguru	No	Planted Dry Bed	16		
80	Bynadoor	No	Planted Dry Bed	12		
81	Saligrama	No	Planted Dry Bed	19		
82	Ajjampura	No	Planted Dry Bed	13		
83	Kadur	No	Planted Dry Bed	9		
84	Mudigere	No	Planted Dry Bed	11		
85	Sringeri	No	Planted Dry Bed	11		
86	Someshwara	No	Planted Dry Bed	8		
87	Kinnigoli	No	Planted Dry Bed	16		
88	Kadaba	No	Planted Dry Bed	12		
89	Bajapi	No	Planted Dry Bed	19		
90	Kotekaru	No	Planted Dry Bed	13		
91	Moodabidri	No	Planted Dry Bed	9		
92	Mulki	No	Planted Dry Bed	11		
93	Yelandur	No	Planted Dry Bed	11		
94	Chanarayapatna	No	Planted Dry Bed	8		
95	Ankalagi & Akkathangeral	No	Planted Dry Bed	16		
96	Machai	No	Planted Dry Bed	12		
97	Piranwadi	No	Planted Dry Bed	19		
98	Malapura PG	No	Planted Dry Bed	13		
99	Kagawada	No	Planted Dry Bed	9		
100	Yaragatti	No	Planted Dry Bed	11		
101	Harurgeri	No	Planted Dry Bed	11		
102	Kabburu	No	Planted Dry Bed	8		
103	Kankanwadi	No	Planted Dry Bed	16		

104	Mugalkhod	No	Planted Dry Bed	12		
105	Shedbal	No	Planted Dry Bed	19		
106	Shiruru	No	Planted Dry Bed	13		
107	Lokapura	No	Planted Dry Bed	9		
108	Ameenagada	No	Planted Dry Bed	11		
109	Belagali	No	Planted Dry Bed	11		
110	Kamatgi	No	Planted Dry Bed	8		
111	Mahalingapura	No	Planted Dry Bed	16		
112	Annigeri	No	Planted Dry Bed	12		
113	Kalaghatagi	No	Planted Dry Bed	19		
114	Kundagol	No	Planted Dry Bed	13		
115	Navalagunda	No	Planted Dry Bed	9		
116	Gajendragada	No	Planted Dry Bed	11		
117	Mundargi	No	Planted Dry Bed	11		
118	Ron	No	Planted Dry Bed	8		
119	Shirahatti	No	Planted Dry Bed	16		
120	Thikota	No	Planted Dry Bed	12		
121	Babaleshwar	No	Planted Dry Bed	19		
122	Alamel	No	Planted Dry Bed	13		
123	Chadachan	No	Planted Dry Bed	9		
124	Devarahipparagi	No	Planted Dry Bed	11		
125	Kolhara	No	Planted Dry Bed	11		
126	Managuli	No	Planted Dry Bed	8		
127	Nalatavada	No	Planted Dry Bed	16		
128	Nidagundi	No	Planted Dry Bed	12		
129	Bankapura	No	Planted Dry Bed	19		
130	Bydagi	No	Planted Dry Bed	13		
131	Guthala	No	Planted Dry Bed	9	Not applicable	Not applicable

132	Shiggaon	No	Planted Dry Bed	11
133	Rattihalli	No	Planted Dry Bed	11
134	Ankola	No	Planted Dry Bed	8
135	Dandeli	No	Planted Dry Bed	16
136	Haliyal	No	Planted Dry Bed	12
137	Naregal	No	Planted Dry Bed	19
138	Jali	No	Planted Dry Bed	13
139	Siddapura	No	Planted Dry Bed	9
140	Yellapura	No	Planted Dry Bed	11
141	Manki	No	Planted Dry Bed	11
142	Jalahalli	No	Planted Dry Bed	8
143	Balagnur	No	Planted Dry Bed	16
144	Kavitala	No	Planted Dry Bed	12
145	Lingasuguru	No	Planted Dry Bed	19
146	Maski	No	Planted Dry Bed	13
147	Mudgal	No	Planted Dry Bed	9
148	Sirwar	No	Planted Dry Bed	11
149	Turvihal	No	Planted Dry Bed	11
150	Yadrami	No	Planted Dry Bed	8
151	Kamalapura	No	Planted Dry Bed	16
152	Kalgi	No	Planted Dry Bed	12
153	Wadi	No	Planted Dry Bed	19
154	Aland	No	Planted Dry Bed	13
155	Kakkera	No	Planted Dry Bed	9
156	Kembhavi	No	Planted Dry Bed	11
157	Hunsugi	No	Planted Dry Bed	11
158	Bhagyanagar	No	Planted Dry Bed	8
159	Kanakgiri	No	Planted Dry Bed	16

160	Karatgi	No	Planted Dry Bed	12		
161	Kukanoor	No	Planted Dry Bed	19		
162	Tavargera	No	Planted Dry Bed	13		
163	Yelburga	No	Planted Dry Bed	9		
164	Chitguppa	No	Planted Dry Bed	11	Not applicable	Not applicable
165	Kamlanagar	No	Planted Dry Bed	11		
166	Hulsoor	No	Planted Dry Bed	8		
167	Hagaribommanalli	No	Planted Dry Bed	16		
168	Kamalapura	No	Planted Dry Bed	12		
169	Kampli	No	Planted Dry Bed	19		
170	Kottur	No	Planted Dry Bed	13		
171	Kudathini	No	Planted Dry Bed	9		
172	Kurekoppa	No	Planted Dry Bed	11		
173	Kurugodu	No	Planted Dry Bed	11		
174	Mariyammanalli	No	Planted Dry Bed	8		

Annexure-9

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

Sl. No.	River Name	River Stretch	Monitoring Station/Location	Water Quality Data							
				Jan-22				Feb-22			
				DO	BOD	FC	TC	DO	BOD	FC	TC
1	ARKAVATHI	THIPPAGONDANA HALLI RESERVOIR TO KANAKAPURA TOWN	At D/S of Kanakapura	1.4	16	4300	54000	BDL	46	480	3500
			T.G. Halli Reservoir	5.7	4	32	1600	4.1	11	26000	35000
2	LAKSHMANTIRTHA	HUNSUR TO KATTEMALAVADI	D/S of Hunsur Town	5.2	4.6	630	2200	5.3	4.8	470	2400
			D/S of Kattemalavadi	5.1	4.8	790	2700	5.4	5.2	460	2200
3	MALAPRABHA	KHANAPUR TO RAMDURG	At D/S of Aihole Town	6.9	2.58	920	1600	6.0	1.13	920	1600
			W/A point to Hubli Dharwad at Saundatti.	7.4	1	920	1600	5.2	1.1	920	1600
			At D/S of Khanapur Village	7.7	1.74	920	1600	6.6	1.92	920	1600
			At Badami Bridge	7.1	1.98	920	>1600	6.6	1.9	920	1600
4	TUNGABHADRA	HARIHARA TO HARLAHALLI BRIDGE	At Honnali Bridge	7.2	2.3	-	-	7.3	2.5	-	-
			At Ullanur Bridge	7.8	2	140	920	7.7	2	170	920
			At Haralahalli Bridge	7	2.8	-	-	7.2	2.5	-	-
			Confluence point of Tunga and Bhadra at Kudli	7.9	2.5	-	-	8.4	2.6	-	-
			D/S of HPF	5.9	3.6	-	-	5.7	6	-	-
			At Jack Well Point	6.2	3.9	-	-	5.9	3	-	-
			At Harihar Water Supply Intake point	6.9	3.8	-	-	7	5.3	-	-
5	BHADRA	HOLEHUNNUR TO BHADRAVATHI	Near Holehonnur	7.4	3	-	-	8	2.8	-	-
			D/S of Bhadravathi City	8.3	3	-	-	6.9	3	-	-
6	CAUVERY	RANGANATHITTU TO SATHIGALA BRIDGE	At D/S of Road Bridge at Shrirangapatna	6.4	2	170	1400	6	4	270	1400
			At Ranganathittu	6.8	1.6	170	1100	6	3	220	1300
			At Satyagala Bridge	6.3	2.5	270	1200	6.4	2.5	200	1300
7	KABINI	NANJANGUD TO HEJJIGE	At Bathing Ghat, Nanjanagud	6.5	2.2	130	1100	6.2	2.7	270	1400
			Water supply intake point to T. Narasipura	6.9	1.5	120	840	6.4	2.5	170	1100
8	KAGINA	SHAHABAD TO HONGUNTA	Kagina D/S of Sewage disposal point	7.4	3	350	1600	7.4	2.5	630	2800
			At Shahabad Bridge	7.2	2	350	1600	7.2	2	280	1600
9	KALI	HASAN MAAD (WEST COAST PAPER MILL) TO BOMMANAHALLI RESERVOIR	At D/S of West Coast Paper Mills	7.7	2.4	39	120	7.8	2.3	24	63
10	KRISHNA	YADURWADI TO TINTINI BRIDGE	At D/S of Devasagar Bridge	7	3	350	1600	7	3	240	1600
			At D/S of Narayana pura Dam	7.1	1.26	540	920	6.8	1.5	920	1600
			At D/S of Ugarkhurd Barrage	6.3	1.5	920	1600	6.2	1.9	920	1600
			Ankali Bridge Along Chikkodi Kagwad Road	6.7	2	920	1600	6.7	2.0	920	1600
			D/S of Alamatti Dam	7.5	2.94	540	920	6.7	2.58	920	1600
			AT Tintini Bridge	7	2	280	1600	7.6	2	240	1600
11	SIMSHA	YEDIYUR TO HALAGUR	At D/S of Bridge Halagur	5.8	3.5	250	2200	5.8	4.2	210	1700
			Near Yediyur on NH-47	6.2	4.9	-	-	6	4	*	*
			D/s Shimsha near Madduar town	6	3	170	1300	5.6	4	430	2100
12	KRISHNA (Asangi Barrage)	ALONG ASANGI BARRAGE	Asangi Village	8.5	1.26	920	1600	6.7	2.9	920	1600
13	BHIMA	GHANAGAPUR TO YADGIR	At D/S of Bridge near Yadgir	7	3	790	3500	7	2	490	2800
			At D/S of Road Bridge Ghanagapur Village	7.2	3	630	2800	7	3	490	2400
			At Ferozabad	7.4	3	490	2400	7.2	3	280	1600

			Bhima River Confluence of Jewagri Town Sewage Disposal point	7.4	3.5	430	2200	7.2	2	240	1600
14	KUMARADHARA	ALONG UPPINANGADI	U/S Uppinagady Town Before Confluence with river Nethravathi	7.4	2	49	350	7.7	2	22	140
15	NETRAVATHI	UPPINANGADI TO MANGALURU	Thumbe water supply station to Mangaluru city	7.2	2	70	430	7.4	2	26	170
			U/s of Uppinangady town	7.4	3	45	330	7.5	3	22	170
16	TUNGA	SHIVAMOGGA TO KUDLI	At D/S of Shimoga	5	2.8	-	-	5.6	3.5	-	-
17	YAGACHI	ALONG YAGACHI , HASSAN	Yagachi River Near Pumping Station, Hassan City	4.8	2.3	270	2200	5.5	2.2	210	1600

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.

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

Name of the River	**Arkavathi River**
Polluted river stretch	**Tippagondanahalli reservoir to Kanakapura Town**
Priority	**III**
Status as on	**31st March 2022**

Overall status of the State:

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

III. Details of Sewage Treatment Plant:

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

a. Details of each existing STP in the State

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

b. Details of under construction STPs in the State

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
CMC Ramanagara	12°43'24.94"N 77°16'59.69"E	Nil	NIL	11 drains carrying sullage effluent is to be connected to wet well before Micro STP. **No Work Progress**	31.12.2021 DPR has been prepared and submitted to Govt. by the KUWS & DB for the amount of Rs.220.17 Crores for connecting missing links, wet well conditioning and up gradation of STP.
CMC Kanakapura	12°32'26.83"N 77°25'4.99"E	Nil	NIL	05 drains carrying sullage effluent is to be connected to STPs. **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	NA	NIL	NIL	NIL
CMC Kanakapura	NA	NIL	NIL	NIL
Total				

IV. Details of Industrial Pollution:

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

			Town. • River Arkavathi is polluted mainly because of discharge of untreated effluents and sewage from urban areas upstream of Thippagondana Halli Reservoir of Bangalore Urban District and the untreated effluents and sewage discharged to Vrishabhavathi Valley which originates from Bangalore Urban/BBMP area.		
**River Arkavathi is polluted mainly because of discharge of untreated effluents and sewage from urban areas upstream of Thippagondana Halli Reservoir of Bangalore Urban District and the untreated effluents and sewage discharged to Vrishabhavathi Valley which originates from Bangalore Urban/BBMP area.					
Quantity of Hazardous Sludge generated from the Industries in TPD:	0	0	2.565 MTPA	2680.152 MTPA	2682.717
Number of industrial units having ETPs:	0	0	2	31	33
Number of industrial units connected to CETP:	0	0	0	14	14
Number and total capacity of ETPs (details of existing/ under construction / proposed)	0	0	No-2 & Capacity-	31	33
Compliance status of the ETPs:	0	0	Complied	Complied	0
Number and total capacity of	0	0	0	0	0

CETPs (details of existing/ under construction / proposed)					

d. Status of compliance and operation of the CETPs

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

V. **Solid Waste Management:**

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

- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc

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

CMC-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	62
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	3 Vermi composting units under construction	1 under construction(will be completed by 31.03.2021)	4
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	NIL	NIL	NIL
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	NIL	NIL	NIL
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	11	5	17

Status of ULB wise Management of Solid Waste

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

VI. Bio-medical Waste Management:

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

VII. Hazardous Waste Management:

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

VIII. Plastic Waste Management:

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

Particulars		CMC Ramanagara	CMC Kanakapura	Total
IX.	Details of Alternate Treatment Technology being adopted by the State/UT			
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:	11Drains identified and monitored periodically	5 Drains identified and monitored periodically	16 Drains identified and monitored periodically
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:	-		
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:	NA		
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	**Annexure-1**		
XIV.	Ground water regulation:	As per the details submitted by Sr. Geologist, District Ground Water Authority, Ramanagara District for the month of August 2020, as per the circular KGA/NOC/2019-20 dated 29-05-2019 with reference to Karnataka Act 2011 U/s 17 (K), so as to fulfill the objectives of the Act, in notified taluks and non notified taluks for NOC for the purpose of industrial, commercial, entertainment, infrastructure, mining and others is made compulsory. This subject was discussed in District Ground Water Authority meeting. In this regard, as per the directions, a notice has been issued to obtain NOC for extracting groundwater from Karnataka Ground Water Authority / District Ground Water Authority. **<u>Status of Ground Water Resource Assessment in Annexure-2</u>**		
XV.	Good irrigation practices being adopted by the State:	The Dept. of Agriculture and Horticulture have submitted action plan for implementation of following measures. • Farmers are made aware to use water optimally. 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:	Treated water is being utilized for onland for Gardening/ Irrigation/Recycled for process/Toilet Flushing
XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	NA
XXIII. Status of Preparation of Action Plan by the 13 Coastal States:	NA
XXIV. Regulation of Mining Activities in the State/UT:	Nil
XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	Nil
XXVI. Overall progress of the month: Please provide overall progress achieved in terms of all the above points compared to previous month.	

Annexure-1

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

Sl. No.	Details of Water Quality Monitoring locations as per NWMP	Year	DO(mg/l)	BOD(mg/l)	Fecal Coliform (MPN/100 ml)	Total Coliform (MPN/100 ml)
1	Thippagondanahalli reservoir	**March-2022**	2.3	30	-	240 X 10^2
2	Downstream of Kanakapura	**March-2022**	4.4	9.0	84 X 10^2	1600 X 10^2

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
Regional Office-Ramanagara

Format for submission of monthly Progress report by States/ UTs for the Month March-2022
(Hon'ble NGT in the matter of OA No. 673/2018, Dated: 06/12/2019)
(Tamadaddi village to Chikkapdasalagi Village – 33 Kms stretch of Krishna River, Bagalkot District)

Name of the River : Krishna River
Polluted river stretch : Tamadaddi village to Chikkapdasalagi Village – 33 Kms stretch of Krishna River, Bagalkot District
Priority : V
Status as on : March-2022

Overall status of the State:

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

a. Urban Population:

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

b. Rural Population:

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

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

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

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

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

Details of each existing STP in the State

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

Details of under construction STPs in the State

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

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
01.	TMC-Terdal, Jamakhandi-Tq, Bagalkot-Dist.	0.75MLD	DPR Stage	DPR Stage

IV. Details of Industrial Pollution:

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

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

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

V. **Solid Waste Management:**

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

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

- **Current Municipal Solid Waste Generation:**

  The details are enclosed as Annexure-1.

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc**

  The details are enclosed as Annexure-1.

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

  Nil

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

  Nil

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

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

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

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

  The details are enclosed as Annexure-1.

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

  Nil

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

  Nil

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

  Nil

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
CMC, Rabakavi-Banahatti, Jamakhandi-Tq, Bagalkot-Dist	26	26	Vermi Composting	26TPD	---
TMC, Terdal, Jamakhandi-Tq, Bagalkot-Dist	13	0	No Vermi Composting has been practiced. Only landfill site is provided.	0	---

VI. Bio-medical Waste Management:

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

VII. Hazardous Waste Management:

- **Total Hazardous Waste generation:** 3.45TPD
- **No. of Industries generating Hazardous waste:** 05
- **Treatment Capacity of all TSDFs:** Nil
- **Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:** Nil
- **Details of on-going or proposed TSDF:** Nil

VIII. Plastic Waste Management:

- **Total Plastic Waste generation:** 3.46TPD
- **Treatment/ Measures adopted for reduction or management of plastic waste:** Nil

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

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

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

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

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

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

Krishna River

Name of the River: Krishna River

Name of the Station: Asangi Barrage

Station Code: 2763

Sl No.	Month/Parameters	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
1	Dissolved Oxygen	7	6.5	6.1	6.3	6.4	6.5	7.0	6.5	6.8	8.5	6.7
2	BOD	2.62	2.1	1.02	1.02	1.55	1.27	1.32	1.38	1.14	1.62	2.94
3	Total Coliforms	1600	>1600	1600	920	1600	1600	1600	1600	>1600	1600	>1600
4	Fecal Coliforms	920	920	920	540	540	920	920	920	920	920	920
5	Fecal Streptococci	540	540	540	350	350	540	540	350	540	540	540
6	Conductivity	1020	1010	380	448	390	518	530	767	588	700	752

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 Flood plain 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: ----

ENVIRONMENTAL OFFICER
RO, KSPCB, BAGALKOT

Annexure-I

Status of Solid Waste Management & Details of Processing Facilities:

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

ENVIRONMENTAL OFFICER,
RO, KSPCB, BAGALKOT

National Mission for Clean Ganga

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

For the State of Karnataka

Name of the River : Bhadra River
Polluted river stretch : 10Km
Priority : IV
Status as on : 31.03.2022

Overall status of the State:

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

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

II. Estimated Sewage Generation (MLD): 20 MLD

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

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

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

Capacity Utilization of existing STPs: 2.05 MLD

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

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	City Municipal Council, Bhadravathi Jatpat Nagara, Bhadravathi, Shivamogga Dist	5.83 MLD	2MLD	Working	Complied
2	City Municipal Council, Bhadravathi Sy.no.77/P,75/P,75/1P,741/P,64/P,58/1, Seegebagi, CN Road,Bhadravathi, Shivamogga Dist	7.2MLD	0	Not- Working	-
3	City Municipal Council, Bhadravathi,Sy.No.13, WardNo.22,Ujjipura, Bhadravathi,Shivamogga	1MLD	0.05 MLD	Working	Complied

Details of under construction STPs in the State

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

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
-	-	-	-	-

IV. Details of Industrial Pollution:

- No. of industries in the State:

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

1. MPM is not working since 6 years.
2. VISL is working intermittently. BF and SMS unit are not working since 5 years.
3. Bhadra Packaids is recycling waste water and comply.

- No. of water polluting industries in the State: 3
- Quantity of effluent generated from the industries in MLD: -

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

.

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

Not Applicable (Shivamogga Dist is not having any CETP.

Status of compliance and operation of the CETPs

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

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population:

  1 - City Municipal Council, Bhadravathi. Population is 151102

  Current Municipal Solid Waste Generation is about 53.8 TPD.

- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), 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	45 TPD	Plant & Machineries installation work is under process . Work completed on July-2022

VI. Bio-medical Waste Management:

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

VII. **Hazardous Waste Management:**

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

Not Applicable (Shivamogga Dist is not having TSDF Site)

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

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

- 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. This Office is collecting the River Water Samples every month at 4 locations.

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:

Adaption 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 : 05.04.2022
Overall status of the State:

I. Total Population: Urban Population & Rural Population separately : **25,686**

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: **2.77MLD**
- 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	**Kabini**
Polluted river stretch	**Nanjungud to Hejjige**
Priority	**IV**
Status as on	**March 2022**

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 Statusof STP	Compliance Status of STP
CMC Nanjangud	Sy. No. 24/1, Golur Village, Nanjangud Taluk	7 MLD	2 MLD	Operational	Complied

Details of under construction STPs in the State

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

Details of proposed STPs in the State

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

IV. Details of Industrial Pollution:

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

Status of compliance and operation of the CETPs

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

V. **Solid Waste Management:**

Particulars	CMC Nanjangud
Total number of Urban Local Bodies and their Population	**50137**
Current Municipal Solid Waste Generation	**26 TPD**
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc	Compost Plant around 6 TPD.
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	Composting gap Existing-6 TPD, Gap-4.66 TPD Sanitary landfill site Existing- Nil, Gap-6.24 TPD
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	31 wards, all are with door to door collection and source segregation is practiced in 24 wards.
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	DPR for Rs. 5.16 Crores is approved to provide sanitary land fill site to dispose 6.24 TPD of rejects and around 9.1 TPD of Dry Waste is segregated and sold in the Market. Proposals for providing 10 TPD compost plant is to be prepared & got it approved. The work of construction of sanitary landfill site is in progress.
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	NIL
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	NIL
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	5 nos. of drains out of which 2 drains are connected to nearby wet well and 3 drains works are yet to be undertaken.

Status of ULB wise Management of Solid Waste

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

Bio-medical Waste Management:

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

VI. Hazardous Waste Management:

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

VII. Plastic Waste Management:

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

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

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

XV. Overall progress of the month: 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. c) District level meeting on Polluted river stretches was held on 3-3-2021 under the Chairmanship of Minister C.P Yogeshwar. As per the directions of Minister Local Bodies were directed to use the available funds of the CMC to divert the Missing links of sewage to STP d) Short term tender notification has been called by the KUWS&DB through E-procurement portal tender no: KUWSDB/2021-22/WS/WORK_INDENT2943 on 06-04-2021 with respect to rejuvenation of UGD systems, construction/ upgradation of STPs, providing sewer networks and outfall sewer lines, construction of wetwells, providing rising mains and other related works along with operation and maintenance of STPs as per NGT directions e) As per the proceedings of the meeting conducted on 24.09.2021 under the chairmanship of Hon`ble Subhash Adi Former Judge, High Court of Karnataka and Upa Lokayuktha, Government of Karnataka and Chairperson National Green Tribunal State Level Committee Karnataka Constituted by Hon`ble NGT in OA No 606/2018 , "Missing links sewage effluent discharged into storm water drain shall be diverted to nearby STPs /Wet wells by providing interception and diversion system by adopting low cost treatment facilities", the same is communicated to ULB`s for further action. **f) Flow data given by Chief Engineer CNNL Irrigation South Mysore, Cauvery Neeravari Nigama Limited wrt daily Gauge report of Kabini. As per the report the inflow of the Kabini river is 1707 cusecs as on 04.12.2021**

Annexure-1

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

Sl. No.	Particulars of sampling locations as per NWMP	Year	DO(mg/l)	BOD(mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
1	D/s of Kabini at Nanjangud Water Supply Intake Point near Debur	**Mar-22**	6.5	2.5	170	1100
2	D/S of Kabini from KIADB W/s Intake Point Kallahalli	**Mar-22**	6.9	1.4	68	700
3	D/s of Kabini near Bathing Ghat, Nanjangud	**Mar-22**	6.2	3.0	250	1300

National Mission for Clean Ganga

Format for submission of Monthly Progress Report in the NGT Matter

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

For the State of Karnataka

Name of the River : KAGINA RIVER
Polluted river stretch : Shahabad to Hongunta -10KM
Priority : IV
Status as on : 05.04.2022
Overall status of the State:

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

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: **7.06MLD**
- 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)

Overall status of the State:

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

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

II. Estimated Sewage Generation (MLD): 8.5MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD):
  Existing STP-NIL.
  In Dandeli CMC limit maximum no. of individual houses are having ST & SP for toilet blocks. Now, authority has proposed 100% UGD with STP. UGD laying and STP work is under progress, the CMC-Dandeli has committed to complete the work in two year.
- Capacity Utilization of existing STPs: NA
- MLD of sewage being treated through Alternate technology:
  In Dandeli CMC limit maximum no. of individual houses are having ST & SP for toilet blocks.
- Gap in Treatment Capacity in MLD: 8.5 MLD (Remarks- Individual houses are having ST and SP for toilets. However, washings and other waste water (sullage) of about 2-3 MLD are being discharging to drains and ultimately joins the Kali River.
- 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-75% And STP-80%	Under progress	2022

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	NIL	NA	NA	NA

IV. Details of Industrial Pollution:

- No. of industries in the State: 1
- No. of water polluting industries in the State: 1
- Quantity of effluent generated from the industries in MLD:
  Present maximum quantity of effluent generation is about 55MLD (consented 85.885MLD).
- Quantity of Hazardous Sludge generated from the Industries in TPD:
  15.0 KL/Annuam
- Number of industrial units having ETPs: 1
- Number of industrial units connected to CETP: NIL
- Number and total capacity of ETPs (details of existing/ under construction / proposed): 01,
  85.885 MLD capapcity and is under operation.
- Compliance status of the ETPs: Complied.
- Number and total capacity of CETPs (details of existing/ under construction / proposed): Not Applicable.
- Status of compliance and operation of the CETPs: Not Applicable

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

V. Solid Waste Management:

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

- Current Municipal Solid Waste Generation: 18 TPD
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc:
  CMC is practicing the system of door to door collection of segregated municipal solid waste. The wet waste is composted (vermin compost) in the identified the solid waste disposal site, the dry recyclable waste such as Plastic waste and E-waste are

segregated and sent to recyclers. However, they are yet to provide sanitary landfill facility for the disposal of inerts. Construction of sanitary landfill site is under progress. The CMC is yet to identify a dedicated site for processing and disposal of Construction and demolition waste generated in the town.

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%): Adequate
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction): NIL- The CMC is yet to identify a dedicated site for processing and disposal of Construction and demolition waste generated in the town. At present C & D wastes were being collected and stored in SWM site premises.
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source:

  Total 31 wards practicing door to door collection service, and practicing segregation at source.
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology): NIL
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills. NIL
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers: NIL
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:

  5Nos and all are provided with screens.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
CMC-Dandeli	18	17	Vermi -Composting, Wind Row flat form, Dry Waste segregation and collection shed.	17TPD	Landfill construction 80% completed.

VII. Bio-medical Waste Management:

- Total Bio-medical generation: 5MTA
- No. of Hospitals and Health Care Facilities: 36
- Status of Treatment Facility/ CBMWTF: There is a Common Biomedical waste treatment Facility in the district by name M/s. Kenara IMA common bio-medical Waste Treatment Facility which is collecting the biomedical waste from this town

also. Health care establishments have made MoU with the Common facility and they in turn pick up the waste and disposing in their facility.

VIII. Hazardous Waste Management:

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

IX. Plastic Waste Management:

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

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

XI. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment: In Dandeli CMC limit maximum no. of individual houses are having ST & SP for toilet blocks. Now, authority has proposed 100% UGD with STP. UGD laying and STP work is under progress, the CMC-Dandeli has committed to complete the work by July 2022. 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 8 number of District Level Special Environment Surveillance Task Force Meetings were conducted under the Chairmanship of Deputy Commissioner.

XIV. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; **Attached as Annexure-1**

XV. Ground water regulation:

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

XVI. Good irrigation practices being adopted by the State:

Yes- Farmers are practicing micro irrigation technologies as a part of good irrigation practices. Adoption of Micro irrigation practices for all the crops and

making Micro irrigation technology easily accessible at the rural level. Usage of ground water should be minimized and after installation and operation of STP by CMC-Dandeli, the treated sewage shall be utilized for irrigation activity in the surrounding area. Farmers being insisted to adopt mirco-irrigation practice to reduce the water requirements.

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

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

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

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

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

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

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

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

Information furnished in the format in OA No. 829/2019 through email on 29/9/2020 and Action plan forwarded to Board Office on 10/12/2020. District Level Special Environment Surveillance Meeting held on 17/12/2021 and in this meeting along with polluted river stretch, discussion held on Coastal pollution with concern departments.

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

Being monitored and regulated by Department of Mines and Geology.

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

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)	Nitrite (mg/l)
	Karkal Hana	21/04/2021	6.8	2.4	81	BDL	BDL	0.2	0.005	1.9	BDL
		20/05/2021	6.7	2.2	58	BDL	BDL	0.2	0.006	1.3	BDL
		21/06/2021	6.9	2.5	69	BDL	BDL	0.2	0.007	1.9	BDL
		7/7/2021	7.2	2.3	61	BDL	BDL	0.2	0.009	1.5	BDL
		5/8/2021	6.7	2.4	112	BDL	BDL	0.2	0.01	2.4	BDL
		2/9/2021	7.4	2.2	69	BDL	BDL	0.2	0.008	2	BDL
		5/10/2021	7.2	2.1	54	BDL	BDL	0.2	0.006	2.2	BDL
		8/11/2021	6.9	2.3	58	BDL	BDL	0.2	0.005	2.5	BDL
		8/12/2021	6.8	2.1	60	BDL	BDL	0.2	0.007	2.2	BDL
		19/1/2022	7.1	2.2	56	BDL	BDL	0.2	0.006	1.9	BDL
		3/2/2022	6.9	2.1	67	BDL	BDL	0.2	0.007	2.3	BDL
		4/3/2022	**7.1**	**2.3**	**63**	**BDL**	**BDL**	**0.2**	**0.006**	**2.2**	**BDL**
	Upstream of Halmadi Nalla (before sewage entry)	21/04/2021	7.3	2.5	74	BDL	BDL	0.2	0.005	2.6	BDL
		20/05/2021	7.1	2.3	70	BDL	BDL	0.2	0.006	2.3	BDL
		21/06/2021	7.2	2.6	66	BDL	BDL	0.2	0.008	1.6	BDL
		7/7/2021	6.9	2.8	59	BDL	BDL	0.2	0.009	1.2	BDL
		5/8/2021	7.2	2.5	117	BDL	BDL	0.2	0.008	2.7	BDL
		2/9/2021	7.3	2.4	73	BDL	BDL	0.2	0.007	2.3	BDL
		5/10/2021	7.2	2.3	57	BDL	BDL	0.2	0.006	2.1	BDL
		8/11/2021	6.9	2.4	61	BDL	BDL	0.2	0.007	2.8	BDL
		8/12/2021	6.8	2.2	54	BDL	BDL	0.2	0.005	2.3	BDL
		19/1/2022	7.1	2.3	59	BDL	BDL	0.2	0.006	2.2	BDL
		3/2/2022	6.9	2.5	70	BDL	BDL	0.2	0.008	2.5	BDL
		4/3/2022	**7.3**	**2.3**	**64**	**BDL**	**BDL**	**0.2**	**0.009**	**2.4**	**BDL**
	Upstream of Barchi Nalla	21/04/2021	7.1	2.2	52	BDL	BDL	0.2	BDL	1.3	BDL
		20/05/2021	6.9	2.4	59	BDL	BDL	0.2	0.007	1.6	BDL
		21/06/2021	7.1	2.6	66	BDL	BDL	0.2	0.009	1.8	BDL
		7/7/2021	7.2	2.3	60	BDL	BDL	0.2	0.01	1.9	BDL
		5/8/2021	7.3	2.6	130	BDL	BDL	0.2	0.011	2.3	BDL
		2/9/2021	7.3	2.3	81	BDL	BDL	0.2	0.009	2.1	BDL
		5/10/2021	7.5	2.1	52	BDL	BDL	0.2	0.005	1.6	BDL
		8/11/2021	7.1	2.2	58	BDL	BDL	0.2	0.006	2.4	BDL
		8/12/2021	6.9	2.3	62	BDL	BDL	0.2	0.008	2.7	BDL
		19/1/2022	7.1	2.1	68	BDL	BDL	0.2	0.007	2.8	BDL
		3/2/2022	7.2	2.2	66	BDL	BDL	0.2	0.006	2.2	BDL
		4/3/2022	**7.2**	**2.1**	**60**	**BDL**	**BDL**	**0.2**	**0.005**	**2.1**	**BDL**
	Downstream of Barchi Nalla at Maulangi	21/04/2021	7.2	2.3	56	BDL	BDL	0.2	BDL	1.5	BDL
		20/05/2021	6.8	2.5	61	BDL	BDL	0.2	BDL	1.7	BDL
		21/06/2021	7.2	2.7	65	BDL	BDL	0.2	0.009	1.5	BDL
		7/7/2021	7.1	2.5	56	BDL	BDL	0.2	0.011	1.6	BDL
		5/8/2021	7.2	2.7	140	BDL	BDL	0.2	0.01	2.6	BDL
		2/9/2021	7.4	2.5	165	BDL	BDL	0.2	0.011	3.1	BDL
		5/10/2021	7.1	2.3	61	BDL	BDL	0.2	0.007	2.3	BDL
		8/11/2021	7	2.2	62	BDL	BDL	0.2	0.006	2.7	BDL
		8/12/2021	6.8	2.4	65	BDL	BDL	0.2	0.009	2.9	BDL
		19/1/2022	6.9	2.3	61	BDL	BDL	0.2	0.007	2.5	BDL
		3/2/2022	7.1	2.4	70	BDL	BDL	0.2	0.009	2.7	BDL
		4/3/2022	**7.2**	**2.5**	**75**	**BDL**	**BDL**	**0.2**	**0.008**	**3.1**	**BDL**

Sd/-
Environmental Officer
KSPCB, RO, Karwar

Annexure-1

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

SL. No	Locations	Date Of sampling	pH	BOD(mg/l)	Fecal Coliform (MPN/100ml)	Total Coliform (MPN/100ml)
	Halmadi Nalla, Dandeli 15.245756 N, 74.635991 E	7/4/2021	6.8	15	-	-
		21/06/2021	7.1	18	-	-
		7/7/2021	6.5	22	63	278
		5/8/2021	6.9	18	58	253
		2/9/2021	6.8	15	76	278
		5/10/2021	6.7	18	196	348
		8/11/2021	6.6	21	177	343
		8/12/2021	6.7	18	-	-
		19/1/2022	6.8	24	177	348
		3/2/2022	6.7	26	240	426
		4/3/2022	**6.8**	**28**	**148**	**278**
	Bailpar Bridge Cross, Old Dandeli 15.235565 N, 74.617418 E	7/4/2021	6.7	21	-	-
		21/06/2021	6.9	17	-	-
		5/8/2021	6.9	21	84	348
		2/9/2021	7.2	19	-	-
		5/10/2021	7.1	17	240	426
		8/11/2021	6.8	15	212	345
		8/12/2021	6.8	19	-	-
		19/1/2022	6.7	17	175	426
		3/2/2022	6.8	22	148	426
		4/3/2022	**6.7**	**19**	**172**	**345**
	Opp Gate-3 of West Coast Paper Mills Ltd, Dandeli 15.246695 N, 74.630080 E	7/4/2021	6.8	12	-	-
		21/06/2021	6.9	15	-	-
		7/7/2021	6.7	19	58	221
		5/8/2021	6.9	15	48	212
		2/9/2021	6.9	17	49	221
		5/10/2021	6.9	14	184	345
		8/11/2021	6.8	16	221	348
		8/12/2021	6.6	13	-	-
		19/1/2022	6.7	15	221	420
		3/2/2022	6.8	18	177	345
		4/3/2022	**6.7**	**24**	**212**	**426**
	Mirachigalli Bridge, Old Dandeli 15.243819 N, 74.622409 E	7/4/2021	6.8	17	-	-
		21/06/2021	6.7	22	-	-
		7/7/2021	6.8	20	84	345
		5/8/2021	6.8	14	76	278
		2/9/2021	6.9	18	84	278
		5/10/2021	7.1	16	240	426
		8/11/2021	6.8	17	253	503
		8/12/2021	6.8	15	-	-
		19/1/2022	6.9	13	221	480
		3/2/2022	6.8	15	212	486
		4/3/2022	**6.9**	**22**	**253**	**542**
	Behind DSFA, Patel Nagar bridge, Dandeli 15.248093 N, 74.605713 E	7/4/2021	6.8	16	-	-
		21/06/2021	6.8	19	-	-
		7/7/2021	7.1	17	70	348
		5/8/2021	6.8	15	70	345
		2/9/2021	6.7	21	94	426
		5/10/2021	6.9	18	280	542
		8/11/2021	6.9	21	278	542
		8/12/2021	6.7	17	-	-
		19/1/2022	6.8	15	253	503
		3/2/2022	6.6	17	253	151
		4/3/2022	**6.7**	**25.8**	**221**	**542**

Sd/-

Environmental Officer

KSPCB, RO, Karwar

Annexure-1

River Kali-Analysis report of water sample collected from Kali River under MINARS programme(April-2021 to March-2022)

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)
April'21	7.4	7.8	2.4	27	120	8	7.5	7.6	2.7	39	161	12
May'21	7.3	7.2	2.3	26	109	6	7.4	7.8	2.5	33	148	10
June'21	7.3	7.8	2.5	27	130	8	7.5	7.4	2.8	36	154	12
July'21	7.6	7.7	2.4	26	120	8	7.7	7.5	2.6	34	141	11
Aug'21	7.2	7.7	2.6	32	130	11	7.6	7.5	2.7	37	145	14
Sept'21	7.2	7.3	2.4	36	141	15	7.4	7.5	2.6	41	162	17
Oct'21	7.4	7.8	2.2	29	120	12	7.5	7.6	2.5	36	136	14
Nov'21	7.2	7.6	2.4	32	109	14	7.4	7.7	2.6	39	130	17
Dec'21	7.2	7.8	2.3	33	94	17	7.4	7.7	2.5	34	109	19
Jan'22	7.1	7.8	2.2	22	70	15	7.2	7.7	2.4	39	120	17
Feb'22	6.9	7.8	2.3	24	63	12	7.1	7.5	2.6	*27*	*74*	14
March'22	**7.2**	**7.3**	**2.2**	**21**	**78**	**10**	**7.3**	**7.7**	**2.5**	**34**	**109**	**18**

Sd/-

Environmental Officer
KSPCB, RO, Karwar

Annexure-2

Status of E-Flow of River - Kali (daily average in Cusecs for the month of March 2022)

21-Apr	21-May	21-Jun	21-Jul	21-Aug	21-Sep	21-Oct	21-Nov	21-Dec	**22-Jan**	22-Feb	**22-Mar**
4819.4	5263.48	3785.109	3196.32	3233.0	3284.32	3235.80	2622.6	2622.61	4255.22	5948.81	**7261.74**

Sd/-

Environmnetal Officer

RO, KSPCB, 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 : March-2022

Overall status of the State:

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

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

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

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

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

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

Details of under construction STPs in the State

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

Details of proposed STPs in the State

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

IV. Details of Industrial Pollution:

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

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

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

V. **Solid Waste Management:**

- Total number of Urban Local Bodies and their Population : **Enclosed as Annexure- II**
- Current Municipal Solid Waste Generation: **Enclosed as Annexure- II**
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc: **Enclosed as Annexure- II**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) : **Nil**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction): **Nil**

- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : **60 No. of Words**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) : ----
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills:--
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers: --
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers: ---

Status of ULB wise Management of Solid Waste

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

VI. Bio-medical Waste Management:

- Total Bio-medical generation: **133.5 Kg/day**
- No. of Hospitals and Health Care Facilities: **Devadurga Tq-59 HCE's , Lingasugur Tq- 106 HCE's, Hutti TP- 04 Nos & Hutti Notified Area- 01.**
- Status of Treatment Facility/ CBMWTF: **Above BMW waste is treated in RIMACT facility, Raichur.**

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:

  1. **Cyanide Tailing- 6,38,540 Tons & stowing sand of 79,152 Tons, (Total 5,59,388 Tons of Cyanide treated ore waste impound in tailing dump).**
  2. **Used Oil- 74 liters**
  3. **Discarded Containers-7112 nos.**
     (As per Annual Report From-IV submitted for the year 2019-20).

- No. of Industries generating Hazardous waste: **01**
- Treatment Capacity of all TSDFs : **Nil**
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated : **Nil**
- Details of on-going or proposed TSDF: **Nil**

VIII. Plastic Waste Management:

- Total Plastic Waste generation:

  1. **TMC Devadurga -2TPA (0.005 TPD)**
  2. **TMC Lingasugur - 6.1Ton/A (0.016,TPD)**
  3. **Hutti TP - 0.5TP/A ((0.001,TPD)**
  4. **Hutti Notified Area -0.38 TP/A (0.001 TPD)**

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

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

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

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

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

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

XIV. Ground water regulation: ----

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

XVI. Rain Water Harvesting: -----

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

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

XIX. Plantation activities along the rivers: ------

XX. Development of biodiversity park: ------

XXI. Reuse of Treated Water: -----

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

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

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

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

XXVI. Overall progress of the month: -----

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

Annexure-1

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

Annexure-II

Sl. No	Name of Local Body	Population (census2011)	Total Solid Waste Generation	Proposed Achievable target	Present Status
1	TMC-Deodurga, DeodurgaTq, Raichur Dist.	28929	6 T	Directions were given to all the concerned Local Bodies to take immediate action to comply with SWM Rules, 2016 from time to time. Target date to comply is 31.12.2020.	MSW Site Existing
2	TMC Lingasugur, LingasugurTq, Raichur Dist.	34932	14.4 T		MSW Site Existing
3	Hutti TP, LingasugurTq, Raichur Dist.	16278	6 T		MSW Site Existing
4	Hutti Notified Area, LingasugurTq, Raichur Dist.	13536	8 T		MSW siteexisting. Further, in Hutti Gold Mines, the wet waste is being digested and bio gas is being produced and utilized for canteen.

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

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

Status of Water Quality of River – Krishna @ Tintani Bridge

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

Annexure-IV

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

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

National Mission for Clean Ganga

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

For the State of Karnataka

Name of the River : Malaprabha River
Polluted river stretch : Khanapur to Ramdurg
Priority : III
Status as on : As on 31.03.2022.

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: : **4.5MLD**
- 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	4.5MLD	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	75 %	There is no provision in the sanctioned estimate	May-2022.

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	Khanapur	1.00	The TP, Khanapur has proposed 1 MLD (MBBR) STP. The estimates are prepared and approved by KUWS & DB. The appointing of contractors is under progress. Copy is enclosed.	Tender under progress & yet to be awarded.
2	Munavalli	5.30	DPR submitted to the Govt. For Approval vide Central Office Ltr No.1917, Dtd:28.10.2019. Tender is invited . Copy enclosed. STP site selection is completed.	Tender under progress & yet to be awarded.
3	M.K. Hubli	4.40	DPR submitted to the Govt. For Approval vide Central Office Ltr No.1916, Dtd:18.05.2020. Tender is invited . Copy enclosed. STP site selection is completed.	Tender awarded to M/s. Dev Engineers, Mumbai.
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. Tender is invited . Copy enclosed. STP site selection is completed.	Tender under progress & yet to be awarded.

IV. Details of Industrial Pollution:

- No. of industries in the State: :**04**
- No. of water polluting industries in the State: :**NIL**
- Quantity of effluent generated from the industries in MLD: :**2684.6 (KLD)**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **0.00335 (KLPD)**
- Number of industrial units having ETPs: : **04**
- Number of industrial units connected to CETP: : **No CETP.**
- Number and total capacity of ETPs (details of existing/ under construction / proposed): **Existing.**
- Compliance status of the ETPs:**Complied**
- Number and total capacity of CETPs (details of existing/ under construction / proposed) :**NA**
- Status of compliance and operation of the CETPs: **NA**

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population: **06 & Population-1,92,404.**
- Current Municipal Solid Waste Generation: **68 (TPD).**
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc: 06 , Number, installed capacity & utilization of existing MSW processing facilities are **submitted in table-1**.
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction): **Nil**

- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source:**Total no. of wards—138, 137 (D-D collection),92 no. of wards practicing segregation at source.**

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology):**Proposed at M K Hubli.**

- No. and area (in acres) of uncontrolled garbage dump sites and Sanitary Landfills: Already submitted & e**nclosed in the Annexures-1.**

- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers: Already submitted & e**nclosed in the Annexures-1.**

- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers: **Enclosed in the Annexures-I. TP, Khanapur has proposed 1 MLD MBBR, STP—enclosed as Annexure-II.**

Table-1

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Bailhongal	18	05	Compound wall, borewell, connecting road, windrow platform, sanitary land fill, weigh bridge,dry waste collection centre, Mansoon shed, Tree plantation, Plastic	17.25 TPD	----

			bailing m/c, segregation & shredding M/cs,		
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	6 Months

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 CBMWTFs.**

VII. M/s.Belgaum Green Environment Management Ltd, Haroogoppa-Murgod Cross, Savadatti-Tq, Belagavi-Dist and, 2. M/s.Rio Green, Hubballi. The existing M/s. Association of Medical Establishments, Khasbag, Belagavi-Tq & Dist, closed due to non-compliances.

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

- **Total Hazardous Waste generation:** 0.0038 KLPD.
- **No. of Industries generating Hazardous waste:** 04.

- **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.

IX. Plastic Waste Management:

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

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

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

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

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

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

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

XIV. Ground water regulation: Already submitted.

XV. Good irrigation practices being adopted by the State:

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

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

4. Making Ground Water extraction beyond a specific limit punishable under the Act (Not allowing Bore well 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:

: STP's Status :

1. **TP, Khanapur, TP, Munavalli & TMC, Soundatti**: Tender under progress & yet to be awarded.
2. **TMC, Ramdurg**: May-2022 (Completion time line).
3. **TP, M K Hubli:** Tender awarded to M/s. Dev Engineers, Mumbai.

The samples collected and analysis reports for the month of March-2022 is enclosed along with this report.

AN ISO 9001:2015 and 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-೦೧
೧ ನೇ ಮುಖ್ಯ ರಸ್ತೆ, ಆಟೋ ನಗರ,
ಕಣಬರ್ಗಿ 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/2021-22/ 06 Date: 8/4/22

NAME OF THE STATION : River water
SAMPLE COLLECTED BY : E. O. Belgaum.
DATE OF RECEIPT : 02-03-2022 (1566). 07-03-2022 (1617-1619).
PARTICULARS OF SAMPLE :1566-Malaprabha River water sample collected at Hubli-Dharwad Water abstraction point at Saundatti. 1617-Markandeya River Rakksakoppa Reservior, Rakkasakoppa. 1619-Malaprabha River D/s of Khanapur Town.

Sl No.	Sample No.s / Parameters	Units	1566	1617	1619
GENERAL OBSERVATIONS					
I	Station Code		1164	4098	1187
II	Date of Collection		01/03/2022	05/03/2022	05/03/2022
III	Time of Collection		12.10 pm	02.10 pm	11.20 am
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		None	None	None
X	Human activities		Swimming	WSP	-
XI	Location Details				
LAB ANALYSIS		Units			
1	Temperature	°C	26	24	24
2	Dissolved oxygen	mg/l	6.6	7	5.2
3	pH		7.56	7.23	7.25
4	Conductivity	uMhos/cm	480	272	204
5	BOD	mg/l	1.38	1.62	2.1
6	Nitrate as NO_3	mg/l	5.06	4.31	3.51
7	Ammonia As N	mg/l	BDL	BDL	BDL
8	Total Coli	mpn/100ml	1600	1600	1600
9	Faecal Coli	mpn/100ml	920	920	920
10	Faecal Streptococci	mpn/100ml	540	540	540
11	Turbidity	ntu	4.9	11	4
12	Pheno Alkalinity	mg/l	Nil	Nil	Nil
13	Total Alkalinity	mg/l	132	68	52
14	Hardness as Ca CO_3	mg/l	108	48	92
15	Calcium as Ca	mg/l	52	16	36
16	Magnesium as Mg	mg/l	56	40	28
17	Chlorid as Cl	mg/l	52	40	28
18	Sulphate as SO_4	mg/l	9	22	7
19	Sodium as Na	mg/l	29	3	8
20	Pottasium as K	mg/l	1.13	1.17	1.93
21	Total Dissolved Solids	mg/l	280	160	120
22	Fixed Dissolved Solids	mg/l	80	40	40
23	Total Suspended Solids	mg/l	5	10	10
24	Phosphate as P	mg/l	0.034	0.033	0.036
25	Fluoride as F	mg/l	0.226	0.232	0.136
26	COD	mg/l	36	56	64
27	TKN as N	mg/l	BDL	BDL	BDL
28	Boron as B	mg/l	Nil	Nil	Nil
29	**Class**		**C**	**C**	**C**
30	**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

Scientific Officer
Regional Laboratory
Karnataka State Pollution Control Board
Belgaum.

National Mission for Clean Cauvery

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

Name of the River	**Cauvery**
Polluted river stretch	**Ranganathittu to Sattegala Bridge**
Priority	**IV**
Status as on	**March -2022**

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	Nil	Nil	1	Nil	**4**
No. of Non-complying STPs:	Nil	1	Nil	Nil	Nil	Nil	Nil	**1**

- **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	Operational	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 (Complied)
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 (non-complying)
CMC, Kollegala	Sy No.930, 934, 946 & 935, Mullur Road, Kollegal Taluk	9.0 MLD	6 MLD	Operational	As per the MRP submitted by CMC Kollegal for the month of December-2021: STP is under Operation the missing UGD links in the networks have been identified and are being laid by the water board. The entire UGD network and other sources of sewage generator have been connected to the STP (Complied)

Details of under construction STPs in the State

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
TMC Srirangapatna	Ganjam, Srirangapatna.	Up gradation of existing 3.6 MLD STP to 5 MLD	Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 16.30 Crores to divert the sewage discharged in to river	Proposals submitted to Government for taking up I&D works to reconnect the sewage in to nearby wet wells and	31-03-2021

		with SBR Technology	through storm water drain. Connecting household to UGD by 3000 houses. Up gradation of existing 3.6 MLD STP to 5.0 MLD. The DPR is approved and tender is under process.	household UGD connections for 3000 houses.	
TMC, T Narasipura	Sy. No. 65/1, Byrapura & Algudu Village, T.N.Pura Taluk, Mysuru	Nil	Nil	4 drains carrying sullage effluent is to be connected to wet well before Micro STP. **No Work is in Progress.**	31-03-2021
TMC, Bannur	Sy. No. 174/1, 174/2, Yedahalli Village, Bannur Hobli, Bannur, Mysuru	0.49 MLD	DPR prepared by KUWS&DB, Mysuru for Rs. 58 Crores for laying UGD network for new extension and to upgrade the existing STP to 3.8 MLD with SBT Technology.	50% of the town limit is connected to UGD & the remaining houses are yet to be connected. The sewage effluent from Makanahalli Extension is disposed off in to Septic tank and the same is transported to STP for further treatment & disposal.	31-03-2021
GP, Mulluru	-	-	-	Proposed to provide Common Septic tank and soak pit by diverting the sullage joining to river. **No Work is in Progress.**	31-03-2021
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. As per the MPR for the March 2021 received from CMC, Kollegal: The missing Links in the sewer network are	Laying UGD network is in progress & after completion of the same sewage discharge in to storm water drain is avoided. **Work is in progress.** Presently, 9 MLD STP is under operation & not receiving full quantum of sewage because of the missing links. UGD works is completed but the house to sewer network connection is partially completed. As per the MPR submitted by the CMC Kollegala the connection of entire sewer network and other sources of generation of sewage have been connected to the STP barring the isolated areas of Hosa Anagalli, Shankanapura, Upparamole and Bendarahalli and	31-03-2021

			being attended to and the proposed wet wells in separate areas away from the city like Hosaanagalli, Shankanapura ,budithittu and Bendarahalli have been dropped and new technology based decentralized local treatment units have been proposed for the said areas which will take some time for implementation and commissioning. Stipulating the time limit as August- 2021. **No Work is in Progress.**	Boodititu. The earlier proposed wet wells have been dropped at Hosa Anagalli, Shankanapura, Upparamole and Bendarahalli and Boodititu and new technology based decentralized local treatment units in the form of mini STP have been proposed for the said area. Hence CMC kollegala has soughted time till Aug 2021 for the establishment and commissioning of the proposed mini STP's. **No Work is in Progress.**	
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 3000 houses. Up gradation of existing 3.6 MLD STP to 5.0 MLD. The DPR is approved and tender is under process.	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	Upgradation the existing STP to 3.8 MLD with SBT Technology.	DPR prepared by KUWS&DB, Mysuru for Rs. 58 Crores for laying UGD network for new extension and to upgrade the existing STP to 3.8 MLD with SBT Technology.	March - 2021
GP, Mulluru	GP, Mulluru	2 drains is identified & monitored. ZP Chamarajanagar has	Proposed to provide Common Septic tank	March - 2021

		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 Jan 2022.**	and soak pit by diverting the sullage joining to river. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath mission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullage for the villages located along the banks of Cauvery river. No Work is in Progress. As per the letter submitted by Executive Officer, Taluk Panchayath, Kollegal on 03/01/2021, stating that the Construction of the septic tank and soak pit as per IS 2470 by the end of March 2022 is being prepared and submitted action plan to the Zilla Panchayat Office for approval.	
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 Jan- 2021.**	Proposed to provide Common Septic tank and soak pit by diverting the sullage joining to river. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath mission budget is sanctioned for providing septic tank and soak pit and phyto remediation technique for treatment of sullage for the villages located along the banks of Cauvery river. **No Work is in Progress.**	March - 2021
Yedkuri Village (GP Satthegala)	Yedkuri Village (GP Satthegala)	Nil	Nil	March - 2021
CMC, Kollegala	CMC, Kollegala	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 Jan 2021.**	Proposed to provide Common Septic tank and soak pit by diverting the sullage joining to river. The Executive Officer, Taluk Panchayath, Kollegala has submitted a letter stating that under Swatch Bharath mission budget is sanctioned for providing septic tank and soak pit and phyto remediation	-

			technique for treatment of sullage for the villages located along the banks of Cauvery river. **No Work is in Progress.**	

IV. Details of Industrial Pollution:

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	2	Nil
Quantity of effluent generated from the industries in MLD:	0.0196	0.027	0.027	Nil	Nil	0.0178	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	2 (1 no. Sri Sai Automobiles, Kollegal, 1 No. Partally provided grit Chamber as a part of ETP KSRTC Kollegal)	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–2, Capacity-0.0178 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	Status of ETPs	Status of CETPs (existing, under construction &

		discharge		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. The work is assigned to contractor and out of 22 works,12 works are completed and remaining 10 works	DPR for Rs. 1.06 Crores is approved to provide compost plant & sanitary land fill site. The work is under progress. At present the solid waste is dumped in the site without any treatment.	DPR for Rs. 4.13 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. One zero waste management site has been established. At present the solid waste is dumped in the site without any treatment.	Nil	Nil	DPR is approved for Rs. 2.5 Crores for procurement of machinery & other accessory to initiate composting & sanitary land fill site maintenance.	Nil

	are under progress.						
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	• Door to door collection 23/23 Wards. • Segregation practice-19 Wards	• Door to door collection 23/23 Wards. • Segregation practice-13 Wards	• Door to door collection 23/23 Wards. • Segregation practice-6 wards	Nil	Nil	• Door to door collection 31/31 Wards. • Segregation practice-28	Nil
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	Nos. of drains 3 Nos. of drains having floating racks / screen – Nil	Nos. of drains 2 Nos. of drains having floating racks / screen – Nil	Nos. of drains 4 Nos. of drains having floating racks / screen – Nil	Nos. of drains 2 Nos. of drains having floating racks / screen – Nil	Nos. of drains 5 Nos. of drains having floating racks / screen – Nil	Nos. of drains1 Nos. of drains having floating racks / screen – Nil	Nos. of drains 1 Nos. of drains having floating racks / screen – Nil

Status of ULB wise Management of Solid Waste

Name of the ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
TMC Srirangapatna	11.17	1.5	Pit Composting	1.5	DPR for Rs. 4.40 Crores is approved for processing of entire MSW. Currently, the work is assigned to contractor and out of 22 works,12 works are completed and remaining 10 works are under progress.
TMC, T Narasipura	10	0	Pit Composting	0	SWM DPR prepared under swaccha Bharath Mission is approved and action is being taken up as per DPR . One zero waste management site has been established. Timeline -30-03-2021
TMC, Bannur	8.9	1.5	Pit Composting,	1.5	DPR has been prepared under SBM and it is in the

					implementation stage. The work is under progress. Timeline -30-03-2021
GP, Mulluru	1.2	0	Nil	0	No action plan
GP Harale (Dasanapura & Harle Village)	0.6	0	Nil	0	No action plan
CMC, Kollegala	21.0	2.0	Composting is carried out	2.0	As per the MPR March 2021 submitted by the CMC Kollegala, Construction of compound wall, processing Shed, windrow platform, internal roads, Sanitary Land Fill(SLF), drain, watch man shed is completed. Electrification, drilling of Borewell, installation of machineries, are under tender process and sought Completion Timeline on April 2021. Presently segregated is being dump separately at land fill site. Wet waste is processed for compost. Bio-medical waste is being handled by private CBMWTF. Land has been indentify for set up of decentralized waste management
Yedkuri Village (GP Satthegala)	0.1	0	Nil	0	No action plan
Total	**52.97**	**5.0**		**5.0**	

VI. Bio-medical Waste Management:

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

VII. Hazardous Waste Management:

Particulars	**TMC Srirangapatna**	**TMC Bannur**	**TMC Narasipura**	**GP Mullur**	**GP Harale (Dasanapura & Harle**	**CMC Kollegala**	**GP Satthegala (Yedkuri Village)**

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

					physical progress	**physical progress**	diverted to STP for further treatment & disposal. The work is under progress.	
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:	CMC Kollegala : As per the details submitted by Sr. Geologist, District Ground Water Authority, Chamarajanagar for the month of March 2021, as per the circular KGA/NOC/2019-20 dated 29-05-2019 with reference to Karnataka Act 2011 U/s 17 (K), so as to fulfill the objectives of the Act, in notified taluks and non notified taluks for NOC for the purpose of industrial, commercial, entertainment, infrastructure, mining and others is made compulsory. This subject was discussed in District Ground Water Authority meeting. In this regard, as per the directions, notices has been issued to obtain NOC for extracting groundwater from Karnataka Ground Water Authority / District Ground Water Authority.. **<u>Status of Ground Water Resource Assessment in Annexure-2</u>**						
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:	-
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) TMC Srirangatapna - DPR is prepared by KUWS&DB, Mandya Division for Rs. 16.30 Crores to divert the sewage discharged in to river through storm water drain. Connecting household to UGD by 3000 houses. Up gradation of existing 3.6 MLD STP to 5.0 MLD. The DPR is approved and tender is under process. b) CMC Kollegala – Presently, 9 MLD STP is under operation & not receiving full quantum of sewage because of the missing links. UGD works is completed but the house to sewer network connection is partially completed. As per the MPR submitted by the CMC Kollegala the connection of entire sewer network and other sources of generation of sewage have been connected to the STP barring the isolated areas of Hosa Anagalli, Shankanapura, Upparamole and Bendarahalli and Boodititu. The earlier proposed wet wells have been dropped at Hosa Anagalli, Shankanapura, Upparamole and Bendarahalli and Boodititu and new technology based decentralized local treatment units in the form of mini STP have been proposed for the said area. Hence CMC kollegala has soughted time till October 2021 for the establishment and commissioning of the proposed mini STP's. c) As per the MPR submitted by the CMC Kollegala, Construction of compound wall, processing Shed, windrow platform, internal roads, Sanitary Land Fill(SLF), drain, watch man shed is completed. Electrification, drilling of Borewell, installation of machineries, are under tender process and sought Completion Timeline on April 2021.**No Work is in Progress.** d) As per the letter from Executive Officer, Taluk Panchayath, Kollegala dated 3-1-2022, stated within March 2022 the Septic &

	Soak pit as per IS 2470 will be constructed. e) 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. f) 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 Zor expanding the same along with sanitary land fill sites construction are under progress. g) District level meeting on Polluted river stretches was held on 3-3-2021 under the Chairmanship of Minister C.P Yogeshwar. As per the directions of Minister Local Bodies were directed to use the available funds of the CMC to divert the Missing links of sewage to STP **h) Short term tender notification has been called by the KUWS&DB through E-procurement portal tender no: KUWSDB/2021-22/WS/WORK_INDENT2943 on 06-04-2021 with respect to rejuvenation of UGD systems, construction/ upgradation of STPs, providing sewer networks and outfall sewer lines, construction of wetwells, providing rising mains and other related works along with operation and maintenance of STPs as per NGT directions**

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)	Totalcoliform (MPN/100 ml)
1	D/S of river Cauvery in Ranganathittu Bird sanctuary, SR Patna Taluk, Mandya District	March-22	6.4	2.8	210	1400
2	D/s of left bank of river Cauvery in Mandya Water Supply Intake Point near SR Patna Taluk, Mandya District	March-22	6.1	3.5	140	1200
3	D/s of right bank of river Cauvery in Srirangapatna Water Supply Intake Point near Wellesly Bridge TMC SR Patna, Mandya District	March-22	6.0	3.8	170	1300
4	D/S of river Cauvery in Mysore-Bangalore Road Bridge of TMC Srirangapatna, Mandya District	March-22	6.0	4.0	260	1500
5	D/S of river Cauvery Bannur TMC Water supply intake point near Mysore- Bannur Road bridge, T.Narasipura Taluk, Mysore District	March-22	6.7	2.5	140	1200
6	D/S of river Cauvery near Mullur Village, Kollegala Taluk, Chamarajanagar District	March-22	6.5	2.5	110	1100
7	D/S of Cauvery river near Dasanapura Village, Kollegala Taluk, Chamarajanagar District	March-22	6.6	2.8	170	1100
8	D/S of Cauvery river near Sathegala Bridge,Kollegala Taluk, Chamarajanagar District	March-22	6.8	2.5	210	1400

ANNEXURE-2

XIV Status of Ground Water Resource Assessment in Annexure-2

District	Taluka	NetAnnual Ground Water Availability (HAM)	Total Ground Water Draft (HAM)	Gap between availability andDraft (HAM)	Stageof 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:-ThegroundwaterresourcesassessmentiscarriedoutonTalukawise (Administrative Units) The State Govt. hastakenup various Recharge/WaterConservationSchemes like foraugmentationofgroundwaterresources.						

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	**March 2022**

Overall status of the State:

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

III. Details of Sewage Treatment Plant:

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

Details of each existing STP in the State

Name of the Local Body	Location	Existing STP Capacity	Capacity Being Utilized	Operational Statusof STP	Compliance Status of STP
CMC Hunsur	Kalukunike Village,Hunsur Taluk	3.91 MLD	3.91 MLD	Operational	Non-complying

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:	**4Nos**
Number of industrial units connected to CETP:	**0**
Number and total capacity of ETPs (details of existing/ under construction / proposed)	No. of ETP–4, Capacity-0.019 Under construction–0, Capacity-0 Proposed–0. Capacity-0
Compliance status of the ETPs:	Complied
Number and total capacity of CETPs (details of existing/ under construction / proposed)	0

Status of compliance and operation of the CETPs

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

V. **Solid Waste Management:**

Particulars	CMC Hunsur
Total number of Urban Local Bodies and their Population	**50850**
Current Municipal Solid Waste Generation	**23 TPD**
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc	• Composting Existing – 9.43 Gap – Nil • Sanitary landfill Existing–Nil Gap – 5.52
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DPR for Rs. 1.76 Crores is approved to provide compost plant & sanitary land fill site & the same is to be undertaken. At present the solid waste is dumped in the site without any treatment.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	0
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	• Door to door collection 31/31 Wards. Segregationpractice-20 Wards
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Nil
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	NIL
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	NIL
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	Nos. of drains 2 Nos. of drains having floating racks / screen – Nil

Status of ULB wise Management of Solid Waste

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

VI. Bio-medical Waste Management:

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

VII. Hazardous Waste Management:

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

VIII. Plastic Waste Management:

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

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

	State/UT:	
II.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	**Status of water quality of polluted rivers in Annexure-1.**
III.	Ground water regulation:	As per the District Ground water Authority data submitted for the year 2020 in their Hand Book CMC Hunsur comes under safer zone as per ground water resources assessment and there is no over exploitation of ground water in the region**.**
IV.	Good irrigation practices being adopted by the State:	---
V.	Rain Water Harvesting:	**Rain water harvesting is made mandatory for new constructions, CMC has taken up awareness programmes to educate the people about river flooding during Monsoon**
VI.	Demarcation of Floodplain and removal of illegal encroachments:	During the month of September Paper advertisements were issued to the residents located on the banks on the river 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. c) District level meeting on Polluted river stretches was held on 3-3-2021 under the Chairmanship of Minister C.P Yogeshwar. As per the directions of Minister Local Bodies were directed to use the available funds of the CMC to divert the Missing links of sewage to STP d) As per the proceedings of the meeting conducted on 24.09.2021 under the chairmanship of Hon`ble Subhash Adi Former Judge, High Court of Karnataka and Upa Lokayuktha, Government of Karnataka and Chairperson National Green Tribunal State Level Committee Karnataka Constituted by Hon`ble NGT in OA No 606/2018 , "the missing links sewage effluent discharged into storm water drain shall be diverted to nearby STPs /Wet wells by providing interception and diversion system by adopting low cost treatment facilities" the same is communicated to ULB`s for further action. e) Short term tender notification has been called by the KUWS&DB through E-procurement portal tender no: KUWSDB/2021-22/WS/WORK_INDENT2943 on 06-04-2021 with respect to rejuvenation of UGD systems, construction/ upgradation of STPs, providing sewer networks and outfall sewer lines, construction of wetwells, providing rising mains and other related works along with operation and maintenance of STPs as per NGT directions. **Qualified tender agencies proposal has to be placed for technical evaluation committee for approval.**

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)	Totalcoliform (MPN/100 ml)
1	D/S of Lakshmantheertha in New road bridge of Bengaluru-Bhantwala Road at Hunsur town	**March-22**	5.4	4.4	480	2200
2	D/S of Lakshmantheertha at water barrage near Kattemalalavadi Village	**March -22**	5.7	4.2	470	2200

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		**March -2022**
Overall status of the State:		
I	Total Population : Urban Population & Rural Population Separately	47,327 (As per 2011 census) (***The Population is consider within the polluted river stretch of length 55KM)***
	Urban Population	40,155
	Rural Population	7,172
II	Estimated Sewage Generation (MLD):	5.1 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:		5.1MLD
• 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	7172
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	All local bodies have submitted action plan

Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	with time line to bridge gap between Installed Capacity and Current Utilization of processing facilities through District environmental plan as per the NGT Order wrt O.A.360 of 2018.
• No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction	There is no C&D waste processing plants.
• Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	Total No. of wards-38 Door to Door Collection-35 Segregation at Source-23 (As submitted by ULBs in DEP)
• Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	**NIL**
• No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	**Nil**
• No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	**Nil**
• No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	8

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Bantwala	14	12.2	• Windrows System for	100%	Proposed

TMC			wet waste • MRF for dry waste		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. ➢ 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. ➢ Awareness regarding segregation of COVID-19 and non-COVID-19 WASTE and biomedical waste generated from houses is being given to public by local bodies as per the directions of KSPCB. ➢ Meeting of District Level Special Task Force (STF) was held on 29.12.2021 under the Chairmanship of Deputy Commissioner, D.K (Meeting conducted by Sri Channabasappa, ADC,D.K District) to review the progress with respect to implementation Solid Waste Management Rules 2016.	

Sd/-

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	**March - 2022**

Overall status of the State:

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

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

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

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

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

Details of under construction STPs in the State:

Name of the Local Body	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I & D or House sewer connections	Completion Timeline
TMC Maddur	Hole Anjanaiah swamy Temple Road, Maddur	Up gradation of existing 3.5 MLD STP to 6.0 MLD with Aeration Technology	Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 50.15 Crores to divert the sewage discharged into river through storm water drain. Connecting household to UGD by 4000 houses & construction of 2 nos. of wet wells. Upgradation of existing 3.5 MLD STP to 6.0 MLD. The DPR is approved & work has been assigned to KUWS&DB by the Government.	KUWS&DB has issued work order vide dtd on 15-04-2020 to contractor and 950 nos. of manholes and wet well & pump house roof slab concrete completed.	14-04-2022

Details of proposed STPs in the State

Name of the Local Body	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
TMC Maddur	Hole Anjanaiah swamy Temple Road, Maddur	Up gradation of existing 3.5 MLD STP to 6.0 MLD.	Revised DPR is prepared by KUWS&DB, Mandya Division for Rs. 50.15 Crores to divert the sewage discharged into river through storm water drain. Connecting household to UGD for 4000 houses & construction of 2 nos. of wet wells and Upgradation of existing 3.5 MLD STP to 6.0 MLD. About 60 % of the work has been completed.	14-04-2022

IV. Details of Industrial Pollution:

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

Status of compliance and operation of the CETPs:

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

V. **Solid Waste Management:**

Particulars	TMC Maddur
Total number of Urban Local Bodies and their Population	28,902
Current Municipal Solid Waste Generation	10 TPD
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio-methanation, MRF etc	• Composting Existing – 0.0 Gap – 4.1 TPD • Sanitary landfill Existing–Nil Gap – 2.4 TPD
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DPR for Rs. 5.25 Crores is approved to provide compost plant & sanitary land fill site & the same is under progress. 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-18 Wards
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	-
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	-
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	-
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	Nos. of drains - 1 Nos. of drains having floating racks / screen – Nil

Status of ULB wise Management of Solid Waste

Name of the ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
TMC Maddur	10	3.0	De centralized pit composting	3.0	DPR for Rs. 5.25 Crores (Civil work- 4 crore & vehicles 1.25 crores) with 12 % GST & work order for processing of entire MSW waste is issued on 23-03-2020 and currently the civil work is assigned to the contractor and about 50% of the work is completed.

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 nearby 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. **Status of Ground Water Resource Assessment in Annexure-2**
XV. Good irrigation practices being adopted by the State:	The Dept. of Agriculture has submitted action plan for implementation of following measures. • General Government Practice of Irrigation is maintained in the Maddur Taluk. • Farmers are made aware to use water optimally.
XVI. Rain Water Harvesting:	The Department of Revenue and Irrigation have prepared District Disaster Management Plan for the Flood Plains of river Shimsha which is also covered under polluted river stretch. In order to overcome Flood Plains people of nearby villages are warned through early warning arrangement in consultation with revenue department. Further measures required for Flood Plain Management in the polluted river stretch will be implemented.
XVII. Demarcation of Flood plain and removal of illegal encroachments:	
XVIII. Maintaining minimum e-flow of river:	The Cauvery Neeravari Nigam Ltd., is requested to submit the action plan as per MoEF & CC norms during monsoon seasons and same is not yet 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 and the same is not yet submitted. The status of the existing and proposed bio diversity parks and its implementations will be executed in coordination with the Forest Department.
XXI. Reuse of Treated Water:	Treated water is used on land for irrigation.
XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	-
XXIII. Status of Preparation of Action Plan by the 13 Coastal States:	-
XXIV. Regulation of Mining Activities in the State/UT:	-
XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	-
XXVI. Overall progress of the month:	a) With respect to treatment & disposal of sewage effluent the LB's have taken

Please provide overall progress achieved in terms of all the above points compared to previous month.	steps to operate the existing STPs & action plan for up gradation of the existing STPs is being prepared by KUWS&DB. KUWS&DB has issued work order vide dtd on 15-04-2020 to contractor and 950 nos. of manholes and wet well & pump house roof slab concrete completed. About 60% of the work has been completed. **No progress.** b) With respect to Solid Waste Management by Municipalities, steps have been taken to 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. About 50% of the work is completed. **No progress.**

Annexure-1

XIII. Latest water quality of polluted river stretch for the month of Jan-2022

Sl. No.	Details of Water Quality Monitoring locations as per NWMP	Year	DO (mg/l)	BOD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
1	D/S of river Shimsha near Bangalore-Mysore Road Bridge Maddur, Maddur Tq, Mandya District	**March-2022**	5.5	4.3	480	2200
2	D/s of river shimsha near Halgur Road Bridge, Malavalli Tq, Mandya District	**March-2022**	5.7	4.2	470	2200

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 : 31.03.2022

Overall status of the State:

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

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

II. Estimated Sewage Generation (MLD): 47.79MLD

III. Details of Sewage Treatment Plant:

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

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

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

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Sy.no.27/1,28P,32,33, 34,35 & 36, Thyvarechatnhalli,	35.58 MLD	13MLD	Working	Complied

	Shivamogga Tq &Dist				
2	City Corporation, Shivamogga,Sy.No.33/ P1, Purle village,Shivamogga Tq & Dist	5.13MLD	0.52MLD	Working	Complied

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ghandi Park,Shivamogga City,Shivamogga	0.05MLD	95%	-	June-2022

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
-	-	-	-	-

IV. Details of Industrial Pollution:

- No. of industries in the State:

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

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

  : -

- Compliance status of the ETPs: -

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

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

V. **Solid Waste Management:**

- Total number of Urban Local Bodies and their Population:

  1 - City Corporation, Shivamogga. Population is 322650

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

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

  Smart City Shivamogga has taken up 7 works (Drains) to divert during summer season.(I & D Work).
  Further KUWS&DB, Shivamogga has taken up I and D (Interception & Diversion) Works and it is under tender stage.

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	150 TPD (2 Shifts)	75TPD(Considering 8 hr Shift) and they operate the unit in two shifts to process the MSW	75TPD(Considering 8 hr Shift) and they operate the unit in two shifts to process the MSW	Nil

VI. Bio-medical Waste Management:

- Total Bio-medical generation : 1174 Kg/day
- No. of Hospitals and Health Care Facilities: Total No of Hospitals and Health Care Facilities is 431 including 90 No bedded HCF,336 No non bedded HCF and 5 Veterinary Hospital.
- Status of Treatment Facility/ CBMWTF : The Shivamogga Dist is having one CBMWTF i.e.M/s.Shushrutha Biomedical Waste Management Society®, Plot.No.31/C, Machenahalli Indl Area, Bhadravathi Tq,Shivamogga Dist.
  The unit has obtained Consent and Authorization from the Board for the period up to 30.06.2025.

VII. Hazardous Waste Management:

- No. of Industries generating Hazardous waste : 38
- Treatment Capacity of all TSDFs:

  Not Applicable (Shivamogga Dist. is not having TSDF)
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: Not Applicable
- Details of on-going or proposed TSDF: Not Applicable

VIII. Plastic Waste Management:

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

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

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

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

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 all collected drains and Bore well samples during December 2020. This Office is collecting the River Water Samples every month at 2 Locations.

XIV. Ground water regulation:

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

XV. Good irrigation practices being adopted by the State:

Adoption of micro irrigation practices such as drip/sprinkler.

XVI. Rain Water Harvesting:

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

XVII. Demarcation of Floodplain and removal of illegal encroachments:

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

XVIII. Maintaining minimum e-flow of river:

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

XIX. Plantation activities along the rivers:

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

XX. Development of biodiversity park:

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

XXI. Reuse of Treated Water: --

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

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

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

Mines & Geology Dept is monitoring Sand Mining activity

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

XXVI. Overall progress of the month:---

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 : 31.03.2022

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: **4 No's**
- No. of Non-complying STPs: **2**

Details of each existing STP in the State

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1	Davangere CC	14.8	10	Operating	**Complied**
2	Davangere	20	16	Operating	**Complied**
3	Davangere	20	16	Operating	**Complied**
4	Davangere	5	3	Operating	**Complied**
5	Harihara CMC	18	6.8	Operating	**Non-Complying**
6	Honnalli	3.3	2.5	Operating	**Non-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
-	-	-	-	-	-

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: **50.**
- Quantity of effluent generated from the industries in MLD: **61.1437 MLD.**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **0.2 TPD.**
- Number of industrial units having ETPs: **50.**
- 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	50	32,400 KLD	Operating and Complied with the Consent conditions	NIL

V. Solid Waste Management:

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

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

- Current Municipal Solid Waste Generation –

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

- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc.
  Windrow Platform – 2,
  Vermi composting – 4,
  Biogas – 1.

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%). - **Nil**

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

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

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

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

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

  - **Nil**

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

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

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Davangere CC	200 TPD	200 TPD	Leachate Treatment Plant , windrow platform, composting and vermi composting facilities	200 TPD	-
Harihar CMC	25 TPD	22 TPD	Provided Biogas facility, composting and vermi composting	20 TPD	-
Honnalli TMC	6.63 TPD	6.63 TPD	No Facilities	6.63 TPD	-
Channagiri TMC	09 TPD	09 TPD	Provided Composting and Vermi composting	09 TPD	-
Malebennur TMC	08 TPD	08 TPD	No Facilities	08 TPD	-
Jagalur TP	7.23 TPD	7.23 TPD	Provided windrow platform, composting and vermi composting	7.23 TPD	-

VI. Bio-medical Waste Management:

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

VII. Hazardous Waste Management:

- Total Hazardous Waste generation :

  ETP sludge – 0.2 TPD
  Cotton waste - 0.05 TPCB
  Used oil – 2.5 KL/ Annum
  Used oil filters – 2 MT/Annum
- No. of Industries generating Hazardous waste: **27**
- 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	March- 2022

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. Special Environment Task Force meeting was conducted on 01.02.2022. Proceedings of the same is enclosed.
CMC, Hassan	Sy No 86 &100, Bittagondanahalli village Hassan Tq & Dist	10MLD	10MLD	Operational	
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 Government for Rs. 14 Crores to divert the sewage discharged in to river through storm water drain. Up gradation of existing	31.12.2022

			2.7 MLD STP to 5.0 MLD.	
CMC, Hassan	a)Existing 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 Government 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.	31.12.2022

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

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	0.0	0.0
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

***-Sewage**

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 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 Belur	8	1	Pit Composting	1	ULBs have been informed to submit the time line for completion.
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 temporary treatment until new treatment is established	1 drain identified proposed to provide temporary 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 are no biodiversity parks in Hassan & Belur Taluks. The Forest Department is requested to submit action plan for the proposed bio diversity parks. The status of the existing and proposed bio diversity parks and its implementations will be executed by September 2021 in coordination with the Forest Department
XXI. Reuse of Treated Water:	-
XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	-
XXIII. Status of Preparation of Action Plan by the 13 Coastal States:	-
XXIV. Regulation of Mining Activities in the State/UT:	-
XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	-
XXVI. Overall progress of the month: Please provide overall progress achieved in terms of all the above points compared to previous month.	a) With respect to treatment & disposal of sewage effluent the LB's have taken steps to operate the existing STPs & action plan for up gradation of the existing STPs is being prepared by KUWS&DB & the same is yet to be approved by the Government. b) With respect to Solid Waste Management by Municipalities, steps have been taken process the Solid Waste with the existing compost facilities and works followed by tendering for expanding the same along with sanitary land fill sites construction are under progress.

Annexure-1

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

Sl. No.	Details of Water Quality Monitoring locations as per NWMP	Year	DO (mg/l)	BOD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
1	Yagachi, Haluvagilu pump house, Hassan	**Mar-22**	5.4	2.4	270	1700
2	Yagachi river, Belur (abt 200mtrs from STP)	**Mar-22**	2	4.8	460	3500

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 2022.