



TAMIL NADU POLLUTION CONTROL BOARD



From
Dr.Jayanthi.M, I.F.S.,
Chairperson,
Tamil Nadu Pollution Control Board,
76, Mount Salai
Guindy,Chennai-600032

To
The Additional Chief Secretary to Govt.,
Environment, Climate Change and
Forest Department,
Government of Tamil Nadu, Secretariat,
Chennai- 600 009.

Lr.No.TNPCB/DDL/F-6849/PRS-MPR/2019/dated:23.05.2024.

Madam,

Sub: TNPCB-Submission of Revised Monthly Progress Report for the month of **March 2024** -Regarding.

Ref: 1) CPCB Lr.No.F.No.A-14011/OA 673/2020-WQM-I/ 12178/
dt.04.02.2020.
2) T.O.Lr.No.TNPCB/DDL/F.6849/PRS/2019 dated:08.04.2024.

With reference to the Government of India's letter 1st cited, I submit herewith monthly progress report on action plans for the Polluted River Stretches in Tamil Nadu for the month of **March 2024** for kind perusal.

I request that the above report may kindly be forwarded to the Executive Director-Technical, National Mission for Clean Ganga, Ministry of Jal Shakthi, Government of India with a copy marked to Central Pollution Control Board, New Delhi.

This is submitted for favour of kind information and necessary action please.

Encl: As above

Sd/- Dr. Jayanthi.M,
Chairperson

//Forwarded by Order//

Joint Chief Environment Engineer
(WQMD)

Advance Copy to:

The Executive Director-Technical, NMCG, (Ministry of Jal Shakthi, Department of Water Resources, River Development & Ganga Rejuvenation, Government of India), First floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002.(we)

Copy to: File



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

Month: MARCH 2024.

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): 3938.29 MLD (State)
b. Estimated Sewage Generation (MLD): 400.47 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)	105 2366.93	17 335.38
2.	Existing No. of FSTP and Capacity (in MLD)	40 1.089	6 0.06
	Sewage being treated through Alternate technology (MLD)	1094.75	1.56
3.	Total	3462.769	337.00
4.	Gap in Treatment Capacity in MLD	475.521	63.47
5.	Under Construction STPs & FSTP (MLD)’	250.37	-
6.	Capacity Utilization of existing STPs& FSTPs	1071.20	165.11
7.	No. of Operational STPs	105	17
8.	No. of Complying STPs	105	17
9.	No. of Non-complying STPs	Nil	Nil

Note : The Utilization Capacity of 145 STPs & FSTPs including alternate technology which are being adopted in Rural Panchayats in the State is 62.96%.

Details of each existing STPs in Tamil Nadu& PRS					
No.	Location	Existing STP Capacity (MLD)	Capacity being utilized (MLD)	Operational Status of STP	Compliance Status of STP
	CMWSSB				
I	Cooum River	216.20	139.21		
1.	Koyambedu STP Zone – III	34	25.14	Operational	Complied
2.	Koyambedu STP Zone – III	60	52.05	Under Rehab	-
3.	Koyambedu STP Zone – III	120	61.64	Operational	Complied
4.	CRRT - Chetpet MSTP	1.0	0.38	Operational	Complied
5.	CRRT- Nungambakkam MSTP	1.2	0	Non-operational- Due to flooding, repair work in progress	-
II	Adyar River	181.60	84.81		

6	Nesapakkam STP Zone –IV	40	14.98	Operational	Complied
7	Nesapakkam STP Zone IV	54	28.76	Operational	Complied
8	Nesapakkam STP Zone -IV	50	34.17	Operational	Complied
9	Nesapakkam TTUF	10	5.50	Operational	Complied
10	CRRT - Todd Hunter Nagar MSTP	4	1.22	Operational	Complied
11	CRRT -Kotturpuram MSTPs	0.6	0.18	Operational	Complied
12	Nesapakkam STP Zone –IV	23	0	Non operational – Under study for Rehab	-
	Buckingham Canal	685	335.16		
13	Kodungaiyur STP Zone – II New	120	70.84	Operational	Complied
14	Kodungaiyur STP Zone – I	120	115.55	Operational	Complied
15	Perungudi STP Zone - V	12	11.96	Operational	Complied
16	Perungudi STP Zone-V	54	53.96	Operational	Complied
17	Perungudi STP Zone-V	60	59.96	Operational	Complied
18	Sholinganallur STP(phase I)	18	17.94	Operational	Complied
19	Thiruvottriyur STP	31	4.95	Operational	Complied
20	Kodungaiyur STP Zone I & II	110	0	Non- operational - Under Rehab	-
21	Kodungaiyur STP Zone II	80	0	Non- Operational – Flow diverted to 2 * 120 MLD	-
22	Kodungaiyur STP Zone I	80	0		-
	Total – 22 Nos.	1082.80	559.18		
DMA					
23	Coimbatore- Ukkadam	70.0	35.0	Operational	Complied
24	Coimbatore- Ondiputhur	60.0	3.00	Operational	Complied
25	Coimbatore- Nanjudapuram	40.0	10.00	Operational	Complied
26	Coimbatore- Kuruchi&Kuniyamuthur	30.53	-	Under trial run	Partially Complied
27	Vellore	10.28	8.0	Operational	Complied
28	Dindigul	13.65	4.0	Operational	Complied
29	Avadi	36.0	8.00	Operational	Complied
30	Avadi	4.0	2.00	Operational	Complied
31	Madurai-1	125.0	24.0	Operational	Complied
32	Madurai-2	45.70	15.0	Operational	Complied

33	Thanjavur	28.05	14.00	Operational	Complied
34	Tiruppur	15.0	8.50	Operational	Complied
35	Tiruppur(Expansion of existing STP)	15.0	-	Under trial run	Partially Complied
36	Tiruppur (Sarkarperiyapalayam)	36.0	-	Under trial run	Partially Complied
37	Tiruppur (Chinnandipalayam)	20.0	-	Under trial run	Partially Complied
38	Cuddalore	12.25	6.70	Operational	Complied
39	Kanchipuram	14.70	14.70	Operational	Complied
40	Maraimalai Nagar	2.20	2.20	Operational	Complied
41	Tiruvallur	6.20	5.50	Operational	Complied
42	Chidambaram	9.44	7.60	Operational	Complied
43	Thiruvannamalai	8.70	5.25	Operational	Complied
44	Viluppuram – Kakuppam	9.0	8.00	Operational	Complied
45	Viluppuram -Erumanthangal	3.50	2.50	Operational	Complied
46	Arakkonam	11.04	4.0	Operational	Complied
47	Thirupathur	11.43	4.0	Operational	Complied
48	Bodinayakkanur	12.08	5.50	Operational	Complied
49	Chinnamanur	3.99	3.72	Operational	Complied
50	Periyakulam	5.47	4.0	Operational	Complied
51	Ramanathpuram	7.0	6.50	Operational	Complied
52	Rasipuram	6.96	3.50	Operational	Complied
53	Theni-Allinagaram	12.05	9.50	Operational	Complied
54	Sivagangai	4.92	3.50	Operational	Complied
55	Dharmapuri	4.86	3.90	Operational	Complied
56	Karur	15.0	6.50	Operational	Complied
57	Krishnagiri	12.34	8.0	Operational	Complied
58	Namakkal	7.0	6.20	Operational	Complied
59	Nagapattinam STP-1	9.63	5.10	Operational	Complied
60	Nagapattinam STP-2	2.69	1.10	Operational	Complied
61	Tiruvarur	6.92	4.10	Operational	Complied
62	Ariyalur	4.16	2.10	Operational	Complied
63	Pudukkottai	10.62	8.50	Operational	Complied
64	Perambalur	4.20	3.60	Operational	Complied

65	Udhagamandalam	5.0	4.0	Operational	Complied
66	Udumalaipet	7.81	4.85	Operational	Complied
67	Virudhunagar	7.65	3.80	Operational	Complied
68	Tambaram	30.0	14.0	Operational	Complied
69	Tuticorin	28.0	9.0	Operational	Complied
70	Thiruchendur	3.90	2.0	Operational	Complied
71	Ulunderpettai	3.15	0.67	Under trial run	Complied
72	Pollachi	11.25	2.90	Under trial run	Complied
73	Sattur	4.65	1.50	Under trial run	Complied
74	Karaikudi	16.0	0.50	Under trial run	Partially Complied
75	Nagercoil	17.66	-	Under trial run	Partially Complied
76	Rajapalayam	21.85	6.60	Operational	Complied
77	PRS -Tiruchirappalli	58.0	58.0	Operational	Complied
78	Tiruchirappalli – STP 2	37.0	-	Under trial run	Partially Complied
79	Salem - Vellakuttai STP	13.0	12.0	Operational	Complied
80	Salem - Anaimeedu STP	6.0	5.0	Operational	Complied
81	Salem - Mankuttai STP	35.0	29.0	Operational	Complied
82	Salem - Vandipettai STP	44.0	1.0	Operational	Complied
83	Tirunelveli	24.20	10.50	Operational	Complied
84	Erode	50.55	25.0	Operational	Complied
85	Mettur STP-1	0.82	0.354	Operational	Complied
86	Mettur STP-2	0.92	0.314	Operational	Complied
87	Mettur STP-3	5.45	2.834	Operational	Complied
88	Kumbakonam	17.0	13.50	Operational	Complied
89	Mayiladuthurai	5.85	5.85	Operational	Complied
90	Sathiyamanagalam	4.08	1.0	Operational	Complied
91	Mettupalayam	8.65	0.70	Operational	Complied
92	Ambur	16.71	-	Under trial run	Partially Complied
	Total - 70 Nos.	1251.71	492.14		
	CTP				
93	Mamallapuram TP	2.34	2.34	Operational	Complied
94	Orathanadu TP	2.30	1.60	Operational	Complied
95	Palanichettypatti TP	2.80	2.80	Operational	Complied
96	Thirumazisai TP	3.0	3.0	Operational	Complied
97	Velankanni TP	2.33	1.80	Operational	Complied

98	Manachanallur TP	6.41	1.85	Operational	Complied
99	S. kannanur TP				
100	Vallam TP	2.35	2.35	Operational	Complied
101	Perundurai TP	3.14	0.35	Operational	Complied
102	Melachokanathapuram TP	2.0	1.90	Operational	Complied
103	Sulur	2.17	0.80	Operational	Complied
104	Cheranmahadevi	1.97	-	Operational	Partially Complied
105	Patthamadaai	1.61	-	Operational	Partially Complied
	Total (13 Nos)	32.42	18.79		
Grand Total (105 Nos.)		2366.93	1070.11		

Details of existing FSTPs in Tamil Nadu

S.No.	Location	Existing STP Capacity MLD	Capacity Being Utilized MLD	Operational Status of STP	Compliance Status of STP
	DMA				
1	Kangeyam	0.02	0.02	Operation	Complied
2	Kovilpatti	0.04	0.04	Operation	Complied
3	Tirumangalam	0.04	0.04	Operation	Complied
4	Dharapuram	0.03	0.03	Operation	Complied
5	Sengottai	0.02	0.02	Operation	Complied
6	Thuraiyur	0.02	0.02	Operation	Complied
7	Vickramasingapuram	0.03	0.03	Operation	Complied
8	Edappadi	0.03	0.03	Operation	Complied
9	Kadayanallur	0.04	0.04	Operation	Complied
10	Pattukottai	0.03	0.03	Operation	Complied
11	Tiruchengode	0.04	0.04	Operation	Complied
12	Melur	0.02	0.02	Operation	Complied
13	Ambasamuduram	0.03	0.03	Operation	Complied
14	Mannargudi	0.03	0.03	Operation	Complied
15	Aruppukottai	0.04	0.04	Operation	Complied
16	Sankarankoil	0.03	0.03	Operation	Complied
17	Vandavasi	0.02	0.02	Operation	Complied
18	Gudiyatham	0.03	0.03	Operation	Complied
19	Tenkasi	0.04	0.04	Operation	Complied

20	Paramakudi	0.04	0.04	Operation	Complied
21	Srivilliputhur	0.03	0.03	Operation	Complied
22	Cumbum	0.04	0.04	Operation	Complied
23	Koothanallur	0.02	0.02	Operation	Complied
24	Thiruthuraipoondi	0.01	0.01	Operation	Complied
25	Puliangudi	0.04	0.04	Operation	Complied
26	Kulithalai	0.02	0.02	Operation	Complied
27	Attur	0.04	0.04	Operation	Complied
28	Sirkali	0.02	0.02	Operation	Complied
29	Vedaranyam	0.02	0.02	Operation	Complied
30.	Jayakondan	0.02	0.02	Operation	Complied
31.	Aranthangi	0.02	0.02	Operation	Complied
32.	Coonoor	0.01	0.01	Operation	Complied
33.	Virudhachalam	0.04	0.04	Operation	Complied
34.	Chengalpattu	0.02	0.02	Operation	Complied
	Total 34 FSTPs	0.97	0.97		
	CTP				
35.	Karunguzhi	0.024	0.024	Operation	Complied
36.	Periyanaikanpalayam	0.030	0.030	Operation	Complied
37.	Chengam TP	0.020	0.010	Operation	Complied
38.	Alangayam TP	0.015	0.005	Operation	Complied
39.	Mudukulathur	0.015	0.005	Operation	Complied
40.	Jalakandapuram	0.015	0.005	Operation	Complied
	Total (6 Nos)	0.119	0.079		
	Grand Total (40 Nos)	1.089	1.049		

Details of under construction STPs in Tamil Nadu

S.No.	Location	Capacity of the plant (MLD)	Physical Progress in %	Status of I&D or House sewer connection	Completion Timeline
CMWSSB					
1	SholinganallurSTP(Phase II)	54	94.25		April 2024 (36 +18) 18 MLD trial run under progress
2	PerungudiSTP Zone - V	60	87.05		August 2024
3	Perungudi TTUF	10	89.50		August 2024

4	CRRT, Langs Garden MSTP	10	98.0		Operations commenced
Total (4 Nos.)		134			
DMA					
5	Vellore	50.0	91		June- 24
6	Rameshwaram	4.08	95		April- 24
7	Ponneri	6.52	80		May - 24
8	Pammal&Anagaputhur	27.0	60		April -24
9	Tindivanam	11.44	82		May-24
10	Villupuram Added Area	4.56	Due to public objection this work has not been started. Alternat private land identified. Exchange of land with private land owners process in progress by RDO.		
Total (6 Nos)		103.60			
CTP					
11	Sriperumbudur TP	8.50	97	5695/6000	30.04.2024
12	Thiruporur TP	4.02	98	4479/4479	30.04.2024
	Total (2Nos)	12.52			
	Grand Total (12 Nos)	250.12			

Details of under construction FSTPs in Tamil Nadu

Sl.No.	Location	Capacity of the plant (MLD)	Physical Progress in %	Completion Timeline
	DMA			
1	Padmanabhapuram	0.02	75	April - 2024
2	Gudalur	0.02	95	April - 2024
3	Walajapet	0.03	32	April - 2024
4	Kuzhithurai	0.04	90	April - 2024
5	Keelakarai	0.02	90	May - 2024
6	Sivakasi	0.04	58	June - 2024
7	Vaniyambadi	0.03	62	June - 2024
	Total 7	0.20		
	CTP			
8	Pennagaram TP	0.015	97	30.04.2024
9	Kaveripattinam TP	0.015	95	30.04.2024
10	Kurumbalur TP	0.010	97	30.04.2024
11	Pennadam TP	0.010	100 % Civil works completed..	30.04.2024
	Total (4 Nos)	0.05		
	Grand Total (11 Nos)	0.25		

Details of Proposed STPs in the State & PRS

S. No	Name of the Project	No of STPs	STP Capacity (in MLD)	DPR status
	DMA			
1	Coimbatore (3 added area)	1	9.95	Bidsinvited
2	Hosur -1	2	32.65	Bids invited
3.	Hosur -2			
4.	Tiruchirapalli	1	100	Work order issued& work to be commenced.
5.	Tirunelveli	1	58	Bids invited
6	Karur	1	18.45	DPR under appraisal.
7	Mannargudi	1	10.05	Bids invited
8	Arupukottai	1	13.24	Bids invited
9	Maraimalai Nagar - 1	2	15.92	Bids invited
10	Maraimalai Nagar - 2			
11	Chengalpattu	1	11.35	Bids invited
12	Palani	1	12.88	Bids invited
13	Poonamalae, Thiruverkadu&Mangadu	1	80.91	DPR under appraisal
14	Cuddalore	1	12.59	Tender received & under evaluation
15	Dindigul -1	2	17.80	Tender received & under evaluation
16	Dindigul- 2			
17	Kancheepuram	1	30.00	Bids invited
18	Thiruvannamalai	1	13.40	Bids invited
19	Pudukottai	1	10.80	Tender received & under evaluation
20	Namakkal	1	11.23	Tender received & under evaluation
21.	Dharmapuri	1	5.21	Tender received & under evaluation
22.	Mayiladuthurai	1	9.37	
	Total	22	473.8	

CTP				Status of Project	Remarks
23	Sirugamani TP	-	-	DPR Stage	DPR is under preparation by WAPCOS / PWD.
24	Mohanur TP	-	-	DPR Stage	
25	Velur TP	-	-	DPR Stage	
26	Bhavani sagar TP	-	-	DPR Stage	
27	Sirumugai TP	-	-	DPR Stage	
28	Madathukulam TP	-	-	DPR Stage	
29	Omalur TP	-	-	DPR Stage	
30	Poolampatty TP	-	-	DPR Stage	
31	Kuthalam TP	-	-	DPR Stage	
32	Thirukattupalli TP	-	-	DPR Stage	
33	Thiruvaiyaru TP	-	-	DPR Stage	
34	Pethanaickenpalayam TP	-	-	Completed	Tamil Nadu Water Investment Company (M/s TWIC has been appointed as consultant for preparation of DPR. DPR submitted on
35	Yethapur TP	-	-	Completed	
36	Belur TP	-	-	Completed	
37	Srivaikundam TP	-	-	Completed	
38	Authoor TP	-	-	Completed	
39	Eral TP	-	-	Completed	

40	Alwarthirunagari TP	-	-	Completed	15.02.2022 by TWIC. DPR under scrutiny.
41	Then Thiruperai TP	-	-	Completed	
42	Arumuganeri TP	-	-	Completed	
43	Mukkudal TP	-	1.50	Completed	The State High Powered Committee meeting held on 26.02.2022 has approved to establish Decentralised STP & DEWATS method. Administrative sanction issued on 21.03.2022 and works are in various stages.
44	Gopalamudram TP	-	1.40	Completed	
45	Kallidaikurichi TP	-	3.09	Completed	
46	Veeravanallur TP	-	2.79	Completed	
47	Mela Seval TP	-	0.53	Completed	
48	Naranammalpuram TP	-	0.01	Completed	
	Total (26 Nos)		9.32		
	Grand Total 48 Nos		483.12		

IV. Details of Industrial Pollution-TNPCB

Sl. No.	Details of Industries	State	PRS
1.	No. of industries in the State:	54,000	7,381
2.	No. of water polluting industries in the State:	11,538	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.	9,64,810 T/A	-
5.	No. of industrial units having ETPs:	11,538	1,770
6.	No. of industrial units connected to CETP:	1,497	Nil
7.	No. and total capacity of ETPs (details of existing/ under construction / proposed)	-	-
8.	Compliance status of the ETPs:	11,538 Industrial units provided Zero liquid discharge system and there is no discharge into the water bodies.	
9.	Number and total capacity of CETPs (details of existing/ under construction / proposed)	Existing – 35 Nos. (1,14,682.85MLD). 33 CETPs in operation: 2 Nos not in operation.	Proposed – 10 Nos., Capacity 41 MLD.
		Under Construction 1 CETP at Kanchipuram (Member Units 36 Nos.)-3650 KLD capacity. It may be commissioned early.	
10.	Status of compliance and operation of the CETPs	Details furnished below	

COMMON EFFLUENT TREATMENT PLANTS

Sl.No	Location	No. of CETPs	No .of industrial units connected to CETP.	Restricted Quantity for CETPs (KLD)	Status of CETPs (operation / not in operation)	Status of OCEMS installation &Connectivity with TNPCB	Renewal Status	Compliance Status TNPCB Norms
	Textile (Bleaching & Dyeing)							
1	Eastern CETP - Tiruppur	1	20	5400	Operation	Connected	31.03.2026	Complied
2	Angaripalayam CETP-Tiruppur	1	46	9000	Operation	Connected	31.03.2026	Complied
3	Kunnagalpalayam CETP- Tiruppur	1	13	4653	Operation	Connected	31.03.2026	Complied
4	Andi palayam CETP- Tiruppur	1	9	1911	Operation	Connected	31.03.2026	Complied
5	Kasi palayam CETP- Tiruppur	1	12	3960	Operation	Connected	31.03.2026	Complied
6	Mannarai CETP- Tiruppur	1	20	5400	Operation	Connected	31.03.2025	Complied
7	Veerapandi CETP- Tiruppur	1	62	10800	Operation	Connected	31.03.2026	Complied
8	Park CETP – Tiruppur	1	4	2250	Operation	Connected	31.03.2026	Complied
9	Arulpuram CETP- Tiruppur	1	11	4950	Operation	Connected	31.03.2026	Complied
10	Sripulavapatti CETP- Tiruppur	1	19	4500	Operation	Connected	31.03.2026	Complied
11	Kalli kadu CETP-Tiruppur	1	11	2700	Operation	Connected	31.03.2026	Complied
12	Vettuvapalayam CETP- Tiruppur	1	8	920	Operation	Connected	31.03.2026	Complied
13	Mangalam CETP- Tiruppur	1	13	3492	Operation	Connected	31.03.2026	Complied
14	Rayapuram CETP- Tiruppur	1	13	4743	Operation	Connected	31.03.2026	Complied
15	Chinnakarai CETP- Tiruppur	1	24	6902.1	Operation	Connected	31.03.2026	Complied
16	Murugampalayam CETP-Tiruppur	1	50	7507.5	Operation	Connected	31.03.2026	Complied
17	Karaipudur CETP- Tiruppur	1	19	3602.25	Operation	Connected	31.03.2026	Complied

18	S.Periyapalayam CETP-Tiruppur	1	5	840	Operation	Connected	31.03.2025	Complied
19	Perundurai CETP- Tiruppur	1	9	3406	Operation	Connected	31.03.2027	Complied
	Tannery CETPs in the State							
20	M/s. Talco Trichy Tannery Effluent Treatment Company, Trichy	5	201.4	201.4	Not in Operation	NA	NA	NA
21	M/s. Perundurai Leathers Industries Eco – Security Private Limited, Perundurai, Erode District	14	1000	1000	Not in Operation	NA	NA	NA
22	M/s. Ambur Tannery Effluent Treatment Company Limited, Thuthipet Sector, Ambur, Tirupattoor District	44	2219	2219	Operation	Connected	RCO valid up to 31/3/2025	Complied
23	M/s. Ambur Tannery Effluent Treatment Company Limited, Maligaithope Sector, Ambur, Tirupattoor District	17	1100	1100	Operation	Connected	RCO valid up to 31/3/2024 Under process	Complied
24	M/s. Talco Pernambut Tannery Effluent Treatment Company Ltd., Pernambut, Vellore District	36	891	891	Operation	Connected	RCO valid up to 31/3/2025	Complied
25	M/s. Vanitec Limited Valayampet, Vaniyambadi, Tirupattoor District	133	3342	3342	Operation	Connected	RCO valid up to 31/3/2025	Complied
26	M/s. Ranipet Tannery Effluent Treatment Company Limited (RANITEC), Ranipet District	82	4500	4500	Operation	Connected	RCO valid up to 31/3/2024 Under process	Complied
27	M/s. Ranipet Finished Leather Effluent Treatment Company Limited, Ranipet District	79	2500	2500	Operation	Connected	RCO valid up to 31/3/2024 Under process	Complied
28	M/s. SIPCOT – SIDCOPhase II Entrepreneur Finished Leather Effluent Treatment Co. Ltd.,Ranipet,Dist	20	1560	1560	Operation	Connected	RCO valid up to 31/3/2025	Complied

29	M/s. Visharam Tanners Enviro Control Systems (p) Ltd., Melvisharam, Ranipet District	36	3400	3400	Operation	Connected	RCO valid up to 31/3/2024 Under process	Complied
30	M/s. Madhavaram Leather Manufactures Facility (P) Ltd., Madhavaram	14	400	400	Operation	Connected	RCO valid up to 31/3/2024 Under process	Complied
31	M/s. Pallavaram Tanners Industrial Effluent Treatment Company Limited, Chrompet, Chennai	130	3000	3000	Operation	Connected	RCO valid up to 31/3/2024 Under process	Complied
32	M/s. Talco Dindigul Tanners Enviro Control System Pvt. Ltd., Dindigul	49	2533	2533	Operation	Connected	RCO valid up to 31/3/2024 Under process	Complied
	HOTEL SECTOR- CETP							
33	M/s.Kodaikanal Effluent Treatment Company Limited, S.F No Ward D Block No 19, TS No 2/2, Kodaikanal Taluk, Dindigul District	1	35	850	Operation	-	RCO valid till 31/03/2024 Under process	Generally Complied
	ELECTROPLATING CETPs IN THE STATE							
34	M/s JBR TECHNOLOGIES PVT LTD located at S.F.No.927/A Part & 928 Part, Korattur village, Ambattur Taluk, Chennai District.	1	234	200	In operation	Under progress	31.03.2020 Under process	Not Complied
35	M/s Madurai Electroplaters Industrial Park, D.Karisalkulam Village, Thiruppuvanam Taluk, Sivagangai District.	1	28	49.6	In operation	Connected	31.03.2024 Under process	Complied
Total			27311.4	114682.9				

Details of CETPs Proposed in the State

Sl. No.	Town	Name of CETPs	CETP Capacity (MLD)	Status of Consent
1.	Perundurai	Sree Bhavani Dyeing Cluster Development Limited, Perundurai Taluk, Erode District.	4	The proposal has been approved by Ministry of Textiles vide O.M dated: 14.09.2016. Fund is awaited. CTE issued upto 31.03.2024.
2.	Perundurai	Kadayampatti Common Effluent Treatment Plant Bhavani Private Limited, Perundurai Taluk, Erode District.	6.25	1.The Secretary, Ministry of Textiles, GOI, New Delhi addressed vide letter No. 16.06.2021 to the Chief Secretary, Government of Tamil Nadu wherein it has been stated that the funding pattern to the CETPs is under revision for next five years. 2.No member unitis in operation without ZLD system; Other member units are proposed industries only, ie. Green sites only 3.GOI share is awaited. CTE issued upto 31.03.2024.
3.	Perundurai	Kadayampatti Common Reject Management Systems Private Limited (CRMS),Perundurai Taluk, Erode District	1.75	
4.	Erode	Gangapuram Common Effluent Treatment Plant Private Limited, Erode Taluk & Erode District	4.5	
5.	Erode	Villarasampatti Common Effluent Treatment Plant Private Limited, Erode Taluk & Erode District	4.5	
6.	Erode	M/s.Suriyampalayam Common Effluent Treatment PlantPrivate Limited, Erode	4.2	
7.	Erode	M/s. Green Kalingarayan Common Effluent Treatment PlantPrivate Limited,Erode	5.8	
8.	Erode	M/s. Erode Common Effluent Treatment PlantPrivate Limited (CRMS), Erode.	2.0	
9	Kumarapalayam	M/s. Kumarapalayam Green Cauvery Dyeing Cluster,Kumarapalayam	5.0	
10	Kumarapalayam	M/s. Green Environmental Association, Pallipalayam&Kumarapalayam (CRMS)	3.0	CTE issued upto 31.03.2026.
TOTAL - 10 CETPs			41	

V.Solid Waste Management:

No	Solid Waste Management	State	PRS
1.	Total number of Urban Local Bodies	649	48
2.	Current Municipal Solid Waste Generation (TPD)	ULB- 15,056 TPD. Note: The MSW of RLB is furnished separately in the dossier below.	ULB- 1786.8
3.	a. Number of facilities	3805 (DMA- 2138+CTP- 1219+ GCC-448)	453
	b. Installed capacity –TPD	10659 (DMA- 6703+CTP-1888 + GCC – 2068)	1515
	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), bio-methanation, MRF, etc.,	8886 (DMA- 5923 +CTP- 1888 +GCC-1075) The utilization capacity is 83 %	1320
4.	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	1. It is proposed to increase the segregation, collection and treatment of MSWs. 2. The non-bio-gradable waste such as plastic wastes, etc. will be segregated and disposed scientifically. 3.Continuous awareness being created for source segregation and fixing target to achieve goal and periodically reviewed.	
5.	No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Proposed– 8 Nos. of 775 TPD.	1 No.& 50 TPD.
6.	Total No. of wards (ULBs)	12,999	1182
	No. of wards having door to door collection service,	12,518	1161
	No. of wards practicing segregation at source	11,428	1051
7	Details of MSW treatment facilities proposed and under construction (No., capacity, and technology)	Proposed -41 Nos. (DMA- 18, CTP – 15, GCC – 8). Capacity :2230 TPD (DMA-2230 TPD)	6 No. 645 TPD
		Under Construction- 111Nos. (DMA-106 + CTP- 0 +GCC-5) Capacity 1281TPD (DMA-781+GCC 500) 6 incinerator plants of 35 TPD & 9 pyrolysis plants of 0.9 TPD are completed and are in trial run.	29Nos, 263 TPD
		(Technology: Windrow composting, Vermi composing, Bio-gas production, Incineration, Pyrolysis, Micro compositing, Organic Compositing, Resource Recovery)	

8.	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Uncontrolled garbage dumpsite - Nil. Sanitary land fill – Nil Bio-mining : Total quantity of Legacy waste generated 2,02,74,768 Cum. Total quantity of Legacy Waste biominced upto the month of March 2024 is 1,02,30,714 Cum. Note: 144 ULBs, have achieved 100% biomining.
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	29 MSW drains fall into water bodies. Action are being taken by Local Bodies concerned to plug the drains.

Rural Development and Panchayat Raj (RD & PR)

No.	Solid Waste Management	State	PRS
1.	Current Municipal Solid Waste Generation TPD	1272	8.30
2.	Number of Village Panchayats	12525	31
3.	Details of MSW treatment facilities proposed(Nos)	287	1

Status of ULB wise Management of Solid Waste-DMA, CTP& Greater Chennai Corporation (GCC)

ULBs	Total MSW generation (TPD)	Total MSW processed (TPD)	Existing MSW Facilities	Utilization Capacity of MSW facilities (TPD)	ProposedMSWFacilities& Completion timeline
DMA	7518	6703	Windrow/Vermi composting, Biogas generation	5923	111 Nos. of MSW treatment facilities are under construction& 41 Nos. of facilities are proposed.
CTP	1840	1707	Pyrolysis, bio-composting.	1707	Incinerators & Pyrolysis are under progress for processing non-recyclable dry waste on cluster basis.
GCC	5698	1075	Windrow/Vermi composting, Bio-gasgeneration	1075	6 Nos. of MSW treatment facilities are under construction.
Total	15056	9485		8705	

VI.Bio-Medical Waste Management (BWM):

S.No	BWM	State	PRS
1.	Total Bio-medical generation (TPD)	a) Authorized quantity :108.32T/Day. b)Average generation : 49.72 T/day.	Authorized quantity: 11.90T/Day
2.	No. of Hospitals and Health Care Facilities:	29,998	6439
3.	Status of Treatment Facility/ CBMWTF:	Total -14 Nos. 12- Facilities under operation, 2-Facilities - Issued Closure order by TNPCB for non- compliance. 1 Nos Commonfacilities (CBMWTFs) is under establishment in Tiruppur Districts.	

VII. Hazardous Waste Management (HWM - as on 2022 -2023)

S.No	Hazardous Waste Management	Tamil Nadu State
1.	Total Hazardous Waste generation	Total : 11.41 lakhs T/A Recylable: 4.16 lakhs T/A Utilizable : 5.63 lakhs T/A Land fillable : 1.33 lakhs T/A Incinerable : 0.29 lakhs T/A
2.	No. of Industries generating HW	4,612 units
3.	Treatment Capacity of all TSDFs	<u>3Nos. of M/s.RE Sustainability IWM Solution Limited</u> <u>Facilities at:</u> <u>1.TSDFGummidipoondi :</u> a) Permitted hazardous waste SLF : 3 lakh T/A b) Permitted for Incineration : 0.12 lakh T/A c) Preprocessing : 0.50 lakh T/A <u>2.TSDFViruthunagar :</u> a) Permitted hazardous waste SLF : 0.9lakh T/A <u>3.TSDF Hosur:</u> a) Permitted hazardous waste SLF : 0.91 lakh T/A b) Preprocessing : 0.30 lakh T/A
4.	Average Quantity of Hazardous waste reaching the TSDFs and treated	Land fillable hazardous waste :0.962 lakh T/A Incinerable hazardous waste :0.052 lakh T/A
5.	Details of on-going or proposed TSDF	Nil

VIII. Plastic Waste Management

Plastic Waste Management	STATE	PRS
Total Plastic Waste generation (TPD)	1072	109.2
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-incineration and also used as a component for laying roads. Incinerators & pyrolysis plants are under progress for processing non-recyclable dry waste in cluster basis. A plastic Shredding unit is available at each district under Solid Waste Management Scheme. All the ULBs are enforcing source segregation of wastes and the saleable fraction of plastic wastes are sold to recyclers and remuneration is paid back to sanitary workers. Apart from that, a total quantity of 1110 MT of single use plastics had been seized and a penalty of Rs.5.48 crore has been levied by local bodies. The seized plastics are stored at Resource Recovery Centers (RRC) and disposed to Cement industries. The Government of Tamil Nadu has banned the single use plastics. The Government of Tamil Nadu has issued orders vide G.O(MS)No:116 Environment Climate Change and Forests Department, to use cloth bags instead of plastic carry bags.	

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

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

Total out falls in Six Polluted River Stretches			
Sl.No.	Name of the river	Total No of Out falls.	Remarks
1	Sarabanga	28	• 28 Nos. of STPs / FSTPs are under construction. • To bridge the gap 52 Nos. of STPs / FSTPs proposals are evolved by local bodies. • At Cooum and Adyar PRS, outfalls are being closed by local bodies.
2	Vasista	5	
3	Cauvery	39	
4	Thirumanimutharu	7	
5	Bhavani	40	
6	Tamirabarani	20	
7.	Palar	10	
8.	Amaravathi	11	
	Grand Total	160	

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.

Details of meetings carried under the Chairmanship Chief of Secretary in the State: Environment Monitoring Cell meeting has been conducted by the Additional Chief Secretary to Government of Tamil

Nadu, Environment and Forest Department, on 23.12.2020. The Additional Chief Secretary, Environment, Climate Change and Forests Department, Government of Tamil Nadu has reviewed the progress of Action Plans on 18.11.2021. The Chief Secretary to Government of Tamil Nadu has reviewed the progress on 20.04.2022. The Additional Chief Secretary, Municipal Administration & Water Supply Department, Government of Tamil Nadu has reviewed the progress of Action Plans on 22.06.2023. The implementation of River Rejuvenation works at Greater Chennai Corporation to rejuvenate Cooum, Adyar and Buckingham Canal are being reviewed by the Chief Secretary to Government every month.

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

Water quality of the polluted river stretches for the month of March 2024

Sl.No.	Name of the River	No of Monitoring Locations	BOD mg/L (Maximum level)
1	Sarabanga	1	No flow
2	Thirumanimutharu	1	88
3	Vasista	1	120
4	Cauvery	19	3.6
5	Bhavani	7	2.8
6	Thamirabarani	12	2.7
7.	Amaravathi	3	2.5
8.	Palar	1	No flow
9.	Cooum	7	28
10.	Adyar	5	25

Source: TNPCB

Ground water quality in the catchment of polluted rivers-WRD

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 276mg/L to 946 mg/L. range of moderate quality.
Thirumanimutharu	The SG&SWRDC provided monitoring wells in Salem, Attayampatti and Palapatti areas. The TDS in this stretch vary between 255 mg/L to 1636 mg/L.
Vasista	The SG&SWRDC is having monitoring wells in Papanaiickenpatti, Yethapur, Athur and Thalaivasal. The TDS values are between 365 mg/L to 2228 mg/L

Cauvery	The SG&SWRDC is having ground water quality data for the areas of Dharmapuri, Mettur, Bhavani, Salem, Paramathivelur, Kumarapalayam, Karur, Erode, Musiri, Trichy, Kulithalai, Kumbakonam and Mayiladuthurai and in Dharmapuri the TDS vary between 382 mg/L to 1715 mg/L, at Salem the water quality varies between 254 to 2057 mg/L, at Namakkal the TDS exceed even 353 to 4047 mg/L. At Thanjavur and Cuddalore in most of the locations the water quality is found to vary between good and moderate and a few places viz. Nagapanur, Chidambaram and Tiruvamur villages of Cuddalore District the TDS is found to be more than 2000 mg/L in.
Bhavani	The general distribution of ground water quality varies between Good to moderate level.
Thamirabarani	The collected water quality data of Cheranmadevi, Thiruvudaimaruthur, Ambasamudram, Thirunelveli, Palayamkottai, and Ariyanaygipuram showed good, poor and moderate quality based on TDS.

XIII. Ground water regulation-WRD

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.
Thirumanimutharu	
Vasista	
Cauvery	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. The draft act has been approved by the high-level technical committee headed by the Chief Secretary. In Thamirabarani basin area 9 illegally operating firms have been sealed and closed.
Bhavani	
Thamirabarani	

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

Name of the River	Good irrigation practices being adopted by the State
Sarabanga	Awareness meetings are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.
Thirumanimutharu	
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 projects per GO Ms No: 140 PW (WR 1) Dept Dt: 21.06.2017 for an amount of Rs.107.09crores.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.
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XV. Rain Water Harvesting Structures -WRD

Name of the River	Existing Structures (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	45	-	--
Thamirabarani	9	2	Barrages 3 Nos.
Total	125	14	56

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

Name of the River	Demarcation of Floodplain and removal of illegal encroachments
Sarabanga	The identification of flood plain zones is in process. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I Nadanthai Vaazhi Cauvery Project completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding patten are submitted to the Govt. of Tamil Nadu for getting financial concurrence. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.
Vasista	No Flood plains zones/encroachment have been identified. No Encroachment has also been identified in the stretch. In case of any encroachment reported in the future by Revenue department, action will be taken for immediate eviction
Thirumanimutharu &Cauvery	The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

Bhavani	The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence. 55 Nos of encroachments belongs to fishing community, proposal for alternate land has already been sent to Secretary to Government, Revenue department, Secretariat, Chennai vide letter No. F.2 / 41632 / 2005 / Dt.15.02.2006 and the file is long pending. The Assistant Engineer, WRD, Water Spread Section, Bhavanisagar has been issued From VII to encroachers on 30.03.2022.																				
Thamirabarani	a. To prepare comprehensive flood protection plan for Thamirabarani River Rs. 4.00 Lakhs has been allotted 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 & steps are being taken for the protection and management of Flood plain Zones of Thamirabarani River. b. Moreover in Tirunelveli Corporation, Prosopis juliflora 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.																				
	c. In River Banks of the Thamirabarani, the following encroachments were identified& demarcated by the water resource department/Public works department. The issue of eviction notices to the encroachers under eviction of encroachment act is under progress in Tirunelveli and Thoothukudi District. <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>	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
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																	

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

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 Project. E flow will be maintained in this river after completion sewage treatment plants. 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 Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion of sewage treatment plants, as 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 12 th to January 28 th 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 food 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 March 2024 an E Flow of 0.086 TMC was maintained.
Bhavani	An E flow of 2710.11 Mcft. (including Irrigation purpose) was maintained in the river Bhavani during the Month of March 2024 .
Thamirabarani	An average of 875.56 cusecs of water is released into the river in the month of March 2024 to ensure minimum environmental flow.

XVIII. Plantation activities along the rivers-WRD

Name of the River	Plantation activities along the Rivers
Sarabanga	Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence.

Thirumanimutharu	Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence.
Vasista	There is no proposal at present.
Cauvery	Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence.
Bhavani	Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence.
Thamirabarani	At present there is no proposal on plantation on the RiverBanks and investigation works are being taken to implement it by Forest Department.

XIX. Development of biodiversity park - WRD

Name of the River	Development of Biodiversity Park
Sarabanga	Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence.
Thirumanimutharu	
Vasista	There is no proposal at present.
Cauvery	Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence
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 - DMA

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 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 UrbanLocal Bodies and the user agency for the re-use of secondary treated effluent water.

Urban Local Bodies wise details are furnished as below:

S. No.	Name of the ULB	Quantity (MLD)	Usage/ Purpose
1	Nagapattinam	2.0	M/s KVK Power for cooling purpose
2	Dindugul	5.0	To maintain the TDS level of Tanners for Agro- forestry.
3	Tirunelveli	24.0	Nanguneri Special Economic Zone (SEZ) for Industries
4	Perambalur	3.0	MRF Industrial use
5	Ramanathapuram	3.0	NTC Infra
6	Coimbatore	15.0	Agricultural use to farmers association
7	Pollachi	11.50	Agricultural use to farmers association
8	Chinnamannur	3.0	Agricultural use
9	Karur	7.0	Agricultural use
10	Arakkonam	7.0	MRF Industrial use
Total		80.5	

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

Model River Bhavani:

- River Bhavani has been classified as a polluted river stretch based on the monitoring done during 2019 & 2021 and classified under priority - V.
- The monitoring continued until date under the NWMP programme and shows that during the last 5 years the level of BOD value is less than 3 mg/l.
- The reasons attributed for low BOD, high DO is due to low faecal coliforms in the river water.
- Dumping of Municipal Solid Waste along the stretches of Bhavani has been stopped and the guidelines for solid waste management (segregation, recycling, composting, etc.) are followed scrupulously.
- A major polluting industry by name M/s. South India Viscose at Sirumugai- at the bank of the river has been closed permanently by Tamil Nadu Pollution Control Board.
- Industries involved in textile dyeing, tannery activities, etc., have provided ETPs with zero liquid discharge systems. The industries shall not discharge treated / raw effluents outside the premises of the units.
- All paper mills located in Sathyamangalam having access to River Bhavani have been made to adopt best practices by way of pulp recovery and reuse of water in their process thereby preventing any discharges leading to the river.
- M/s.Sakthi Sugars Ltd., at Aapakudal in Erode District once permitted for fert- irrigation has been stopped and made to use effluent for composting.

- Under the Swatch Bharat Scheme, the houses in BhavaniSagar Town Panchayat, Sirumugai Town Panchayat, Uratchikottai Villages are provided with septic tanks and soak pit facilities to prevent the discharge of fecal sludge into the river.
- TNPCB has proposed to conduct awareness programme at a cost of Rs.8,00,000/- (Rs. Eight lakhs only) along the Bhavani River stretch.

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

The Government of Tamil Nadu vide G.O.(D) No.193dated:04.10.2023 has issued orders to allot the work of preparation of comprehensive Action Plans to National Centre for Coastal Research(NCCR), Chennai.

The work order of the Tamil Nadu Pollution Control Board has been issued to NCCR vide this office work order dated:27.10.2023. The work is under progress and will be completed early.

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

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

In District level the following teams/offices are monitoring the water polluting industries:

- a) District Environmental Committee headed by District Collector concerned.
- b) Joint Chief Environmental Engineer's offices (Monitoring) headed by the Joint Chief Environmental Engineers.
- c) District Environmental Engineer's offices headed by District Environmental Engineers.
- d) Environmental Engineer's (Flying Squad) offices headed by Environmental Engineers.

Illegal industries and law violating industries are closed by the TNPCB or by the District Environmental Committees. The Power supply has also been disconnected to the industries.

In case of violation of TNPCB norms by the CETPs:

- a) All the member units of the CETPs are closed.
- b) Power supply to CETPs and member units are disconnected.

At present two CETPs and member units at Kanchipuram and Sivagangai have been closed by the TNPCB and power supply disconnected.

XXV. IDOL IMMERSION:

The Government of Tamil Nadu in view to maintain public peace, tranquility, public safety, regulation of traffic and control of pollution due to immersion of idols in Rivers notified guidelines in Government gazette and was published on 09.08.2018. Awareness programmes were conducted through District Collectors in all the District headquarters and towns requesting the public to:

- I. Avoid usage of plaster of paris and paints to make the Vinayagar idols.
- II. Encourage the use of clay for making idols as a tradition.
- III. Remove the worship materials like flowers, clothes, decorating materials etc., before immersion of idols.
- IV. Collect bio-degradable materials and to segregate materials separately for recycling or composting and for disposal in sanitary landfills respectively.
- V. Immerse the idols in designated water bodies identified by the District Administration and to follow the Government guidelines scrupulously.

Also, the following actions have been taken by the Government of Tamil Nadu and by Tamil Nadu Pollution Control Board.

- a) The Government of Tamil Nadu have issued orders vide G.O. MS No.765 public (law and order) Department date 30.08.2021 to obey the Hon'ble Supreme Court orders in case No.11366/2020, 11467/2020, etc., regarding idols immersions and celebrations of festivals.
- b) The Tamil Nadu Pollution Control Board published idols immersion locations district wise. Guidelines of Central Pollution Control Board, Ministry of Environment and Forests, Department May 12th 2020 notification have been published in local newspapers for creating public awareness.
- c) The Board monitors water quality of the said water bodies before & after immersion of idols. Idols were not immersed during the 2020-2021 Vinayagar Chaturthi due to COVID-19 pandemic, hence no water samples were collected from the designated water bodies. During 2022 – 2023 & 2023 – 2024 water samples have been collected and analysed. The water bodies are being monitored by the Tamil Nadu Pollution Control Board.

XXVI. Action Plans are prepared to rejuvenate Rivers Viz., Palar & Amaravathi and are under implementation. For Cooum and Adyar Polluted River Stretches Action Plans have been prepared and will be submitted for approval in the River Rejuvenation committee meeting and in turn will be submitted to CPCB for approval. At Cooum, Buckingham and Adyar Rivers the Government of Tamil Nadu is executing rejuvenation works at a cost of Rs.2371 crore.

XXVII.SEDIMENTATION POLICY - STATUS AND INITIATIVES TAKEN UP AT STATE LEVEL

For reservoirs and dams in Tamil Nadu, quantity of silt deposited has been quantified and the desilted quantity is arrived. In general, the top layer is allowed to farmers for taking sediments containing silt at free of cost as per G.O Ms. No.50 (Industries Dept.,) Government of Tamil Nadu. The balance quantity of the sediment is desilted and the sediment is used for bund formation as and when required. In the case of forest areas, the State Forest Department permission is obtained for desilting.

In the State in ten reservoirs/dams viz., Mettur, Amaravathi, Pechiparai, Vaigai, Srivaikundam, Vidur, Parapalar, Gundar, Ramanadhi and Willington have been proposed for desilting. Some of the works are under progress.

XXVIII. Additional Polluted River Stretches – 2022

The CPCB has identified Cooum (Priority – I), Adyar (Priority- I), Amaravathi (Priority – V) and Palar (Priority-V) Rivers as additional Polluted River Stretches during 2022. The Action Plans for Palar and Amaravathi are under implementation. For Cooum and Adyar Polluted River Stretches Action Plans have been prepared and will be submitted for approval of River Rejuvenation Committee and in turn will be submitted to CPCB for approval. For rejuvenating Cooum, Adyar and Buckingham canal the Government of Tamil Nadu has issued principal approval for Rs. 2371 crore. Accordingly, the Government of Tamil Nadu has sanctioned Rs.1001 crore in phase - 1 to carry-out improvement works in Cooum and Adyar Rivers and the works are under implementation in different stages.

Also, the Government of Tamil Nadu vide G.O.(Ms) No.50, Municipal Administration and Water Supply (MW) dated 14.03.2024 has issued Administrative and Financial Sanction for the restoration of Adyar River in “Hybrid Annuity Model” by carrying-out pollution abatement works. For implementation of the above Government order preliminary works have been initiated.

So, apart from the preparation and implementation of Action Plans for Polluted River Stretches in the State the Special Purpose Vehicles of the State have commissioned many improvements so as to improve the water quality of the Polluted River Stretches.

Note on existing and proposed Textile CETPs in Tamil Nadu

A) Existing CETPs in Tiruppur and Erode District

In Tiruppur District, there are 18 CETPs with Zero Liquid Discharge system for operating capacity of 83530.85 KLD augmenting 359 Nos. of Textile units carrying bleaching and dyeing operations on yarn, fabric and knitted fabric. They are under operation with, ZLD system, of permitted capacity ranging from 70 % to 90%.

In Perundurai Taluk of Erode District, there is one Textile CETP operating with 85% capacity (3406 KLD) for 09 Nos. of member units. All the 19 CETPs have obtained Renewal of Consent for a period upto 31.03.2024.

B) Existing CETPs with proposed ZLD system in Kancheepuram District

The CETP Company of M/s.Ayyampet Muthiyalpet Bleaching Dyeing Effluent Treatment Co., Ltd was under closure of the Board from 01.07.2019, as the CETP have not implemented ZLD system for their 36 member units. They have prepared Detailed Project Report vetted by Indian Institute of Technology, Madras for the plant capacity of 1.5 MLD with 59 Nos. of member units at a project cost of Rs.74.61 Crores and submitted to the Ministry of Textiles, Govt. of India through the Department of Handlooms, Handicrafts, Textiles and Khadi Department, seeking fund from Central Government under Integrated Processing Development Scheme (IPDS).

C) Proposed CETPs in Namakkal and Erode District

There are 07 proposed CETPs with Zero Liquid Discharge System and 03 proposed Common Reject Management System (CRMS) having 585 members for a capacity of 41000 KLD at an estimated cost of Rs.1647.48 Crores located at Erode and Namakkal Districts. The 10 Detailed Project Reports (DPRs) vetted by Indian Institute of Technology, Madras has been forwarded to Ministry of Textiles, Government of India through Handlooms, Handicrafts, Textiles and Khadi (HHTK) Department, Government of Tamilnadu seeking fund from Central Government under Integrated Processing Development Scheme (IPDS).

Apart from the above, the funding to the above 10 proposals is also sought under Nadanthaai Vaazhi Cauvery Scheme implemented by the Ministry of Jal Sakthi, Government of India through Public Works Department(PWD).

Details of CETPs for tanneries proposed/ under construction

S.No	Location	Name of CETPs	CETP Capacity	Status
Nil	Nil	Nil	Nil	Nil

***Gist of Report on the progress made on the Polluted River
Stretches*
Tamil Nadu State
Month: MARCH 2024.**

Sl. No.	Details of works	Action taken
1	Polluted River Stretches identified	Priority-I River Vasista, Thirumanimutharu, Adyar & Cooum; Priority-II River Sarabanga; Priority-III River Cauvery; Priority - IV River Thamirabarani Priority -V River Bhavani, Amaravathi & Palar.
2	Sewage Generation	3938.29 MLD in Tamil Nadu.
3.a.	Existing STPs	There are 105 STPs in operation with treatment capacity of 2366.93 MLD and 40 FSTPs of 1.089 MLD capacity. In addition, 1094.75 MLD of sewage is treated using alternate technologies.
b.	Under construction STPs	12 STPs (250.12 MLD capacity) and 11 FSTPs (0.25 MLD capacity) are under construction and they are at various stages of implementation. Incremental increase of 0.66 to 1% has been achieved during March 2024 . The incremental progress of the under-construction projects of STPs/FSTPs are furnished as Annexure-1 .
c.	Proposed STPs:	48 STPs are proposed to fill the gap of treatment of sewage.
4 a.	Existing MSW treatment :	a) Generation – 15,056 TPD . b) Treatment capacity - 10659 TPD (Annexure-2)
b	Under construction MSW Facilities:	111 MSW facilities are being constructed to a capacity of 1281 TPD .
c.	Proposed MSW Facilities	41 Nos. of facilities are proposed to a capacity of 2230 TPD .
d	Bio -mining	a) Generated - 2,02,74,768 Cum. b) Treated - 1,02,30,714 Cum.
5 a.	Existing CETPs	There are 35 CETPs existing in the State with a capacity of 1,14,682.85 KLD . 33 CETPs are in operation, two CETPs at Trichy and Erode are not in operation.
b.	Proposed CETPs :	Along the polluted river stretches, 10 CETPs of 41 MLD are proposed for dyeing units and they are under proposal stage and not in operation. The DPRs for CETPs have been

		forwarded to the Ministry of Textiles, Govt. of India for funding during 2017-2021 and fund is awaited. The Ministry of Textiles, GOI. has approved M/s Kadayampatti Common Effluent Treatment Plant vide. O.M dated:14.09.2016. No industry is in operation without zero liquid discharge system.																																														
6.	Biomedical waste management	a) No of units - 29,998 b) Authorised quantity of BMW - 108.32 T/Day. c)Average generation - 49.72 T/day																																														
7	Hazardous Waste Management	Total hazardous Waste generation is 11.41 lakhs ton per annum. Recylable : 4.16 lakhs T/A Utilizable : 5.63 lakhs T/A Land fillable : 1.33 lakhs T/A Incinerable : 0.29 lakhs T/A																																														
8	Coastal Management Plan:	The Government of Tamil Nadu vide G.O.(D) No.193 dated: 04.10.2023 has issued orders to allot the work of preparation of comprehensive Action Plans to National Centre for Coastal Research (NCCR), Chennai. The work order of Tamil Nadu Pollution Control Board has been issued to NCCR, Chennai. The work is under progress.																																														
9	Water Quality in Polluted River Stretches March 2024. <table><tr><th>Sl. No.</th><th>Name of the River</th><th>No. of Monitoring Locations</th><th>BOD mg/L (Maximum Value)</th><th>Bathing Standards</th></tr><tr><td>1</td><td>Sarabanga</td><td>1</td><td>No flow</td><td rowspan="10">BOD < 3 mg/l</td></tr><tr><td>2</td><td>Thirumanimutharu</td><td>1</td><td>88</td></tr><tr><td>3</td><td>Vasista</td><td>1</td><td>120</td></tr><tr><td>4</td><td>Cauvery</td><td>19</td><td>3.6</td></tr><tr><td>5</td><td>Bhavani</td><td>7</td><td>2.8</td></tr><tr><td>6</td><td>Thamirabarani</td><td>12</td><td>2.7</td></tr><tr><td>7.</td><td>Amaravathi</td><td>2</td><td>2.5</td></tr><tr><td>8.</td><td>Palar</td><td>1</td><td>No flow</td></tr><tr><td>9.</td><td>Cooum</td><td>5</td><td>28</td></tr><tr><td>10.</td><td>Adyar</td><td>5</td><td>25</td></tr></table>		Sl. No.	Name of the River	No. of Monitoring Locations	BOD mg/L (Maximum Value)	Bathing Standards	1	Sarabanga	1	No flow	BOD < 3 mg/l	2	Thirumanimutharu	1	88	3	Vasista	1	120	4	Cauvery	19	3.6	5	Bhavani	7	2.8	6	Thamirabarani	12	2.7	7.	Amaravathi	2	2.5	8.	Palar	1	No flow	9.	Cooum	5	28	10.	Adyar	5	25
Sl. No.	Name of the River	No. of Monitoring Locations	BOD mg/L (Maximum Value)	Bathing Standards																																												
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9.	Cooum	5	28																																													
10.	Adyar	5	25																																													
10.	Reuse of treated wastewater :97.0 MLD of industrial effluent is treated and reused. 80.50 MLD of Sewage is treated and reused for agricultural and industrial purposes.																																															
11.	Maintenance of ground and surface water quality – WRD a. Ground water quality: Along the polluted river stretches monitoring wells have been provided and the ground water is monitored. b. Ground water regulation: Ground water (Management and development) Act to																																															

	regulate and manage the extraction of Ground water is under active consideration of the Government. c. Good irrigation practices adopted by the State: Village level awareness meetings are carried-out by the PWD to adopt crop rotation and good irrigation practices. Rehabilitation and modernization of tanks are carried-out by the PWD. d. Rain Water Harvesting: 125 existing RWH structures along the PRS are provided; 14 Nos. are under progress and 56 Nos. of recharging wells and check dams are proposed. e. Demarcation of flood plain zones and removal of encroachments: In the PRS for demarcation of flood plain zones and removal of encroachments drone surveys are proposed for which DPR is under preparation. F. E-flow: It will be maintained in the rivers of Sarabanga, Thirumanimutharu, Vasista after completion of STPs. In the rivers of Cauvery, Bhavani and Thamirabarani E- flow is being maintained.
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Annexure- 1
INCREMENTAL PROGRESS OF STPs UNDER CONSTRUCTION

Sl.No	Location	Capacity (MLD)	% of Completion		Incremental Progress %
			February 2024	March 2024	
	CMWSSB				
1.	Sholinganallur STP (Phase II)	54	94.25	94.25	-
2.	Perungudi STP Zone - V	60	87.05	87.05	-
3.	Perungudi TTUF	10	89.50	89.50	-
4.	CRRT, Langs Garden MSTP	10	97.0	98	1.0
	DMA				
5.	Vellore	50.0	91	91	-
6.	Rameshwaram	4.08	95	95	-
7.	Ponneri	6.52	80	80	-
8.	Pammal & Anagaputhur	27.0	60	60	-
9.	Tindivanam	11.44	82	82	-
	CTP				
10	Sriperumbudur TP	8.50	97	97	-
11	Thiruporur TP	4.02	98	98	-

INCREMENTAL PROGRESS OF FSTPs UNDER CONSTRUCTION

Sl.No	Location	Capacity (MLD)	% of Completion		Incremental Progress %
			February 2024	March 2024	
	DMA				
1	Padmanabhapuram	0.02	75	75	-
5	Gudalur	0.02	95	95	-
7	Walajapet	0.03	32	32	-
8	Sivakasi	0.04	58	58	-
9	Keelakarai	0.02	90	90	-
10	Vaniyambadi	0.03	62	62	-
11	Kuzhithurai	0.04	90	90	-
CTP					
12	Pennagaram TP	0.015	97	97	-
13	Kaveripattinam TP	0.015	95	95	-
14	Kurumbalur TP	0.010	97	97	-
15	Pennadam TP	0.010	100 % Civil works completed	100 % Civil works completed	-

Annexure-2

INCREMENTAL PROGRESS OF MUNICIPAL SOLID WASTE MANAGEMENT-STATE
(ULBs)

<i>Sl. No</i>	<i>Details</i>	<i>Oct 2023</i>	<i>Nov 2023</i>	<i>Dec 2023</i>	<i>Jan 2024</i>	<i>Feb 2024</i>	<i>Mar 2024</i>	<i>Incremental increase (%) (February 2024 to March 2024)</i>
1	MSW generation (TPD)	15641	15775	16632	15462	15497	15056	-
2	MSW treatment capacity (TPD)	9360	9423	9071	9278	9422	9485	0.66
3	MSW utilization (TPD)	8530	8643	8291	8498	8642	8705	0.72
