TAMILNADU POLLUTION CONTROL BOARD

From	To
Dr. S.Selvan M.E, M.B.A, Ph.D, Member Secretary, Tamil Nadu Pollution Control Board, No.76, Mount Salai, Guindy, Chennai-600 032.	The Additional Chief Secretary to Govt, Environment and Forests Department, Government of Tamil Nadu, Secretariat, Chennai- 600 009.

Lr.No.TNPCB/DDL/F-6849/PRS-MPR/2019/dated: 02.03.2021.

Sir,

Sub: TNPCB-For ensuring compliance to the Hon'ble NGT order dated 06.12.2019 in O.A No.673 of 2018-Revised Monthly Progress Report for the month of December- 2020 on Action Plans for the Polluted River Stretches in Tamil Nadu to the Central Monitoring Committee, NMCG, Ministry of Jal Shakti-Submitted-Regarding.

Ref: 1) CPCB Lr.No.F.No.A-14011/OA 673/2020-WQM-I/ 12178/ dt.4.2.2020.
2) Office Memorandum-Legal/O.A 673 of 2018/ NMCG/2019/ dt.05.02.2020.
3) E&F D.O. Letter No.23238/EC.1/2018-28 dated 09.07.2020.
4) Office Memorandum-Legal/O.A-673 of 2018/ NMCG/ 2020/ dt.08.10.2020.

With reference to the Memorandum 4th cited, the Revised Monthly Progress Report for the month of January 2021 on Action Plans for the Polluted River Stretches in Tamil Nadu in the prescribed format is enclosed herewith for kind perusal and necessary action please.

It is requested that the above report may be forwarded to Executive Director-Technical, National Mission for Clean Ganga, Ministry of Jal Shakthi, Delhi with a copy to Central Pollution Control Board, Delhi.

Encl: As above

Sd/- S.Selvan
Member Secretary

Deputy Director (Labs)

Advance Copy to: The Executive Director-Technical, National Mission Clean Ganga, (Ministry of Jal shakti Department of Water Resources, River Development & Ganga Rejunvenation, Government of India), First floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002.

Copy to: File

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Format for Submission of Monthly Progress Report by the State of Tamil Nadu

(Hon'ble NGT in the matter of OA No.673/2018 dated 06.12.2019)

January 2021

Sl. No.	Progress report submitted by department	Enclosures
1.	Commissionerate of Municipal Administration (CMA) & Chennai Metrowater Supply and Sewage Board (CMWSSB)	Enclosed vide Annexure –I
2.	Director of Town Panchayat (DTP)	Enclosed vide Annexure –II
3.	Department of Panchayat Raj and Rural Development (DRD&PR)	Enclosed vide Annexure –III
4.	Public Works Department PWD&WRD	Enclosed vide Annexure –IV
5.	Tamil Nadu Pollution Control Board	Enclosed vide Annexure –V

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 Tamil Nadu

Month : January 2021

Overall status of the State:

I. Total Population : 72.14 million

Urban Population : 34.95 million

Rural Population : 37.19 million

II. a. Estimated Sewage Generation (MLD): 3729.16 MLD (STATE)

b. Estimated Sewage Generation (MLD): 388.351 MLD (PRS)

III. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	State	PRS
1	Existing No. of STPs and Treatment Capacity (in MLD)	69 1623.5	12 260.79
2	Capacity Utilization of existing STPs	988	122.8
3	MLD of sewage being treated through Alternate technology	752	1.56
4	Gap in Treatment Capacity in MLD	1353.6	126.0
5	No. of Operational STPs	68	12
6	No. of Complying STPs	66	12
7	No. of Non-complying STPs	2* & 1**	Nil
8	Existing No. and Capacity of FSTP (in MLD)	11 270.054	1

Note: * Two STPs at Thiruchendur TP and Palanichettypatti TP are in Trial Run

**One STP at Vandipatti, construction Completed & power connection is to be obtained.

1. **Details of each existing STP in the Chennai-CMWSSB**

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Nesapakkam STP Zone – IV	23	11.73	Operational	Complied
2	Koyambedu STP Zone – III	34	33.15	Operational	

3	Kodungaiyur STP Zone II	80	70.45	Operational	Parameters Range
4	Kodungaiyur STP Zone I	80	71.97	Operational	pH – 6.5 to 8.5
5	Perungudi STP Zone - V	12	10.47	Operational	BOD - < 20 mg/l
6	KoyambeduSTP Zone - III	60	29.30	Operational	COD – ≤ 250 mg/l
7	Kodungaiyur STP Zone I& II	110	100.18	Operational	TSS - < 30 mg/l
8	Nesapakkam STP Zone – IV	40	37.23	Operational	Faecal Coliform – 10000MPN/100 ml
9	Perungudi STP Zone – V	54	57.29*	Operational	
10	Perungudi STP Zone – V	60	63.37*	Operational	
11	Nesapakkam STP Zone – IV	54	64.79*	Operational	
12	Koyambedu STP Zone – III	120	68.78	Operational	* Due to monsoon rainfall, the flow has been increased.
13	Sholinganallur STP	18	4.43	Operational	
Total		**745**	**623.12**		

2. Details of each existing STP in the State & PRS -CMA

S. No	Location	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
1	Coimbatore- 1	70.00	35.00	Operational	Complied
2	Coimbatore- 2	60.00	5.00	Operational	Complied
3	Vellore	10.28	7.50	Operational	Complied
4	Dindigul	13.65	3.00	Operational	Complied
5	Avadi	4.00	2.50	Operational	Complied
6	Madurai-1	45.70	18.50	Operational	Complied
7	Madurai-2	125.00	20.0	Operational	Complied
8	Thanjavur	28.05	14.15	Operational	Complied
9	Tiruppur	15.00	7.50	Operational	Complied
10	Cuddalore	12.25	6.50	Operational	Complied
11	Kanchipuram	14.50	13.50	Operational	Complied
12	Maraimalai Nagar	2.20	1.80	Operational	Complied
13	Pallavapuram	(CMWSSB STP 115@Perungudi)		Operational	Complied
14	Tiruvallur	6.20	3.60	Operational	Complied
15	Chidambaram	9.44	2.10	Operational	Complied
16	Thiruvannamalai	8.70	4.50	Operational	Complied

17,18	Viluppuram - 2Nos	12.50	8.60	Operational	Complied
19	Arakkonam	11.04	2.00	Operational	Complied
20	Thirupathur	11.43	2.50	Operational	Complied
21	Bodinayakkanur	12.08	4.00	Operational	Complied
22	Chinnamanur	3.99	3.72	Operational	Complied
23	Periyakulam	5.47	5.47	Operational	Complied
24	Ramanathpuram	7.00	5.80	Operational	Complied
25	Rasipuram	6.96	0.10	Operational	Trial Run
26	Theni-Allinagaram	12.05	6.50	Operational	Complied
27	Dharmapuri	4.86	3.50	Operational	Complied
28	Karur	15.00	6.50	Operational	Complied
29	Krishnagiri	12.34	7.80	Operational	Complied
30	Namakkal	5.00	5.00	Operational	Complied
31	Nagapattinam STP-1	9.63	4.50	Operational	Complied
32	Nagapattinam STP-2	2.69	0.40	Operational	Complied
33	Tiruvarur	6.92	4.10	Operational	Complied
34	Ariyalur	4.16	1.00	Operational	Complied
35	Pudukkottai	10.62	4.00	Operational	Complied
36	Perambalur	4.20	3.60	Operational	Complied
37	Udhagamandalam	5.00	4.00	Operational	Complied
38	Udumalaipet	7.81	3.50	Operational	Complied
39	Virudhunagar	7.65	3.70	Operational	Complied
PRS (12 Nos)					
40	Tiruchirappalli	58.00	58.00	Operational	Complied
41	Salem - Vellakuttai STP-1	13.00	7.00	Operational	Complied
42	Salem - Anaimedu STP-2	6.00	4.00	Operational	Complied
43	Salem - Mankuttai STP-3	35.00	1.50	Operational	Complied
44	Salem - Vandipettai STP-4	44.00	-	Completed & Power connection is to be obtained	
45	Tirunelveli	24.20	8.50	Operational	Complied
46	Erode	50.55	27.00	Operational	Complied

47	Mettur STP-1	0.82	0.38	Operational	Complied
48	Mettur STP-2	0.92	0.19	Operational	Complied
49	Mettur STP-3	5.45	2.40	Operational	Complied
50	Kumbakonam	17.00	12.00	Operational	Complied
51	Mayiladuthurai	5.85	5.85	Operational	Complied
Total	**51 Nos.**	**864.16**	**357.36**		

3.Details of each existing STP in the State-DTP

No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1	Mamallapuram TP	2.34	1.00	Operational	Complied
2	Orathanadu TP	2.30	1.30	Operational	Complied
3	Thiruchendur TP	3.90	1.40	Operational	Trial Run
4	Palanichettypatti TP	2.80	2.80	Operational	Trial Run
5	Thirumazisai TP	3.00	1.00	Operational	Complied
	Total	**14.34**	**7.50**		
Septage Management					
1.	Karunguzhi	0.024	0.024	Operational	Complied
2.	Periyanaikanpalayam	0.03	0.03	Operational	Complied
	Total	**0.054**	**0.054**		

1. Details of under construction STPs in Chennai-CMWSSB

No.	Location	Capacity of the plant (MLD)	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Sholinganallur STP	54	85		June 2021
2	Thiruvottriyur STP	31	100		Completed and yet to be commisioned
3	Kodungaiyur STP Zone - I	120	32.5		Feb 2022
4	Kodungaiyur STP Zone - II	120	34		Feb 2022
5	Nesapakkam STP Zone - IV	50	29.5		Feb 2022
6	Perungudi STP Zone - V	60	23		Feb 2022
7	Nesapakkam TTUF	10	75		Mar 2021
8	Perungudi TTUF	10	55		Mar 2021

9	Chennai River Restoration Trust (CRRT) and other works – Modular STPs at various locations	15			
Total		**470**			

2. Details of under construction STPs in the State & PRS(CMA)

S.No	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ambur	16.71	-	-	Alternate site is to be identified & it will be completed by Oct'22.
2	Avadi	36.00	85%	-	March-21
3	Coimbatore - Nanjudapuram	40.00	82%	-	May-21
4	Coimbatore – Kuruchi & kuniyamuthur	30.53	42%	-	Oct-21
5	Karaikudi	16.00	73%	-	May-21
6	Nagercoil	17.66	90%	-	May-21
7	Pollachi	11.25	88%	-	March-21
8	Rajapalayam	21.85	-	-	Earth work completed for Chlorine contact tank and Chlorine tonner room & it will be completed on Dec'21.
9	Rameshwaram	4.08	37%	-	Dec'21
10	Sattur	4.65	80%	-	May-21
11	Tambaram	30.00	97%	3930	June-21
12-14	Tiruppur (3nos)	70.00	40%	-	June-23
15	Tuticorin	28.00	62%	-	March-21
16	Vellore	50.00	42%	-	March-21
PRS (4 Nos)					
17	Tiruchirapalli-STP-1	30.00	52%	-	Dec-21
18	Tiruchirapalli-STP-2	37.00	35%	-	Dec-21
19	Sathiyamangalam	4.08	99%	-	Feb-21
20	Mettupalayam	8.65	92%	-	June-21
Total (20 nos)		**456.46**			

3. Details of under construction STPs in the State - DTP

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ulunderpettai TP	3.15	99% completed	6176/6450	Feb-21
2	Sriperumbudur TP	8.50	80% completed	5028/6000	Apr-21
3	Velankanni TP	2.33	100% completed	1435/2280	Feb-21
4	Thiruporur TP	4.02	63% completed	3302/4479	Mar-21
5	Ponneri TP	6.52	39% completed	1670/7605	Mar-21
6	Manachanallur TP	6.41	97% completed	3652/3652	Jan-21
7	S.Kannanur TP		97% completed	2320/2320	Jan-21
8	Vallam TP	2.35	84% completed	3140/3787	Mar-21
9	Perundurai TP	3.14	92% completed	3502/3946	Feb-21
10	MelachokanathapuramTP	2.00	57% completed	2460/4500	May-21
	Total	**38.42**		**31782**	
Septage Management					
1	Mudukulathur TP	0.015	85 % completed	-	Feb-21
2	Jalakandapuram TP	0.015	95% completed	-	Feb-21
3	Pennagaram TP	0.015	25% completed	-	Apr-21
4	Kaveripattinam TP	0.015	70% completed	-	Mar-21
5	Chengam TP	0.020	92% completed	-	Mar-21
6	Kurumbalur TP	0.010	65% completed	-	Mar-21
7	Pennadam TP	0.010	40% completed	-	May-21
8	Alangayam TP	0.015	75% completed	-	Mar-21
	Total	**0.115**			

1.Details of proposed FSTPs in the State & PRS-CMA

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	Pammal & Anagaputhur	27.00	**Tender Received & Work to be commenced**	
PRS(2Nos)				
2	**Trichirapalli**	**7.50**	**Tender Received & Work to be commenced**	
3	**Tirunelveli**	**10.00**		

In addition to above, 46 no. of FSTPs are taken up for implementation

(i) Completed - 9 Nos

(ii) Under construction – 34 Nos

(iii) Tender Stage – 1 No

(iv) Administrative Sanction Stage -3 Nos.

In which 6 no of FSTPs falls under polluted river stretches (Cauvery- 1no, Vasista -1 no, Sarabanga – 1 no & Thamirabarani – 2 nos.)

2a. Details of proposed STPs in the State-DTP

No.	Location	Capacity of the STP (MLD)	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Tentative Date of Completion
1	Mangadu		DPR stage-Comprehensive UGSS in Poonamallee cluster A with Mangadu Town Panchayat and 12 Village Town Panchayat	
2	Chitlapakkam		Detailed project Report prepared under TNUISFL for Sembakkam cluster basis with 13 local bodies (Fund assistance from Project Development Grant Fund)	
3	Madampakkam			
4	Peerkankaranai		DPR is to be prepared through TNUISFL on cluster basis	
5	Perungalathur			
6	Thiruneermalai			

2b. Details of proposed STPs in the State & PRS-(DTP)

S. No	Name of the ULB	STP /FSTP	STP/ FSTPs capacity in MLD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
1	Musiri TP	-	-	DPR Stage	-	-	PWD	-	The DPR is under preparation by WAPCOS/ PWD.
2	Sirugamani TP	-	-	DPR Stage	-	-	PWD	-	
3	Mohanur TP	-	-	DPR Stage	-	-	PWD	-	
4	Velur TP	-	-	DPR Stage	-	-	PWD	-	
5	Punjai Pugalur TP	-	-	DPR Stage	-	-	PWD	-	
6	Bhavani sagar TP	-	-	DPR Stage	-	-	PWD	-	
7	Sirumugai TP	-	-	DPR Stage	-	-	PWD	-	
8	Madathukulam TP	-	-	DPR Stage	-	-	PWD	-	
9	Omalur TP	-	-	DPR Stage	-	-	PWD	-	
10	Poallampatty TP	-	-	DPR Stage	-	-	DTP	-	
11	Pethanaickenpalayam TP	-	-	DPR Stage	-	-	DTP	-	
12	Yethapur TP	-	-	DPR Stage	-	-	DTP	-	M/s.

13	Belur TP	-	-	DPR Stage	-	-	DTP	-	TWIC has been appointed as consultant for preparation of DPR.
14	Srivaikundam TP	-	-	DPR Stage	-	-	DTP	-	
15	Authoor TP	-	-	DPR Stage	-	-	DTP	-	
16	Eral TP	-	-	DPR Stage	-	-	DTP	-	
17	Alwarthirunagari TP	-	-	DPR Stage	-	-	DTP	-	
18	Then Thiruperai TP	-	-	DPR Stage	-	-	DTP	-	
19	Arumuganeri TP	-	-	DPR Stage	-	-	DTP	-	
20	Mukkudal TP	-	-	DPR Stage	-	-	DTP	-	
21	Gopalasamudram TP	-	-	DPR Stage	-	-	DTP	-	
22	Kallidaikurichi TP	-	-	DPR Stage	-	-	DTP	-	
23	Cheranmahadevi TP	-	-	DPR Stage	-	-	DTP	-	
24	Veeravanallur TP	-	-	DPR Stage	-	-	DTP	-	
25	Patthamadai TP	-	-	DPR Stage	-	-	DTP	-	
26	Mela Seval TP	-	-	DPR Stage	-	-	DTP	-	
27	Kuthalam TP	-	-	DPR Stage	-	-	PWD	-	The DPR is under preparation by WAPCOS/ PWD.
28	Thirukattupalli TP	-	-	DPR Stage	-	-	PWD	-	
29	Thiruvaiyaru TP	-	-	DPR Stage	-	-	PWD	-	

IV. Details of Industrial Pollution-TNPCB:

Sl. No.	Details of Industries	State	PRS
1.	No. of industries in the State:	46,401	7,381
2.	No. of water polluting industries in the State:	11,445	1,770
3.	Quantity of effluent generated from the industries in MLD:	2,835.7	452.7
4.	Quantity of Hazardous Sludge generated from the Industries in TPD:	9,64,810 T/A	-
5.	No. of industrial units having ETPs:	11,445	1,770
6.	No. of industrial units connected to CETP:	1,489	Nil
7.	No. and total capacity of ETPs (details of existing/ under construction / proposed)	-	-
8.	Compliance status of the ETPs:	11,445 Industrial units provided ZLD and there is no discharge into the water bodies	1770 Industrial units provided ZLD and there is no discharge into the water bodies
9.	Number and total capacity of CETPs (details of existing/ under construction / proposed)	Existing – 36, Capacity -87.35 MLD Proposed – 10 Capacity 41 MLD	Proposed – 10, Capacity 41 MLD
10	Status of compliance and operation of the CETPs	Details furnished below	

10a. Status of compliance and operation of the CETPs in the State-TNPCB

S.No.	Town	No. of industries	No. of industrial units connected to CETP.	Industrial Discharge (KLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
1	Trichy	1	7	201.4	Complied	-
2	Dindigul	1	49	1517	Complied	-
3	Perundurai	1	14	1000	Complied	-
4	Ambur	1	49	1150	Complied	-
5	Ambur	1	17	330	Complied	-
6	Peranambut	1	36	600	Complied	-
7	Vaniyambadi	1	110	2000	Complied	-
8	Ranipet	1	82	3600	Complied	-
9	Ranipet	1	79	1875	Complied	-
10	Ranipet	1	40	700	Complied	-
11	Melvisharam	1	36	600	Complied	-
12	Madhavaram	1	15	400	Complied	-
13	Pallavaram	1	144	3000	Not Complied	-
14	Sivagangai	1	48	49.6	Not Complied	-
15	Ambattur	1	211	200	Not Complied	-
16	Tiruppur	1	75	7000	Complied	-
17	Tiruppur	1	6	180	Complied	-
18	Tiruppur	1	29	3555	Complied	-
19	Tiruppur	1	12	3520	Complied	-
20	Tiruppur	1	18	2750	Complied	-
21	Tiruppur	1	60	4785	Complied	-
22	Tiruppur	1	28	3748	Complied	-
23	Tiruppur	1	69	10758	Complied	-
24	Tiruppur	1	4	2250	Complied	-
25	Tiruppur	1	17	4950	Complied	-
26	Tiruppur	1	23	4500	Complied	-
27	Tiruppur	1	12	2700	Complied	-

28	Tiruppur	1	8	165	Complied	-
29	Tiruppur	1	15	2750	Complied	-
30	Tiruppur	1	15	2485	Complied	-
31	Tiruppur	1	19	4500	Complied	-
32	Tiruppur	1	25	3150	Complied	-
33	Tiruppur	1	9	1350	Complied	-
34	Perundurai	1	14	2681	Complied	-
35	Kanchipuram	1	62	1500	Not Complied Under closure	-
36	Kodaikanal	1	40	850	Complied	-
Total		**36**	**1497**	**87350**		

Note:

1.The CETP at Pallavaram is awaiting for evaluation study report from Anna University, Chennai.

2. The CETP at Sivagangai has provided the instrument and the Online Continous Effluent Monitoring Systems (OCEMS) connectivity is under progress

3.The CETP at Ambattur is yet to install OCEMS and provide connectivity to CPCB.

4.The CETP at Kanchipuram has been issued closure directions by the TNPCB for non-compliance of the Board Order.

10b. Details of CETP under construction/tendering/proposed in the PRS-TNPCB

S.No.	Town	Name of CETPs	CETP Capacity (MLD)	Whether Complying or not	CETP Proposed, if any	Status (DPR/ tendering/ under construction etc.)
01.	Perundurai	Sree Bhavani Dyeing Cluster Development Limited, Perundurai Taluk, Erode District	4	-	Proposed	CTE issued upto 31.03.2024
02.	Perundurai	Kadayampatti Common Effluent Treatment Plant Bhavani Private Limited, Perundurai Taluk, Erode District	6.25	-	Proposed	CTE issued upto 31.03.2024
03.	Perundurai	Kadayampatti Common Reject Management Systems Private Limited (CRMS), Perundurai Taluk, Erode District	1.75	-	Proposed	CTE issued upto 31.03.2024
04.	Erode	Gangapuram Common Effluent Treatment Plant Private Limited, Erode Taluk, Erode District	4.5	-	Proposed	CTE issued upto 31.03.2024

S.No.	Town	Name of CETPs	CETP Capacity (MLD)	Whether Complying or not	CETP Proposed, if any	Status (DPR/ tendering/ under construction etc.)
05.	Erode	Villarasampatti Common Effluent Treatment Plant Private Limited, Erode Taluk, Erode District	4.5	-	Proposed	CTE issued upto 31.03.2024
06.	Erode	M/s. Suriyampalayam Common Effluent Treatment Plant Private Limited, Erode	4.2	-	Proposed	CTE issued upto 31.03.2024
07.	Erode	M/s. Green Kalingarayan Common Effluent Treatment Plant Private Limited	5.8	-	Proposed	CTE issued for a period upto 31.03.2024
08.	Erode	M/s. Erode Common Effluent Treatment Plant Private Limited (CRMS)	2.0	-	Proposed	CTE issued upto 31.03.2024
09	Kumarapalayam	M/s. Kumarapalayam Green Cauvery Dyeing Cluster, Kumarapalayam	5.0	-	Proposed	DPR approved
10	Kumarapalayam	M/s. Green Environmental Association, Pallipalayam & Kumarapalayam (CRMS)	3.0	-	Proposed	DPR approved
TOTAL - 10 CETPs			**41**			

V. Solid Waste Management:

No.	Solid Waste Management	State	PRS
1.	Total number of Urban Local Bodies and their Population	663	48
2.	Current Municipal Solid Waste Generation TPD	13726	1421.73
3.	a. Number of facilities b. Installed capacity -TPD c. 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	3236 11582.5 5984	423 1295 966
4.	Action plan to bridge gap between Installed Capacity and Current	5 incinerators and 2 pyrolysis have been	Incinerators are proposed to install for processing

	Utilization of processing facilities (if Gap > 20%)	completed and the balance 13 are under progress for processing non-recyclable dry waste in cluster basis	non-recyclable dry waste in cluster basis
5.	No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil	Nil
6.	Total No. of wards (ULBs) No. of wards having door to door collection service, No. of wards practicing segregation at source	12,620 12,174 11,133	1,134 1,112 1,030
7.	Details of MSW treatment facilities proposed and under construction (No., capacity, and technology)	Proposed-11 Nos. Capacity :62 TPD Under Construction-154 Nos., Capacity 857.60 TPD Technology: Micro Compositing, Organic Compositing, Resource derived facility.	2 No. 10.8 TPD
8.	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Nil	Nil
9.	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	-	-
10.	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	Nil

Rural Development and Panchayat Raj (RD & PR)

S.No.	Solid Waste Management	State	PRS
1.	Current Municipal Solid Waste Generation TPD	1965	8.3
2.	Number of Village Panchayats	12525	31
3.	Details of MSW treatment facilities proposed (No., capacity, and technology)	321 Nos	1

Status of ULB wise Management of Solid Waste-CMA & DTP

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	Utilization Capacity of the existing MSW facilities TPD	Proposed MSW Facilities & Completion Timeline
CMA-135 Nos.	6526	4384.23	Windrow/Vermi compost, Decentralized compositing, Biogas, Incinerator, Pyrolysis	4165	-
DTP-528 Nos.	2100	1819.21		1819.21	10 Incinerators are proposed for processing non-recyclabe dry waste in cluster basis, and works are in various stages

VI . Bio-medical Waste Management (BWM):

No.	BWM	State	PRS
1.	Total Bio-medical generation:	80 T/D	8.163 T/D
2.	No. of Hospitals and Health Care Facilities:	25,128	5534
3.	Status of Treatment Facility/ CBMWTF:	Total -12 Nos. 10 Facilities under operation Two Facilities - Issued Closure by TNPCB for non-compliance. In addition 3 common facilities (CBMWTFs) are under establishment in Gummidipoondi, Hosur &	**One Facility:** M/s. Medicare Enviro Systems, Thanjavur is in operation covering the districts of Thanjavur, Thiruvarur, Trichy, Nagapattinam, Pudukottai, Perambalur, Ariyalur & Sivangangai. **Another Facility in** M/s.Ramky Energy and Environment Ltd,

		Tiruppur Districts and one facility is under pipeline.	Salem is in operation covering the districts of Salem, Namakkal, Erode, Karur Dharmapuri & krishnagiri.

VII. Hazardous Waste Management (HWM):

No.	Hazardous Waste Management	State
1.	Total Hazardous Waste generation	Total 9.64810 lakhs T/A Recylable : 1.2081 lakhs T/A Utilizable : 7.30 lakhs T/A Land fillable : 0.90 lakhs T/A Incinerable : 0.24 lakhs T/A
2.	No. of Industries generating HW	3,961 units
3.	Treatment Capacity of all TSDFs	**2 Nos. of M/s Tamil Nadu Waste Management Limited (TNWML) Facility :** **a.TSDF Gummidipoondi** Permitted land fillable hazardous waste in SLF- 1,00,000 T/A Permitted for Incineration of hazardous waste with incinerator of capacity-1.5 T/Hr. **b.TSDF Viruthunagar** Permitted land fillable hazardous waste in SLF- 2,40,000 T/A
4.	Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	Land fillable hazardous waste- 90,296 T/A Incinerable hazardous waste- 7312 T/A
5.	Details of on-going or proposed TSDF	A common TSDF is proposed by TNWML (Unit-3) at Plot No. 141A, etc. of Balethottam Village, Pochampalli Taluk, Krishnagiri District for which CTE was granted under Water & Air Acts for direct landfillable Hazardous waste-83 TPD & landfillable hazardous waste after treatment -166 TPD.

VIII. Plastic Waste Management:

Plastic Waste Management	STATE	PRS
Total Plastic Waste generation (TPD)	634	111.9
Treatment/ Measures adopted for reduction or management of plastic waste	• Recyclable/ Saleable plastics are sold to authorized vendors. • Non-saleable plastics are sent to cement factories for co-processing and also used as a component for laying roads. • Incinerators & pyrolysis plants are proposed to install for processing non-recyclable dry waste in cluster basis. • A plastic Shredding unit is available at each district under SWM Scheme. • All the ULBs are enforcing Source segregation of waste through IEC activities by animators and the saleable fraction of plastic waste is sold to recyclers and remuneration is paid back to sanitary workers. Apart from that, a total quantity of 1107 MT of single use plastics had been seized and a penalty of Rs.5.47 crore has been collected. The seized plastics are stored at Resource Recovery Centres (RRC) and disposed to Cement industries.	

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:

Sl.No.	Name of the river	Name of the ULB	No. of location joining into major canal/river	Remarks
1	Cauvery	Komarapalayam	5	Interception & Diversion (I&D) Work. DPR is under preparation
2	Cauvery	Pallipalayam	7	I&D Work. DPR is under preparation
3.	Cauvery	Kulithalai	3	I&D Work. DPR is under preparation
4	Cauvery	Bhavani	6	I&D Work. DPR is under preparation

5	Tamirabarani	Ambasamudram	6	I&D Work. DPR is under preparation
6	Tamirabarani	Vickaramasingapuram	12	I&D Work. DPR is under preparation
7	Vasista	Attur	3	I&D Work. DPR is under preparation
8	Vasista	Narasingapuram	3	I&D Work. DPR is under preparation
9	Sarabanga	Idappadi	22	I&D Work. DPR is under preparation
Total			**67**	

XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT: Nodal officers have been nominated vide G.O.Ms No.64 Environment and Forests (EC.2) Department dated 03.10.2020 by the Government of Tamil Nadu.

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: Environment Monitoring Cell meeting has been conducted by the Additional Chief Secretary to Government of Tamil Nadu, Environment and Forests Depertament, on 23.12.2020.

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

Latest water quality of the polluted river stretches

Sl.No.	**Name of the River**	**No of Monitoring Locations**	**Status of River –January 2021**		
			DO mg/l	BOD mg/l	Fecal coliform MPN/100 ml
1	Sarabanga	2	No flow		
2	Thirumanimutharu	2	3.0	12	840
3	Vasista	2	Nil	29	3100
4	Cauvery	19	5.8-6.7	<2-3	22-210
5	Bhavani	7	5.9-6.4	<2-2.5	14-170
6	Thamirabarani	12	6.2-7.8	<2-3.2	2-63

Standards
a.DO 5.0 mg/l
b. BOD <3 mg/l
c. Faecal Coliform <500 MPN/100 ml

Source : TNPCB

Ground water quality in the catchment of polluted river-PWD

Name of the River	Ground water quality
Sarabanga	The State Ground and Surface Water Resources Data Centre (SG&SWRDC) has provided monitoring wells for observation of ground water quality in Danishpet, Omalur, Idaipadi, Thevur and Tharamangalam areas. The Total Dissolved Solids (TDS) of this stretch is found to be vary between **399** mg/l **to 1885** mg/l. Danishpet is having TDS of good quality whereas the rest of the places having TDS value in the range of moderate quality.
Thirumanimutharu	The SG&SWRDC provided monitoring wells in Salem, Attayampatti and palapatti areas. The TDS in this stretch vary between 500 mg/l to 2000 mg/l
Vasista	The SG&SWRDC is having monitoring wells in Papanaickenpatti, Yethapur, Athur and Thalaivasal. The TDS value is between 336 mg/l to 1029 mg/l
Cauvery	The SG&SWRDC is having ground water quality data for the areas of Dharmapuri, Mettur, Bhavani, Salem, Paramathivelur, Namakkal, Kumarapalayam, Karur, Erode, Musiri, Trichy, Kulithalai, Thanjavur, Kumbakonam and Mayiladuthurai. TDS in Dharmapuri taluk, Salem, Namakkal and Cuddalore is 523 mg/l to 2096 mg/l , 412 to 2845 mg/l, exceed even 6000 mg/l and 5000 to 6000 mg/l , respectively.
Bhavani	The general distribution of ground water quality varies between Good to moderate level. Especially Nilgiris is having good quality water.
Thamirabarani	The collected water quality data of Cheranmadevi, Thiruvidaimaruthur, Ambasamudram, Thirunelveli, Palayamkottai, and Ariyanaygipuram showed good, poor and moderate quality based on TDS.

Ground water regulation-PWD

Name of the River	Ground water regulation
Sarabanga	For effective management of Ground Water, **683** packaged drinking water firms operated illegally have been closed as per Honorable Madras High Court order passed under WP No.16299 / 2018. A Comprehensive Groundwater (Management and Development) Act., to regulate and manage the extraction of Groundwater is under active consideration of the Government of Tamil Nadu.
Thirumanimutharu	
Vasista	
Cauvery	
Bhavani	
Thamirabarani	

XIV. Good irrigation practices being adopted by the State-PWD:

Name of the River	Good irrigation practices being adopted by the State
Sarabanga	Awareness meetings are conducted under TNIAMP, ADB & State Funds. In some

Thirumanimutharu	parts of the reach DRIP irrigation is practiced.
Vasista	
Cauvery	
Bhavani	
Thamirabarani	Village level awareness campaigns are conducted periodically by PWD officials to adopt the crop rotation for good irrigation practices. Rehabilitation and modernization of Tanks, Anicuts and Supply channels are being carried out in TNIAMP projectas per GO Ms No: 140 PW (WR 1) Dept Dt: 21.06.2017 for an amount of Rs.107.09 crores. Kudimaramath woks as per G.O (Ms).No.98PW(W1)Dept/Dt: 22.04.2020 for an amount of Rs. 16.365 Crores is carried out in Tirunelveli and Thoothukudi Districts.

XV. Rain Water Harvesting-PWD:

Name of the River	Existing Structure (Nos)	Ongoing Works (Nos)	Proposed Works (Nos)
Sarabanga	5	2	10-Recharge Wells
Thirumanimutharu	6	-	14-Recharge Wells
Vasista	16	-	-
Cauvery	44	10	29
Bhavani	13	3	17
Thamirabarani	7	2	230- Barrages **3** Nos.–Rs.230 Crores. Check dam **2** Nos-Rs.76 Crores, Artificial Recharge well **221** Nos and Recharge shaft **4 N**os-Rs. 88.496 Crores.)
TOTAL	**91**	**17**	**300**

XVI. Demarcation of Flood plain and removal of illegal encroachments - PWD:

Name of the River	Demarcation of Floodplain and removal of illegal encroachments
Sarabanga	DPR at a cost of Rs.2.0 Cr is under preparation under Nadanthai Vaazhi Cauvery for conducting drone survey by WAPCOS for identification of flood plain zones and area for afforestation to maintain Bio Diversity. Encroachment if any is identified in the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.
Thirumanimutharu	

<table>
<tr><td>Vasista</td><td>No Flood plains zones/encroachment have been identified.</td></tr>
<tr><td>Cauvery</td><td>Draft DPR for conducting drone survey by WAPCOS for identification of flood plain zones and area for afforestation to maintain Bio Diversity, prepared by M/S WAPCOS has been submitted and is under scrutiny of PWD. The tentative cost of DPR is Rs. 20.0 Cr. Encroachment if any is identified in the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.</td></tr>
<tr><td>Bhavani</td><td>a. DPR at a cost of rs. 2.0 Cr is under preparation under Nadanthai Vaazhi Cauvery for conducting drone survey by WAPCOS for identification of flood plain zones and area for afforestation to maintain Bio Diversity.
b. 55 Nos of encroachments are to be removed belong to fishing community. Recommendations for alternate land has been sent to Secretary to Government, Revenue department by Commissioner for Revenue administration vide letter No F.2/41632/2005/Dt.15.2.2006.</td></tr>
<tr><td>Thamirabarani</td><td>α. To prepare comprehensive flood protection plan for Thamirabarani River Rs. 4.00 Lakhs has been alloted vide GO Ms. No. 37 Revenue (DMII) Department 9.02.2017. Estimate has been prepared for Rs. 4.00 Lakhs for the demarcation of Flood plain zone and steps are being taken for the protection and management of Flood plain Zones of Thamirabarani .
β. In Tirunelveli Corporation, ProsopisJuliflora on the river stretches for a length of 10km from Vilagam to Naranammalpuram river bridge were removed at a cost of 140.00 lakhs vide GO(2D) No. 14 PW (P2) Dept Dated 8.03.2019 to restore the River course for a free flow of flood water.
χ. In River Banks of the Thamirabarani, the following encroachments were identified and demarcated by the water resources department/Public works department.
<table>
<tr><th>Sl. No</th><th>District</th><th>Encroachment Nos</th><th>Evicted Nos</th><th>Balance to be evicted Nos</th></tr>
<tr><td>1.</td><td>Tirunelveli</td><td>683</td><td>639</td><td>44</td></tr>
<tr><td>2.</td><td>Thoothukudi</td><td>1084</td><td>117</td><td>967</td></tr>
<tr><td></td><td>Total</td><td>1767</td><td>756</td><td>1011</td></tr>
</table>
The issue of eviction notices to the encroachers under eviction of encroachment act is under progress in Tirunelveli and Thoothukudi districts.</td></tr>
</table>

XVII. Maintaining minimum e-flow of river-PWD:

Name of the River	Maintaining minimum e-flow of river
Sarabanga	This river is only a flood carrier. The sewage water enters in to the river in Edapaddi Municipality, Omalur Town Panchayat and Poolampatti Town Panchayat. The above treatment plants are proposed under Nadanthai Vaazhi Cauvery. E flow will be maintained in this river after completion sewage treatment plants by March 2022. The treated water will flow as environmental flow.
Thirumanimutharu	This river is only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under NadanthaiVaazhi Cauvery. E flow will be maintained in this river after completion of sewage treatment plants by March 2022, the treated water will flow as environmental flow.
Vasista	This river is only a flood carrier. But the sewage water enters in to the river in Attur and Narasingapuram Municipality. After completion of sewage treatment plants in the above locations, the treated water will flow as environment flow.
Cauvery	Mettur dam is opened for irrigation from June 12th to January 28th based on availability of water every year. It is opened for drinking purpose in the remaining days. Usually a monthly minimum average E flow of 0.10 TMC is maintained. The E flow is maintained for more than 8 months. During the month of January 2021 an E Flow of 0.095 TMC was maintained.
Bhavani	An E flow of 57,227 cusecs (including Irrigation purpose) was maintained in the river Bhavani during the Month of January 2021.
Thamirabarani	An average of 3294 cusecs of water is released into the river in the month of January 2021 to ensure minimum environmental flow.

XVIII. Plantation activities along the rivers-PWD:

Name of the River	Plantation activities along the Rivers
	Number of Saplings proposed to plant and plantation work to be completed in March 2022
Sarabanga	32,400
Thirumanimutharu	42,000
Vasista	There is no proposal at present.
Cauvery	1,44,500
Bhavani	86,500

Thamirabarani	At present there is no proposal on plantation on the River Banks and investigation works are being taken to implement it by Forest Department.

XIX. Development of biodiversity park - PWD:

Name of the River	Development of Biodiversity park
Sarabanga	This is proposed to be taken up under Nadanthai Vaazhi Cauvery for which DPR is under preparation. Drone Survey is proposed to be conducted by WAPCOS. This work will be completed in March 2022
Thirumanimutharu	
Vasista	There is no proposal at present.
Cauvery	This is proposed to be taken up under NadanthaiVaazhi Cauvery for which DPR is under preparation. Drone Survey is proposed to be conducted by WAPCOS. This work will be completed in March 2022.
Bhavani	
Thamirabarani	At present there is no proposal on biodiversity parks on the encroached River stretches and investigation works are being taken to implement it.

XX. Reuse of Treated Water - CMA:

The policy for promotion of use of Treated Waste Water is prepared with a vision to maximize the collection & treatment of sewage generated and reuse of treated waste water on a sustainable basis, thereby reducing dependency on fresh water resources. Further, the policy promotes use of treated waste water as an economic resource.

In this regard, Tamil Nadu Government has launched waste water reuse policy during December 2019. At present Memorandum of Understanding (MoU) has been executed between the ULB and the user agency for the re-use of secondary treated effluent water (STEW).

S. No.	Name of the ULB	Quantity (in MLD)	Usage/ Purpose
1	Nagapattinam	2.00	M/s KVK Power for cooling purpose
2	Dindugul	5.00	To maintain the TDS level of Tanners for Agro-forestry.
3	Tirunelveli	24.00	Nanguneri Special Economic Zone (SEZ) for Industries
4	Perambalur	3.00	MRF Industrial use
5	Ramanathapuram	3.00	NTC Infra
6	Coimbatore	15.00	Agricultural use to farmers association

7	Pollachi	11.50	Agricultural use to farmers association
8	Chinnamannur	3.00	Agricultural use
9	Karur	7.00	Agricultural use
10	Arakkonam	7.00	MRF Industrial use
Total		**80.5**	

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

XXII. Status of Preparation of Action Plan by the 14 Coastal States:

As per G.O.MS No.64 Environment and Forests (EC.2) Department dated 03.10.2020, preparation of action plan for the coastal and marine pollution by the Department of Environment, Government of Tamil Nadu, is under progress by collecting details from the 14 districts of Tamil Nadu.

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

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

Annexure – I

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 Tamil nadu

Overall status of the CMA:

I. Total Population : 1,67,05,001

II. Estimated Sewage Generation (MLD) : 1523.98

III. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	**State**	**PRS**
1	Existing no. of STPs and Treatment Capacity (in MLD)	**51 Nos & 864.16**	**12Nos & 260.79**
2	Capacity Utilization of existing STPs	**357.36**	**122.82**
3	MLD of sewage being treated through Alternate technology	**Nil**	
4	Gap in Treatment Capacity in MLD	**659.82**	**114.82**
5	No. of Operational STPs	**50 nos**	**12 nos**
6	No. of Complying STPs	**50 nos**	**12 nos**
7	No. of Non-complying STPs	**Nil**	

Details of each existing STP in the State & PRS

S. No	Location	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
1	Coimbatore	70.00	35.00	Operational	Comply
		60.00	5.00	Operational	Comply
2	Vellore	10.28	7.50	Operational	Comply
3	Dindigul	13.65	3.00	Operational	Comply
4	Avadi	4.00	2.50	Operational	Comply
5	Madurai	170.70 MLD (45.70 + 125.00)	38.50	Operational	Comply

		MLD			
6	Thanjavur	28.05	14.15	Operational	Comply
7	Tiruppur	15.00	7.50	Operational	Comply
8	Cuddalore	12.25	6.50	Operational	Comply
9	Kanchipuram	14.50	13.50	Operational	Comply
10	Maraimalai Nagar	2.20	1.80	Operational	Comply
11	Pallavapuram	(CMWSSB STP 115@Perungudi)		Operational	Comply
12	Tiruvallur	6.20	3.60	Operational	Comply
13	Chidambaram	9.44	2.10	Operational	Comply
14	Thiruvannamalai	8.70	4.50	Operational	Comply
15	Viluppuram - 2Nos	12.50	8.60	Operational	Comply
16	Arakkonam	11.04	2.00	Operational	Comply
17	Thirupathur	11.43	2.50	Operational	Comply
18	Bodinayakkanur	12.08	4.00	Operational	Comply
19	Chinnamanur	3.99	3.72	Operational	Comply
20	Periyakulam	5.47	5.47	Operational	Comply
21	Ramanathpuram	7.00	5.80	Operational	Comply
22	Rasipuram	6.96	0.10	Operational	Comply
23	Theni-Allinagaram	12.05	6.50	Operational	Comply
24	Dharmapuri	4.86	3.50	Operational	Comply
25	Karur	15.00	6.50	Operational	Comply
26	Krishnagiri	12.34	7.80	Operational	Comply
27	Namakkal	5.00	5.00	Operational	Comply
	Nagapattinam STP-1	9.63	4.50	Operational	Comply
28	Nagapattinam STP-2	2.69	0.40	Operational	Comply
29	Tiruvarur	6.92	4.10	Operational	Comply
30	Ariyalur	4.16	1.00	Operational	Comply
31	Pudukkottai	10.62	4.00	Operational	Comply
32	Perambalur	4.20	3.60	Operational	Comply
33	Udhagamandalam	5.00	4.00	Operational	Comply
34	Udumalaipet	7.81	3.50	Operational	Comply

35	Virudhunagar	7.65	3.70	Operational	Comply
PRS (12 Nos)					
36	Tiruchirappalli	58.00	58.00	Operational	Comply
37	Salem - Vellakuttai STP	13.00	7.00	Operational	Comply
	Salem - Anaimedu STP	6.00	4.00	Operational	Comply
	Salem - Mankuttai STP	35.00	1.50	Operational	Comply
	Salem - Vandipattai STP	44.00	-	Completed & Power connection to be obtained	-
38	Tirunelveli	24.20	8.50	Operational	Comply
39	Erode	50.55	27.00	Operational	Comply
40	Mettur STP-1	0.82	0.38	Operational	Comply
	Mettur STP-2	0.92	0.19	Operational	Comply
	Mettur STP-3	5.45	2.40	Operational	Comply
41	Kumbakonam	17.00	12.00	Operational	Comply
42	Mayiladuthurai	5.85	5.85	Operational	Comply
Total	**51 nos**	**864.16**	**357.36**		

Details of under construction STPs in the State & PRS

S.No	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ambur	16.71	-	-	Alternate site to be identified & it will be completed on Oct'22.
2	Avadi	36.00	85%	-	March-21
3	Coimbatore - Nanjudapuram	40.00	82%	-	May-21
	Coimbatore – Kuruchi & kuniyamuthur	30.53	42%	-	Oct-21
4	Karaikudi	16.00	73%	-	May-21
5	Nagercoil	17.66	90%	-	May-21

S.No	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
6	Pollachi	11.25	88%	-	March-21
7	Rajapalayam	21.85	-	-	Earth work completed for Chlorine contact tank and Chlorine tonner room & it will be completed on Dec'21.
8	Rameshwaram	4.08	37%	-	Dec'21
9	Sattur	4.65	80%	-	May-21
10	Tambaram	30.00	97%	3930	June-20
11	Tiruppur (3nos)	70.00	40%	-	June-23
12	Tuticorin	28.00	62%	-	March-21
13	Vellore	50.00	42%	-	March-21
14	Tindivanam	11.44	Tender Received & Work to be commenced		
15	Villupuram Added Area	4.56			
PRS (4 Nos)					
16	**Trichirapalli-STP1**	**30.00**	**52%**	**-**	**Dec-21**
	Trichirapalli-STP2	**37.00**	**35%**	**-**	**Dec-21**
17	**Sathiyamangalam**	**4.08**	**99%**	**-**	**Feb-21**
18	**Mettupalayam**	**8.65**	**92%**	**-**	**June- 21**
Total (22 nos)		**472.46**			

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	Pammal & Anagaputhur	27.00	**Tender Received & Work to be commenced**	
PRS(2Nos)				
2	**Trichirapalli**	**7.50**	**Tender Received & Work to be**	

3	**Tirunelveli**	**10.00**	**commenced**

In addition to above, 46 no. of FSTPs are taken up for implementation

(i) Completed - 9 Nos

(ii) Under construction – 34 Nos

(iii) Tender Stage – 1 No

(iv) AS Stage -3 Nos.

In which 6 no of FSTPs falls under polluted river stretches (Cauvery- 1no, Vasista -1 no, Sarabanga – 1 no & Thamirabarani – 2 nos.)

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

SI. No	Name of the River	Name of the ULB	No. of location joining into major canal/ river	Remarks
1	Cauvery	Komarapalayam	5	I&D Work DPR under preparation
2	Cauvery	Pallipalayam	7	I&D Work DPR under preparation
3	Cauvery	Kulithalai	3	I&D Work DPR under preparation
4	Cauvery	Bhavani	6	I&D Work DPR under preparation
5	Tamirabarani	Ambasamudram	6	I&D Work DPR under preparation
6	Tamirabarani	Vickaramasingapuram	12	I&D Work DPR under preparation
7	Vassista	Attur	3	I&D Work DPR under preparation
8	Vassista	Narasingapuram	3	I&D Work DPR under preparation
9	Sarabanga	Idappadi	22	I&D Work DPR under preparation

XXI. Reuse of Treated Water:

The policy for promotion of use of Treated Waste Water is prepared with a vision to maximise the collection & treatment of sewage generated and reuse of treated waste

water on a sustainable basis, thereby reducing dependency on fresh water resources. Further, the policy promotes use of treated waste water as an economic resource.

In this regard, Tamil Nadu Government has launched waste water reuse policy on December 2019. At present Memorandum of Understanding (MoU) has been executed between the ULB and the user agency for the re-use of secondary treated effluent water (STEW) .

S. No	Name of the ULB	Quantity (in MLD)	Usage/ Purpose
1	Nagapattinam	2.00	M/s KVK Power for cooling purpose
2	Dindugul	5.00	To maintain the TDS level of Tanners as well for Agro- forestry.
3	Tirunelveli	24.00	Nanguneri SEZ for Industries
4	Perambalur	3.00	MRF Industrial use
5	Ramanathapuram	3.00	NTC Infra
6	Coimbatore	15.00	Agricultural use to farmers association
7	Pollachi	11.50	Agricultural use to farmers association
8	Chinnamannur	3.00	Agricultural use
9	Karur	7.00	Agricultural use
10	Arakkonam	7.00	MRF Industrial use

NMCG 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 Month of : ***January*** *Prepared by* ***CMA***

S.NO.	Details	TN State	PRS
I	Total Population:	16,705,001	
II	Estimated Sewage Generation (MLD)	1523.98	375.61
III	**Details of Sewage Treatment Plant:**		
1a.	Existing no. of STPs/FSTP if any	51/ 9	12/1
1b	Treatment Capacity (in MLD)	864.16MLD / 270kld	260.79
2	Capacity Utilization of existing STPs (MLD)	357.36	122.82
3	MLD of sewage being treated through Alternate Technology	**Nil**	
4	Gap in Treatment Capacity in MLD	659.82	114.82
5	No. of Operational STPs	50	12
6	No. of Complying STPs	50	12
7	No. of Non-complying STPs	**Nil**	
	Details of Under construction Sewage Treatment Plant:		
1	STP -Number	22	4
2	STP Capacity (MLD)	456.46	79.73
3	FSTP -Number	34	2
4	FSTP -capacity (KLD)	930	70
5	Status of I&D or House sewer connections	**In Progress**	

	Details of Proposed STP	**TN State**	**PRS**
1	STP/FSTP Number	3 / 20	2
2	STP/FSTP Capacity	44.50 mld / 679 kld	17.50mld
3	No. of STPs under DPR	-	-
4	No. of DPRs approved for construction of STPs	-	-
5	No. of STPs under tender stage for construction	1	-
6	No. of tenders awarded for STP construction	2	2
7	No. of STPs completed	-	-
8	No. of constuction of STPs held up due to land issues	-	-
9	No. of land issuses resolved	-	-

NMCG Format for Submission of Monthly Progress Report in the NGT Matter OA No.673 of 2018

For the Month of January 2021 -Department **CMA**

V	**Solid Waste Management:**			
1	Total number of Urban Local Bodies and their Population	135 ULBs / 16705001		
2	Current Municipal Solid Waste Generation TPD	6526 TPD		
3	**Existing MSW processing facilities**	**Total No.**	**Installed Capacity (TPD)**	**Utilization Capacity (TPD)**
a.	Windrow Compost	39	115	98
b.	Vermi Compost	11	95	76
c.	Decentralized pit composting (MCC)	685	2619	2460
d.	Biomethanation	47	189	165
e.	MRF/RRC	223	955	955
f.	others - Onsite composting centre	907	411	411
g.	Waste to Energy	-	-	-
	Total	**1912**	**4384**	**4165**
4	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)			
5	No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	**Existing (No. & capacity)**	**Proposed (No. & Capacity)**	**Under construction (No. & Capacity)**
		-	Proposed in Coimbatore, Trichy and Madurai - Tender stage	-
6	Total no. of wards	4332		
	Total no. of wards having door to door collection service	4218		
	Total no. of wards practicing segregation at source	3674		

7a.	Details of MSW treatment facilities proposed (no.)	11
	Details of MSW treatment facilities proposed (capacity, TPD)	62 TPD
	Details of MSW treatment facilities proposed (technology)	Incineration for Dry waste and MCC for Wet waste
7b.	Details of MSW treatment facilities under construction (no.)	141
	Details of MSW treatment facilities under construction (capacity, TPD)	857
	Details of MSW treatment facilities under construction (technology)	Micro Composting Centre, Incineration and RRC and Onsite composting Centres
8	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Nil
9	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	Nil
10	No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	-
VIII	**Plastic Waste Management:**	
1	Total Plastic Waste generation:TPD	514
2	Treatment/ Measures adopted for reduction or management of plastic waste:	All the ULBs are enforcing Source segregation of waste through IEC activities by animators and the saleable fraction of plastic waste is sold to recyclers and remuneration is paid back to sanitary workers. Apart from that a total quantity of 1107 MT of single use plastics had been seized and a penalty of Rs.5.47 crores has been collected. The seized plastics are stored at Resource Recovery Centres (RRC) and disposed to Cement industries.

Gmail DDLABS AEL <tnpcbprs@gmail.com>

Revised Monthly progress updation - Reg

1 message

dma office <dmaoffice@gmail.com> Sat, Feb 27, 2021 at 3:20 PM
To: DDLABS AEL <tnpcbprs@gmail.com>

Sir,
Please see the attachment.

3 attachments

SWM-LWM MPR-excel (Jan-21).xls
46K

LWM Status.doc
179K

Gap anaylsis JS -Mail (1).xlsx
20K

Gmail DDLABS AEL <tnpcbprs@gmail.com>

TNPCB-Updated January 2021 MPR -Requested-Reg.,

3 messages

DDLABS AEL <tnpcbprs@gmail.com> Tue, Feb 2, 2021 at 2:59 PM
To: "dma office dmaoffice@gmail.com DRD&PR Chennai- TN" <dmaoffice@gmail.com>, DTP System Analyst <dtpsystem@gmail.com>, senregs2016@gmail.com, rdse@nic.in, "dma office dmaoffice@gmail.com DRD&PR Chennai- TN" <tnsbmg@gmail.com>, Chief Engineer SG&SWRDC <cegwchennai@gmail.com>, erssraja@gmail.com, sbmpmucma@gmail.com, Jaishankar M R <metrowaterjai@gmail.com>, solidwastecorp4@gmail.com, sbm dtp <sbmdtp@gmail.com>, anbalagan_ee@yahoo.com
Cc: cmkani61@gmail.com, deputydirectorlabsrd@gmail.com, Gugan Nathan <gugan.tnpcb@gmail.com>

Respected Sir/Madam,

As per the instructions received from Executive Director-Technical, NMCG, Ministry of Jal Shakti, both December 2020 MPR and January 2021 MPR is requested. Hence it is requested to all the Nodal officers to kindly send the **updated January 2021 MPR** on or before 08.02.2021 without fail. The meeting is proposed to conduct this month at the earliest.

With Regards,

PRS Team

Jaishankar M R <metrowaterjai@gmail.com> Wed, Feb 3, 2021 at 3:26 PM
To: DDLABS AEL <tnpcbprs@gmail.com>

Dear Sir/Madam,
PFA from CMWSSB
[Quoted text hidden]
--
Regards,
Jaishankar M.R.
Exe.Engr - CMWSSB (8144930600)
பிறப்பொக்கும் எல்லா உயிர்க்கும் சிறப்பொவ்வா
செய்தொழில் வேற்றுமை யான். - குறள்

2 attachments

CMWSSB-Revised MPR Format - Dec 2020.docx
33K

01. CMWSSB Revised MPR Format - Jan 2021.docx
30K

DDLABS AEL <tnpcbprs@gmail.com> Wed, Feb 3, 2021 at 3:51 PM
To: Jaishankar M R <metrowaterjai@gmail.com>

Thank you sir.
[Quoted text hidden]

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

For the State of Tamil Nadu (Chennai) in January 2021

Overall status of the State:

I. Total Population:Urban Population& Rural Population separately

II. Estimated Sewage Generation (MLD): 623 Average

III. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	**State**	**PRS**
1	Existing no. of STPs and Treatment Capacity (in MLD)	**745**	
2	Capacity Utilization of existing STPs(in ML)	**19316.84 (MLD - 623 Avg)**	
3	MLD of sewage being treated through Alternate technology	**-**	
4	Gap in Treatment Capacity in MLD	**Nil**	
5	No. of Operational STPs	**13**	
6	No. of Complying STPs	**13**	
7	No. of Non-complying STPs	**Nil**	

Details of each existing STP in the State& PRS – January 2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Nesapakkam STP Zone - IV	23	11.73	Operational	Complied Parameters Range pH – 6.5 to 8.5 BOD - < 20 mg/l COD – ≤ 250 mg/l TSS - < 30 mg/l Faecal Coliform – 10000MPN/100 ml
2	Koyambedu STP Zone - III	34	33.15	Operational	
3	Kodungaiyur STP Zone II	80	70.45	Operational	
4	Kodungaiyur STP Zone I	80	71.97	Operational	
5	Perungudi STP Zone - V	12	10.47	Operational	
6	KoyambeduSTP	60	29.30	Operational	

	Zone - III				
7	Kodungaiyur STP Zone I& II	110	100.18	Operational	
8	Nesapakkam STP Zone - IV	40	37.23	Operational	
9	Perungudi STP Zone - V	54	57.29*	Operational	
10	Perungudi STP Zone – V	60	63.37*	Operational	
11	Nesapakkam STP Zone - IV	54	64.79*	Operational	
12	Koyambedu STP Zone – III	120	68.78	Operational	
13	Sholinganallur STP	18	4.43	Operational	
Total		**745**	**623.12**		* Due to monsoon rain fall flow is increased

Details of under construction STPs in the State& PRS

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Sholinganallur STP	54	85		Dec 2020
2	Thiruvottriyur STP	31	100		
3	Kodungaiyur STP Zone - I	120	32.5		Feb 2022
4	Kodungaiyur STP Zone - II	120	34		Feb 2022
5	Nesapakkam STP Zone - IV	50	29.5		Feb 2022
6	Perungudi STP Zone - V	60	23		Feb 2022
7	Nesapakkam TTUF	10	75		Mar 2021
8	Perungudi TTUF	10	55		Mar 2021
9	CRRT and other works – Modular STP's at various location	15			
Total		**470**			

Details of proposed STPs in the State& PRS

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
Total				

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
Total				

IV. Details of Industrial Pollution:

- No. of industries in the State& PRS:
- No. of water polluting industries in the State& PRS:
- 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 in State & PRS:
- Number of industrial units connected to CETP:
- 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)
- 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
- Current Municipal Solid Waste Generation**(State & PRS)**

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

VI. Bio-medical Waste Management:

- Total Bio-medical generation (State & PRS):
- No. of Hospitals and Health Care Facilities:
- Status of Treatment Facility/ CBMWTF:

VII. Hazardous Waste Management:

- Total Hazardous Waste generation**(State & PRS):**
- 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. <u>Plastic Waste Management:</u>

- Total Plastic Waste generation (State & PRS):
- Treatment/ Measures adopted for reduction or management of plastic waste:

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

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

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

Gmail DDLABS AEL <tnpcbprs@gmail.com>

DTP- MPR format January 2021 - reg

2 messages

DTP System Analyst <dtpsystem@gmail.com> Wed, Feb 17, 2021 at 7:58 AM
To: tnpcbprs@gmail.com

--
Sir / Madam,

* Please see the attached file.*

****

Directorate of Town Panchayats,
7th & 8th Floor,
Urban Administrative Building,
Chennai - 600 028.

[image: logo]

"Go Green. Save Paper" *
Print only if necessary & use both sides of Paper - this will preserve trees on planet earth.

MPR format January 2021.docx
42K

DDLABS AEL <tnpcbprs@gmail.com> Wed, Feb 17, 2021 at 10:32 AM
To: DTP System Analyst <dtpsystem@gmail.com>

Thank You Sir

[Quoted text hidden]

Annexure – II

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_Tamil Nadu

Overall status of the State:

I. Total Population: 8074608

II. Estimated Sewage Generation (MLD):452.18 MLD

III. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	**State**	**PRS**
1	Existing no. of STPs and Treatment Capacity (in MLD)	**5**	**-**
2	Capacity Utilization of existing STPs	**7.554 MLD**	**-**
3	MLD of sewage being treated through Alternate technology	**3 MLD**	**-**
4	Gap in Treatment Capacity in MLD	**425.011**	**12.775**
5	No. of Operational STPs	**5**	**-**
6	No. of Complying STPs	**3**	**-**
7	No. of Non-complying STPs	**2**	**-**

Details of each existing STP in the State & PRS

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Mamallapuram TP	2.34	1.00	Operational	Complied
2	Orathanadu TP	2.30	1.30	Operational	Complied
3	Thiruchendur TP	3.90	1.40	Operational	Trial Run
4	Palanichettypatti TP	2.80	2.80	Operational	Trial Run
5	Thirumazisai TP	3.00	1.00	Operational	Complied
Septage Management					
6	Karunguzhi	0.024	0.024	Operational	
7	Periyanaikanpalayam	0.03	0.03	Operational	

	14.394	**7.554**		

Details of under construction STPs in the State & PRS

Sl.No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ulunderpettai TP	3.15	99% completed	6176/6450	Feb-21
2	Sriperumbudur TP	8.50	80% completed	5028/6000	Apr-21
3	Velankanni TP	2.33	100% completed	1435/2280	Feb-21
4	Thiruporur TP	4.02	63% completed(UGSS	3302/4479	Dec-21
5	Ponneri TP	6.52	39% completed	1670/7605	Mar-21
6	Manachanallur TP	6.41	97% completed	3652/3652 2320/2320	Mar-21
7	S.Kannanur TP				
8	Vallam TP	2.35	84% completed	3140/3787	Mar-21
9	Perundurai TP	3.14	92% completed	3502/3946	Mar-21
10	Melachokanathapuram TP	2.00	57% completed	2460/4500	May-21
	Total	**38.42**		**31782**	
Septage Management					
11	Mudukulathur TP	0.015	85% completed	-	Feb-21
12	Jalakandapuram TP	0.015	95% completed	-	Feb-21
13	Pennagaram TP	0.015	25% completed	-	APR-21
14	Kaveripattinam TP	0.015	70% completed	-	Mar-21
15	Chengam TP	0.020	92% completed	-	Mar-21
16	Kurumbalur TP	0.010	65% completed	-	Mar-21
17	Pennadam TP	0.010	40% completed	-	May-21
18	Alangayam TP	0.015	75% completed	-	Mar-21

Details of proposed STPs in the State & PRS

S. No	Name of the ULB	STP/FSTPs	STP/FSTPs capacity in MLD/ KLD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
1	Musiri TP	-	-	DPR Stage	-	-	PWD	-	DPR is under preparation by WAPCOS/ PWD.
2	Sirugamani TP	-	-	DPR Stage	-	-	PWD	-	"
3	Mohanur TP	-	-	DPR Stage	-	-	PWD	-	"
4	Velur TP	-	-	DPR Stage	-	-	PWD	-	"
5	Punjai Pugalur TP	-	-	DPR Stage	-	-	PWD	-	"
6	Bhavani sagar TP	-	-	DPR Stage	-	-	PWD	-	"
7	Sirumugai TP	-	-	DPR Stage	-	-	PWD	-	"
8	Madathukulam TP	-	-	DPR Stage	-	-	PWD	-	"
9	Omalur TP	-	-	DPR Stage	-	-	PWD	-	"
10	Poallampatty TP	-	-	DPR Stage	-	-	DTP	-	Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. The DPR will be expected to be ready by 31.03.2021.
11	Pethanaickenpalayam TP	-	-	DPR Stage	-	-	DTP	-	"
12	Yethapur TP	-	-	DPR Stage	-	-	DTP	-	"
13	Belur TP	-	-	DPR Stage	-	-	DTP	-	"
14	Srivaikundam TP	-	-	DPR Stage	-	-	DTP	-	"
15	Authoor TP	-	-	DPR Stage	-	-	DTP	-	"
16	Eral TP	-	-	DPR Stage	-	-	DTP	-	"
17	Alwarthirunagari TP	-	-	DPR Stage	-	-	DTP	-	"
18	Then Thiruperai TP	-	-	DPR Stage	-	-	DTP	-	"
19	Arumuganeri TP	-	-	DPR Stage	-	-	DTP	-	"
20	Mukkudal TP	-	-	DPR Stage	-	-	DTP	-	"
21	Gopalasamudram TP	-	-	DPR Stage	-	-	DTP	-	"

22	Kallidaikurichi TP	-	-	DPR Stage	-	-	DTP	-	"
23	Cheranmahadevi TP	-	-	DPR Stage	-	-	DTP	-	"
24	Veeravanallur TP	-	-	DPR Stage	-	-	DTP	-	"
25	Patthamadai TP	-	-	DPR Stage	-	-	DTP	-	"
26	Mela Seval TP	-	-	DPR Stage	-	-	DTP	-	"
27	Kuthalam TP	-	-	DPR Stage	-	-	PWD	-	DPR is under preparation by WAPCOS/ PWD.
28	Thirukattupalli TP	-	-	DPR Stage	-	-	PWD	-	"
29	Thiruvaiyaru TP	-	-	DPR Stage	-	-	PWD	-	"

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	Mangadu Opp to SWM,at pattur road		DPR stage-Comprehensive UGSS in Poonamallee cluster A with Mangadu Town Panchayat and 12 Village Town Panchayat	MAR-2021
2	Chitlapakkam		Detailed project Report prepared under TNUIFSL for Sembakkam cluster basis with 13 local bodies(Fund assistance from Project Development Grant Fund)	
3	Madampakkam		Detailed project Report prepared under TNUIFSL for Sembakkam cluster basis with 13 local bodies(Fund assistance from Project Development Grant Fund)	
4	Peerkankaranai		DPR has to be prepared through TNUIFSL on cluster basis	
5	Perungalathur		DPR has to be prepared through TNUIFSL on cluster basis	
6	Thiruneermalai		DPR as to be prepared through TNUIFSL by cluster basis	
Total				

IV. Details of Industrial Pollution:

- No. of industries in the State & PRS:

- No. of water polluting industries in the State & PRS:
- 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 in State & PRS:
- Number of industrial units connected to CETP:
- 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)
- 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 – **State – 528 & PRS - 29**
- Current Municipal Solid Waste Generation **(State - 2100 MT & PRS - 125.73 MT)**
- 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

State	**PRS**
Total MSW generated - 2100 TPD	**Total MSW generated - 125.73 TPD**
Total MSW processed - 1819.21 TPD	**Total MSW processed - 109.47 TPD**
Gap in processing - 280.79 TPD	**Gap in processing - 16.26 TPD**

S.No	Description	State			PRS		
		Nos	Installed Capacity MT	Utilization Capacity TPD	Nos	Installed Capacity MT	Utilization Capacity TPD
1	Windrow & Vermi Composting	735	6913.14	844	43	402	110
2	De-Centralised	42	118.02	90	4	7	7
3	Bio-Gas / Bio-Methanation	20	167.37	105	3	6	6
4	RRC	527		780	29	34	29

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

State & PRS – Incinerators & Pyrolysis Plant is proposed to install for processing non-recyclable dry waste in cluster basis

- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) **(State & PRS)**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source

State	PRS
Total no. of wards - 8288 **Door to Door collection – 7956** **Source segregation – 7459**	**Total no. of wards - 465** **Door to Door collection – 451** **Source segregation – 414**

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

✓ **So far 5 Incinerators has been completed remaining 5 Nos are under progress.**
✓ **So far 2 Pyrolysis has been completed remaining 8 Nos are under progress.**
✓ **For remaining Town Panchayats Incinerators & Pyrolysis are been proposed to install for processing non-recyclable dry waste in cluster basis.**

- 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

STATE

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	Plant Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
528	**2100**	**1819.21**	**1.windrow compost**	**6250.47 TPD**	**Incinerators are proposed to install for processing non-recyclable dry waste in cluster basis**
			2.vermi compost	**662.67 TPD**	
			3.Decentralized composting	**118.02 TPD**	
			4. Biogas	**167.37 TPD**	
			5.Incinerator	**Under construction will be completed before March2021**	
			6.Pyrolysis	**Under construction will be completed before March2021**	

PRS

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	Plant Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
29	**125.73**	**109.47**	**1.windrow & Vermi compost**	**402 MT**	**Incinerators & Pyrolysis Plant are proposed to install for processing non-recyclable dry waste in cluster basis**

VI. Bio-medical Waste Management:

- Total Bio-medical generation (State & PRS):
- No. of Hospitals and Health Care Facilities:
- Status of Treatment Facility/ CBMWTF:

VII. Hazardous Waste Management:

- Total Hazardous Waste generation **(State & PRS):**
- 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:

- Total Plastic Waste generation **State - 120 TPD** & **PRS – 6.9 TPD**
- Treatment/ Measures adopted for reduction or management of plastic waste:

  Recyclable/ Saleable plastics are been sold to authorized vendors

  Non- saleable plastics are been sent to cement factories and are used as a component for laying roads

  Incinerators & Pyrolysis plants are proposed to install for processing non-recyclable dry waste in cluster basis

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;

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.

***Note: Incremental progress made by the State/UT in each activity to be provided.**

XXVI.

Gmail DDLABS AEL <tnpcbprs@gmail.com>

NGT - MPR - January -2021 - Reg.

1 message

DRD&PR Chennai- TN <tnsbmg@gmail.com> Fri, Feb 5, 2021 at 2:46 PM
To: DDLABS AEL <tnpcbprs@gmail.com>
Cc: cgs2rdpr@tn.gov.in

--
Sir/Madam,

Please see the attachment folder.

for CRD & PR

DRD&PR-NGT-MPR-JAN-2021.pdf
378K

From
Commissioner,
Rural Development and Panchayat Raj,
Panagal Building, Saidapet,
Chennai 600 015.

To
The Chairman,
Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy,
Chennai - 600 032.

Roc. No.16503/2018/SBM(G)-3 dt.04.02.2021.

Sir,

Sub: TNPCB - Environment Control - Hon'ble National Green Tribunal OA No. 673/2018 - "Rejuvenation of Polluted River Stretches" - Monthly Progress for the month of January-2021 – Sent - Regarding.

Ref: 1. Additional Chief Secretary to Government, Rural Development and Panchayat Raj, Letter No.3870/CGS.1/2020-3, Dated:25.07.2020.
2. Reports received from the Districts.

*****

I invite your kind attention to the references cited.

In the reference 1st cited, Government have requested to send an Action Taken Report in the prescribed format (as requested by the Central Pollution Control Board / Government of India) to the Chairman, Tamil Nadu Pollution Control Board by the first week of every month, so as to consolidate the same for onward transmission to the Central Pollution Control Board / Government of India for compliance of the order of the National Green Tribunal in O.A.673 of 2018.

In this connection, a consolidated monthly progress report for the month of January-2021 in the prescribed format is sent herewith for kind reference and information.

Enel: Format.

For Commissioner.

Copy:
Additional Chief Secretary to Government,
Rural Development and Panchayat Raj Department,
Secretariat, Chennai – 09.

Rural Development and Panchayat Raj.

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 Month of January-2021

Overall status of the State:

I. Total Population: Rural Population separately: 4,04,86,223

II. Estimated Sewage Generation (MLD): 1130

III. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	State	PRS
1	Existing no. of STPs and Treatment Capacity (in MLD)	-	-
2	Capacity Utilization of existing STPs	-	-
3	MLD of sewage being treated through Alternate technology	**749**	**1.56**
4	Gap in Treatment Capacity in MLD(Grey water)	**381**	**0**
5	No. of Operational STPs	-	-
6	No. of Complying STPs	-	-
7	No. of Non-complying STPs	-	-

*Gap will be addressed by construction of individual soakpit in phased manner, priority will be given to water body areas.

Details of each existing STP in the State & PRS

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

Details of under construction STPs in the State & PRS

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

Details of proposed STPs in the State & PRS

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				
Total				

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				
Total				

IV. Details of Industrial Pollution:

- No. of industries in the State & PRS:
- No. of water polluting industries in the State & PRS:
- 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 in State & PRS:
- Number of industrial units connected to CETP:
- 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)
- 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 Rural Local Bodies and their Population: 12525 Village Panchayats, Population 4,04,86,223
- Current Municipal Solid Waste Generation **(State & PRS): 1965 TPD & 8.30 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 **(State & PRS) : 12525 & 31**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) **(State & PRS)**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) **(State & PRS)**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source **(State & PRS) : 12525 Village Panchayats & 31 Village Panchayats.**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) **(State & PRS) MCC – 321&1** (proposed)
- 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.

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
Total					

VI. Bio-medical Waste Management:

- Total Bio-medical generation (State & PRS):
- No. of Hospitals and Health Care Facilities:
- Status of Treatment Facility/ CBMWTF:

VII. Hazardous Waste Management:

- Total Hazardous Waste generation **(State & PRS):**
- 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. <u>Plastic Waste Management:</u>

- Total Plastic Waste generation (State & PRS):
- Treatment/ Measures adopted for reduction or management of plastic waste: Plastic Shredding units available at 1 per Districts provided under SWM Scheme.

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;

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

Gmail DDLABS AEL <tnpcbprs@gmail.com>

NGT 673 - SIX POLLUTTED RIVER STRETCHES - MONTHLY PROGRESS REPORT FOR MONTH OF JANUARY 2021 - SUBMITTED - REGARDING

1 message

CE GROUNDWATER <cegwchennai@gmail.com> Fri, Feb 26, 2021 at 4:51 PM
To: DDLABS AEL <tnpcbprs@gmail.com>, PWDSecretary <pwdsec@tn.gov.in>, eicwrdtn <eicwrdtn@gmail.com>

Respected sir,
Please find the attachments.

--
Sir,
Kindly download the attached file.

for Chief Engineer, SG&SWRDC

13 attachments

- **MPR for Jan-21_ Sarabanga river.docx** 21K
- **MPR for Jan- 21_ Vasista river.docx** 20K
- **Cv. lr to TNPCB.pdf** 332K
- **MPR for Jan-21_Bhavani river.docx** 21K
- **MPR for Jan- 21_ Vasista river.pdf** 624K
- **MPR for Jan-21_Cauvery river.docx** 24K
- **MPR for Jan-21_ Sarabanga river.pdf** 848K
- **MPR for Jan-21_Bhavani river.pdf** 705K
- **MPR for Jan-21_Thamirabarani river.docx** 24K
- **MPR for Jan-21_Cauvery river.pdf** 929K
- **MPR for Jan-21_Thirumanimutharu river.docx** 22K
- **MPR for Jan-21_Thamirabarani river.pdf** 938K
- **MPR for Jan-21_Thirumanimutharu river.pdf** 697K

GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT
PUBLIC WORKS DEPARTMENT

From
Er. S. Prabakaran, B.E.,
Chief Engineer, WRD,
State Ground & Surface Water
Resources Data Centre
Public Works Department
Tharamanai, Chennai - 600 113.
Email: cegwchennai@gmail.com

To
Deputy Director,
Tamil Nadu Pollution Control Board,
76, Mount Salai,
Guindy,
Chennai – 600 032

Lr. No: / RRC / AGC /2020 Dated: 26.02.2021

Sir,

Sub: NGT Case No 673/2018- Central Monitoring Committee (CMC) -Tamil Nadu Pollution Control Board (TNPCB) - Submission of Monthly Progress Report in the prescribed formats for the month of **January – 2021,** for **Six Polluted river stretches**- Submission - Regarding.

Ref: Email letter received from Deputy Director, TNPCB dated 5.1.2020 Addressed to Chief Engineer State Ground & Surface Water Resources Data Centre, Chennai.

The monthly progress reports of the following polluted River stretches are herewith enclosed in the prescribed format.

(i) **Thathayampatti to T.Konagapadi in** Sarabanga River
(ii) **Manivilundhan to Thiyaganur in** Vasista River
(iii) **Salem to Papparapatti in** Thirumanimutharu River
(iv) **Mettur to Mayiladuthurai in** Cauvery River
(v) **Sirumugai to Kalingarayan in** River Bhavani
(vi) **Pappankulam to Arumuganeri in** River Thamirabarani

(Sd/-)
Er. S. Prabakaran,
Chief Engineer (SG & SWRDC).
Tharamani, Chennai -113

Enclosure: Monthly progress reports

Copy presented to the Principal Secretary, to Government, PWD, Fort. st. George, Chennai-9
Copy to Engineer- in- Chief and Chief Engineer (General), WRD, Chepauk, Chennai- 5

26/2/21

for Chief Engineer (SG & SWRDC)
Tharamani, Chennai -113

Format for Submission of Monthly Progress Report by States/ UTs

(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

For the Month of **January 2021 for TNPWD WRD**

Reach: Sarabanga River Thathayampatti to T.Konagapadi

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

The State Ground and Surface Water Resources Data Centre is having monitoring wells for observation of ground water quality in Danishpet, Omalur, Idaipadi, Thevur and Tharamangalam areas. While considering the Total dissolved solids of this stretch it is found to vary between 399mg/L to 1885 mg/L. Danishpet is having TDS of good quality whereas the rest of the places having TDS value in the range of moderate quality.

The State Ground and Surface Water Resources Data centre is having water quality data for the lesser number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen(DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform have to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that surface water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

XIV. Ground water regulation:

1.	**Control of illegal Groundwater Abstraction**	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally **683** packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government.

XV. Good irrigation practices being adopted by the State:

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
5	2	10 Recharge wells

XVII. Demarcation of Flood plain and removal of illegal encroachments:

Drone Survey has been completed by WAPCOS in January 2021. The draft DPR prepared by M/S WAPCOS for conducting the above survey for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and is under the scrutiny of PWD. The tentative cost of the DPR is around 2 crores. Encroachment if any identified during the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.

XVIII. Maintaining minimum e-flow of river:

This river is only a flood carrier. The sewage water enters in to the river in Edapaddi Municipality, Omalur Town Panchayat and Poolampatti Town Panchayat. The above treatment plants are proposed under Nadanthai Vaazhi Cauvery for which a draft DPR has been prepared by M/S WAPCOS and has been submitted is under the scrutiny of PWD. E flow will be maintained in this river after completion sewage treatment plants by March 2022, as the treated water will flow as environmental flow.

XIX. Plantation activities along the rivers:

It is proposed to plant around 32,400 samplings under Nadanthai Vaazhi Cauvery for which a draft DPR has been prepared by M/S WAPCOS and submitted and is under the scrutiny of PWD. Plantation work will be completed in March 2022.

XX. Development of biodiversity park:

Drone Survey has been completed by WAPCOS in January 2021. A draft DPR prepared by M/S WAPCOS and has been submitted and is under the scrutiny of PWD. This work will be completed in March 2022.

26/2/21

for Chief Engineer (SG & SWRDC)

Format for Submission of Monthly Progress Report by States/ UTs

(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

For the Month of **January 2021** for TNPWD WRD

Reach: Vasista River Thathayampatti to T.Konagapadi

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

The SG&SWRDC is having monitoring wells for observing water quality data for the areas Papanaickenpatti, Yethapur, Athur and Thalaivasal. The analytical reports of the ground water analysis of these areas reveals that water quality is of the order of both good and moderate. The TDS values of these areas ranging between 336 to 1029 mg/L.

The State Ground and Surface Water Resources Data centre is having water quality data for lesser number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen(DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

XIV. Ground water regulation:

1.	**Control of illegal Groundwater Abstraction**	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally **683** packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government..

XV. Good irrigation practices being adopted by the State:

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
16	---	---

XVII. Demarcation of Floodplain and removal of illegal encroachments:

No Flood plains zones have been identified. No Encroachment has also been identified in the stretch. In case of any encroachments reported in the future by Revenue department, action will be taken for immediate eviction.

XVIII. Maintaining minimum e-flow of river:

This river is only a flood carrier. But the sewage water enters in to the river in Attur and Narasingapuram Municipality. After completion sewage treatment plants in the above location, the treated water will flow as environment flow.

XIX. Plantation activities along the rivers:

There is no proposal at present

XX. Development of biodiversity park:

There is no proposal at present

26/7/17

for Chief Engineer (SG & SWRDC)

Format for Submission of Monthly Progress Report by States/ UTs
(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)
for the Month of **January 2021** for TNPWD WRD

Reach: Salem to Papparapatti in Thirumanimutharu River

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

For this stretch the SG& SWRDC having monitoring wells for observation ground water quality in Salem, Attayampatti, and palapatti areas.

From the observed data it is inferred that the quality of water is in moderate level i.e in these places TDS value ranges between 500 to 2000mg/L

The State Ground and Surface Water Resources Data centre is having water quality data for lesser number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen(DO), Biochemical Oxygen Demand(BOD), Chemical Oxygen Demand(COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

XIV. Ground water regulation:

1.	**Control of illegal Groundwater Abstraction**	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally **683** packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government.

XV. Good irrigation practices being adopted by the State:

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
6	----	14 (Recharge well structures)

XVII. Demarcation of Flood plain and removal of illegal encroachments:

Drone Survey has been completed by WAPCOS in January 2021. The draft DPR prepared by M/S WAPCOS for conducting the above survey for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and is under the scrutiny of PWD. The tentative cost of the DPR is around 2 crores. Encroachment if any identified during the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.

XVIII. Maintaining minimum e-flow of river:

This river is only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under Nadanthai Vaazhi Cauvery. A draft DPR preparation by M/S WAPCOS has been submitted and is under the scrutiny of PWD. E flow will be maintained in this river after completion sewage treatment plants by March 2022, as the treated water will flow as environmental flow.

XIX. Plantation activities along the rivers:

It is proposed to plant around 42,000 samplings under Nadanthai Vaazhi Cauvery for which a draft DPR prepared by M/S WAPCOS has been submitted by WAPCOS and is under the scrutiny of PWD. Plantation work will be completed in March 2022.

XX. Development of biodiversity park:

Drone Survey is completed by WAPCOS in January 2021. A draft DPR prepared by M/S WAPCOS has been submitted and is under the scrutiny of PWD. This work will be completed in March 2022.

26/2/21

for Chief Engineer (SG & SWRDC)

Format for Submission of Monthly Progress Report by States/ UTs
(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)
for the Month of **January 2021** for TNPWD WRD

Reach: Mettur to Mayiladuthurai stretch in Cauvery River

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

This river stretch comprises districts of Dharmapuri, Erode, Salem, Namakkal, Karur, Trichy, Cuddalore and Thanjavur. The State Ground water Department is having ground water quality data for the areas of Dharmapuri, Mettur, Bhavani, Salem, Paramathivelur, Namakkal, Kumarapalayam, Karur, Erode, Musiri, Trichy, Kulithalai, Thanjavur, Kumbakonam and Mayiladuthurai. While considering the TDS value of Dharmapuri taluk it is found to vary between 523 to 2096 mg/L and the quality of ground water lies between Moderate to poor. In case of Bhavani river the TDS values ranging between Good to moderate. While reviewing WQ data of Salem, the TDS values found to vary between 412 to 2845mg/L, the available ground water in Salem is having good, moderate and poor quality with major proportion moderate ground water. The water quality data of Namkkal shows the TDS values exceed even 6000mg/L in some places with wide distribution of moderate water quality. While reviewing the water quality data of Trichy and Musiri the water quality is found to vary between good and moderate in most of the places with very few places having poor quality. Most of the locations in Cuddalore and Thanjavur are having good quality water. Few places of Cuddalore having TDS of the order of 5000 to 6000mg/L.

The State Ground and Surface Water Resources Data centre is having water quality data for lesser number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen(DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

XIV. Ground water regulation:

1.	**Control of illegal Groundwater Abstraction**	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally **683** packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government.

XV. Good irrigation practices being adopted by the State:

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
44	10	29

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Drone Survey has been completed by WAPCOS in January 2021. The draft DPR prepared by M/S WAPCOS for conducting the above survey for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and is under the scrutiny of PWD. The tentative cost of the DPR is around 20 crores. Encroachment if any identified during the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.

XVIII. Maintaining minimum e-flow of river:

Mettur dam is opened for irrigation from June 12th to January 28th based on availability of water every year. It is opened for drinking purpose in the remaining days, During the monsoon period at flood time the maximum

flood discharge in the river has been 284606 cusecs On 08.07.1961. Usually a monthly minimum average E flow of 0.10 TMC is maintained. The E flow is maintained for more than 8 months. During the month of January 21 an E Flow of **0.095** TMC was maintained.

XIX. Plantation activities along the rivers:

It is proposed to plant around 1,44,500 samplings under Nadanthai Vaazhi Cauvery for which a draft DPR prepared by M/S WAPCOS and has been submitted and is under the scrutiny of PWD. Plantation work will be completed in March 2022.

XX. Development of biodiversity park:

Drone survey has been completed by WAPCOS in January 2021. A draft DPR prepared by M/S WAPCOS and has been submitted and is under the scrutiny of PWD. This work will be completed in March 2022.

26/4/4

for Chief Engineer (SG & SWRDC)

Format for Submission of Monthly Progress Report by States/ UTs

(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

For the Month of **January 2021** for TNPWD WRD

Reach: Sirumugai to Kalingarayan stretch in Bhavani River

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

The general distribution of ground water quality varies between Good to moderate level. Especially Nilgiris is having good quality water.

The State Ground and Surface Water Resources Data centre is having water quality data for number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

XIV. Ground water regulation:

1.	**Control of illegal Groundwater Abstraction**	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally **683** packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government.NIL

XV. Good irrigation practices being adopted by the State:

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach, DRIP irrigation is practiced.

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
13	3	17

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Drone Survey has been completed by WAPCOS in January 2021. The draft DPR prepared by M/S WAPCOS for conducting the above survey for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and is under the scrutiny of PWD. The tentative cost of the DPR is around 2 crores.

55 nos of encroachments are to be removed which belong to fishing community. Recommendations for alternate land has been sent to Secretary to Government Revenue department by Commissioner for Revenue administration vides letter no F.2/41632/2005/Dt.15.2.2006.

XVIII. Maintaining minimum e-flow of river:

An E flow of **57,277** cusecs (including Irrigation purpose) was maintained in the river Bhavani during the Month of January 2021.

XIX. Plantation activities along the rivers:

It is proposed to plant around 86,500 samplings under Nadanthai Vaazhi Cauvery for which a draft DPR has been prepared by M/S WAPCOS and is under the scrutiny of PWD. Plantation work will be completed in March 2022.

XX. Development of biodiversity park:

Drone Survey has been completed by WAPCOS in January 2021. This is proposed to be taken up under Nadanthai Vaazhi Cauvery for which a draft DPR prepared by M/S WAPCOS and has been submitted and is under the scrutiny of PWD. This work will be completed in March 2022.

26/2/21

for Chief Engineer (SG & SWRDC)

Format for Submission of Monthly Progress Report by States/ UTs
(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

For the Month of **January 2021** for TNPWD WRD

Reach: Pappankulam to Arumuganeri Stretch in Thamirabarani River

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

In Tamiraparani stretch, this department is having water quality data for cheranmadevi, Thiruvidaimaruthur, Ambasamudram, Thirunelveli, Palayamkottai, and Ariyanaygipuram. The collected data shows the ground water quality of this stretch is having all three types of good, poor and moderate based on TDS.

The State Ground and Surface Water Resources Data centre is having water quality data for lesser number locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen(DO), Biochemical Oxygen Demand(BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that surface water samples may be collected along the river stretches and analysis may be performed for pollution parameters to identify the extent of pollution.

XIV. Ground water regulation:

Sl.No	Activity to be monitored	Monthly Progress for the month of January 2021
1.	**Control of illegal Groundwater Abstraction**	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally **683** packaged drinking water firms who were illegally operating have been sealed and closed throughout Tamil Nadu. In this basin area **9** illegally operating firkas have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government.

XV. Good irrigation practices being adopted by the State:

Village level awareness campaign were conducted periodically by PWD officials to adopt the crop rotation to have a good irrigation practices. Rehabilitation and modernization of Tanks, Anicuts and Supply channels are being carried out in TNIAMP project vide GO Ms No: 140 PW (WR 1) Dept Dt: 21.06.2017 for an amount of Rs.107.09 crores. Kudimaramath woks Vide G.O (Ms).No.98PW(W1)Dept/Dt: 22.04.2020 for an amount of Rs. 16.365 Crores. Is carried out in Tirunelveli and Thoothukudi Districts.

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
7	2	230 (Barrages 3 nos at cost of Rs. 230 Crores. Check dam 2 nos at cost of Rs. 76 Crores, Artificial Recharge well 221 nos and Recharge shaft 4 nos at a cost of Rs. 88.496 Crores.)

XVII. Demarcation of Floodplain and removal of illegal encroachments:

To prepare comprehensive flood protection plan for Thamirabarani River Rs. 4.00 Lakhs has been alloted vide GO Ms. No. 37 Revenue (DMII) Department 9.02.2017. Estimate has been prepared for Rs. 4.00 Lakhs for the demarcation of Flood plain zone and steps are being taken for the Protection and management of Flood plain Zones of Thamirabarani River. Moreover in Tirunelveli Corporation, ProsopisJuliflora on the river stretches for a length of 10km from Vilagam to Naranammalpuram river bridge were removed at a cost of 140.00 lakhs vide GO(2D) No. 14 PW (P2) Dept Dated 8.03.2019 to restore the River course for a free flow flood water.

In River Banks of the Thamirabarani, the following encroachments were identified and demarcated by the water resources department/Public works department.

Sl. No	District	Encroachment Nos	Evicted Nos	Balance to be evicted Nos
1.	Tirunelveli	683	639	44
2.	Thoothukudi	1084	117	967
	Total	1767	756	1011

The issue of eviction notices to the encroachers under eviction of encroachment act is under progress in Tirunelveli and Thoothukudi Districts.

XVIII. Maintaining minimum e-flow of river:

An average of **3294 cusecs** of water is released into the river in the month of January 21 to ensure minimum environmental flow.

XIX. Plantation activities along the rivers:

At present there is no proposal on plantation on the River Banks and investigation works are being taken to implement it by Forest Department.

XX. Development of biodiversity park:

At present there is no proposal on biodiversity parks on the encroached River stretches and investigation works are being taken to implement it.

26/2/24

for Chief Engineer (SG & SWRDC)

Annexure

Details for filling up of the state dossiar & Polluted River stretches dossiar

CETPs (Tannery Sector)

Sl. No.	Name of the CETP	District	No. of industrial units connected to CETP	Consented Capacity (KLD)	Restricted Capacity (KLD)	Status & Operation of CETP	Status of compliance
1.	M/s. Vanitec Limited, Valayampattu Village, Vaniyambadi Taluk, Vellore District.	Thirupattur	133	3342	2000	Existing In operation	Generally complied with
2.	M/s. Ambur Tannery Effluent Treatment Company Ltd., Thuthipet Sector, Periavarikkam Village, Ambur Taluk,Vellore District.	Thirupattur	49	2219	1150	Existing In operation	Generally complied with
3.	M/s. Ambur Tannery Effluent Treatment Co. Ltd. (Maligai Thope Sector), Ambur Village,Ambur Taluk, Vellore District.	Thirupattur	17	1100	330	Existing In operation	Generally complied with
4.	M/s. Talco Pernambut Tannery Effluent Treatment Company Limited, Chinnathamalsiruvu Village, Gudiyatham Taluk, Vellore District.	Vellore	36	891	600	Existing in operation	Generally complied with
5.	M/s. Ranipet Tannery Effluent Treatment Company Limited, Vannivedu Village, Walajah Taluk, Vellore District.	Ranipet	82	4500	3600	Existing In operation	Generally complied with

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Sl. No.	Name of the CETP	District	No. of industrial units connected to CETP	Consented Capacity (KLD)	Restricted Capacity (KLD)	Status & Operation of CETP	Status of compliance
6.	M/s. Visharam Tanners Enviro Control Systems Private Limited, Visharam Village, Walajah Taluk,Vellore District.	Ranipet	36	3400	600	Existing In operation	Generally complied with
7.	M/s. Ranipet Sidco Finished Leathers Effluent Treatment Company (P) Ltd., Karai Village,Walajah Taluk Vellore District.	Ranipet	88	2500	1875	Existing In operation	Generally complied with
8.	M/s. SIPCOT – SIDCO Phase – II Entrepreneur Finished Leather Effluent Treatment Co Ltd, Plot No. 105, Pulianthangal, Ranipet, Vellore District	Ranipet	20	1560	700	Existing In operation	Generally complied with
9.	M/s. Pallavaram Tanners Industrial Effluent Treatment Company Limited, Pammal Village, Alandur Taluk, Kancheepuram District.	Kancheepuram	144	3000	3000	Existing In operation	As per CPCB, direction issued by the Board vide Bd. Proc. Dt:29.08.2019. The CETP has requested Anna University, Chennai to conduct performance evaluation study. Anna University has carried out the study and the CETP has informed that the report is awaited

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Sl. No.	Name of the CETP	District	No. of industrial units connected to CETP	Consented Capacity (KLD)	Restricted Capacity (KLD)	Status & Operation of CETP	Status of compliance
10.	M/s. Madhavaram Leather Manufacturers Facility Private Limited, Madhavaram, Tiruvallur District	Thiruvallur	14	400	400	Existing In operation	Generally complied with
11.	M/s. TALCO Dindigul Tanners Enviro Control System Pvt Ltd. Pallapatti Village, Dindigul West Taluk, Dindigul District	Dindigul	49	2533	1517	Existing In operation	Generally complied with
12.	M/s. Perundurai Leather Industries Eco-Security Private Limited, Perundurai, Erode District	Erode	14	1000	1000	Existing Under maintenance work	Generally complied with
13.	M/s. TALCO Trichy Tannery Effluent Treatment Company Thiruvalachipatty and Gundur Village, Tiruverumbur Taluk, Trichy District.	Trichy	07	2515.96	220	Existing :n operation	Generally complied with
	Total		**689**	**28960.96**	**16992**		

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CETPs (Electroplating Sector)

Sl. No.	Name of the CETP	District	No. of industrial units connected to CETP	Consented Capacity (KLD)	Restricted Capacity (KLD)	Status & Operation of CETP	Status of compliance
1.	M/s. Madurai Electroplaters Industrial Park, Sivagangai District	Sivagangai	80 (39 member units exists at present)	49.6	49.6	Existing In operation	As per CPCB, direction issued by the Board vide Bd. Proc. Dt:29.03.2019. The CETP has fixed the OCEMS instrument and the OCEMS connectivity is under progress
2.	M/s. JBR Technologies Ltd., Ambattur, Tiruvallur District	Tiruvallur	122	200	200	Existing In operation	The CETP yet to install OCEMS and provide connectivity to CPCB
	Total		**202**	**249.6**	**249.6**		

Joint Chief Environmental Engineer

ANNEXURE

(I). CETP at Kanchipuram (Dyeing)

At present, the CETP of M/s. Ayyampet - Muthialpet Bleaching and Dyeing Effluent Treatment Company (P) Ltd, Kanchipuram was under closure and the power supply to the CETP was disconnected on 01.07.2019, as the CETP have not implemented ZLD system for their 36 member units. The Project Approval Committee, Ministry of Textiles, Government of India in its meeting held on 15.10.2019 has recorded that the IPDS scheme has to be revised for the above CETP's ZLD proposal.

(II). Progress of 10 CETPs of 41 MLD capacity

In Tamil Nadu, there are 10 CETPs proposed for the Textile Processing Units. The Tamil Nadu Pollution Control Board has issued Consent to Establish to these CETPs, based on Detailed Project Reports (DPRs) prepared by Indian Institute of Technology-Madras, Chennai. These DPRs along with TNPCBd recommendations are sent to the Director of Handlooms and Textiles for onward transmission to Ministry of Textiles (MoT), Government of India for obtaining fund under IPDS scheme, wherein Govt. of India share of 50% of total project cost and after, assuring the Govt. of Tamil Nadu share of 25% of total project cost. The remaining 15% will be contribution of beneficiary/SPV and finally 10% will be of loan by the CETPs. Once, the funding is allotted to the proposed CETPs, the work will be commenced, completed and then put into operation.

27.02.21

Joint Chief Environmental Engineer

27.02.2021

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VII. Hazardous Waste Management:

No.	Hazardous Waste Management	State
1.	Total Hazardous Waste generation	9,64,810.7 T/A
2.	No. of Industries generating Hazardous waste	3961 units
3.	Treatment Capacity of all TSDFs	Two Common TSDFs of M/s Tamil Nadu Waste Management Limited (TNWML) 1.TSDF Gummidipoondi Permitted land fillable hazardous waste in SLF- 1,00,000 T/A Permitted for Incineration of hazardous waste with incinerator of capacity-1.5 T/Hr. 2.TSDF Viruthunagar Permitted land fillable hazardous waste in SLF- 2,40,000 T/A
4.	Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	Land fillable hazardous waste- 90,296 T/A Incinerable hazardous waste- 7312 T/A
5.	Details of on-going or proposed TSDF	A common TSDF is proposed by M/s.Tamilnadu Waste Management Limited (TNWML Unit-3) at Plot No. 141A, 142 and 143 & SF No. 726 (Part) of Balethottam Village, Pochampalli Taluk, Krishnagiri District for which CTE was granted under Water & Air Acts for Direct landfill of Hazardous waste-83 TPD & landfillable hazardous waste after treatment -166 TPD.

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Bhavani Polluted river stretches from Sirumugai to Kalingarayan - 60 KM - Priority-IV

Sl. No.	Name of station	Station Code No.	Jan-21		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Badrakaliamman koil	1201	6.1	2.2	32
2	Sirumugai	1204	6.4	<2	21
3	Bhavanisagar	1321	6.0	2.4	14
4	Bhavani	1205	6.3	<2	43
5	Sathyamangalam	3019	6.3	<2	17
6	Kalingarayan Canal (B5)	3020	6.2	<2	70
7	Kalingarayan Canal (B10)	3021	5.9	2.5	170

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM - Priority - I

Sl.No.	Name of station	Station Code No.	Jan-21		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Mettur	50	6.5	<2	33
2	Pallipalayam	51	6.5	<2	130
3	Musiri Borewell	32	No Flow		
4	Musiri Ferry Gate	31	6.0	<2	32
5	Komarapalayam	3012	6.2	<2	84
6	Urachikottai	3013	6.0	2.3	33
7	Seerampalayam	3014	6.7	<2	32
8	Pugalur	3045	6.4	<2	210
9	Pettavaithalai	3016	6.4	<2	70
10	Kumbakonam	3017	6.8	<2	32
11	Mayiladurai	3018	5.8	3	58
12	R.N. Pudur	1322	6.1	<2	31
13	Vairapalayam	1320	6.4	<2	22
14	P. Velur	1323	6.6	<2	63
15	Mohanur	1324	6.7	2.1	79
16	Thirumukkudal	1451	6.6	<2	150
17	Trichy Upstream	1202	6.6	<2	63
18	Trichy Downstream	1325	6.4	<2	210
19	Grand Anaicut	1203	6.6	<2	26

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Sarabanga - Polluted river stretches from Thathayampatti to T.Konagapadi - 15 KM - Priority-I

Sl. No.	Name of station	Station Code No.	Jan-21		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Edappadi (River)	3024	No Flow		

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

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Water Quality Status of Polluted River Stretches

River Thamirabarani Polluted river stretches from Pappankulam to Arumuganeri - 80 KM - Priority-V

Sl. No.	Name of station	Station Code No.	Jan-21		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Papanasam	1159	7.8	<2	2
2	Cheranmadevi	1160	7.3	2.8	17
3	Kokirakulam	1161	7.2	2.6	13
4	Murapanadu	1162	7.6	2.8	23
5	Thiruvidaimarudur	1328	7.4	2.4	13
6	Ambasamudram	1329	7.6	2.6	2
7	Authoor	1330	7.5	3.1	63
8	Eral	3025	7.6	3.0	40
9	Kallidaikurichi	3026	6.2	3.2	17
10	Srivaikuntam	3027	7.5	2.8	33
11	Vellakovil	3028	6.5	3.2	11
12	Seevalaperi	3029	6.4	3.0	24

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Thirumanimutharu - Polluted river stretches from Salem to Papparapatti - 15 KM - Priority-I

Sl. No.	Name of station	Station Code No.	Jan-21		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Uthamasolapuram (River)	3022	3.0	12	840

Standard limit for BOD <3 mg/L

Standard limit for Fecal coliform <500 MPN/100ml

Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Vasista - Polluted river stretches from Manivilundhan to Thiyaganur - 10 KM - Priority-I

Sl. No.	Name of station	Station Code No.	Jan-21		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Thulukkanur (River)	3023	Nil	29	3100

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l