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TAMIL NADU POLLUTION CONTROL BOARD



From Dr.Jayanthi.M, I.F.S., Chairperson, Tamil Nadu Pollution Control Board, 76, Mount Salai Guindy, Chennai-600 032.	To The Principal Secretary to Govt., Environment, Climate Change and Forest Department, Government of Tamil Nadu, Secretariat, Chennai- 600 009.
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Lr.No.TNPCB/DDL/F-6849/PRS-MPR/2019/dated:08.08.2024.

Sir,

Sub: TNPCB-Submission of Revised Monthly Progress Report for the month of **June 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:27.06.2024.

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 **June 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

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//Forwarded by Order//

Sd/- Dr.Jayanthi.M,
Chairperson

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 -110 002 (we)

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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: JUNE 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): 409.46 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)	109 2449.45	23 388.18
2.	Existing No. of FSTP and Capacity (in MLD)	44 1.144	6 0.06
	Sewage being treated through Alternate technology (MLD)	1094.75	1.56
3.	Total	3545.344	389.8
4.	Gap in Treatment Capacity in MLD	392.946	19.66
5.	Under Construction STPs & FSTP (MLD)’	172.78	-
6.	Capacity Utilization of existing STPs & FSTPs & Alternate Technology	2230.464	155.17
7.	No. of Operational STPs	105	23
8.	No. of Complying STPs	105	23
9.	No. of Non-complying STPs	Nil	Nil

Note : The Utilization Capacity of 105 STPs & 44 FSTPs including alternate technology which are being adopted in Rural Panchayats in the State is 62.91 %.

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	226.20	139.07		
1.	Koyambedu STP Zone – III	34	30.87	Operational	Complied
2.	Koyambedu STP Zone – III	60	40.02	Under Rehab	-
3.	Koyambedu STP Zone – III	120	62.55	Operational	Complied
4.	CRRT - Chetpet MSTP	1.0	0	Under Maintenance	Complied
5.	CRRT- Nungambakkam MSTP	1.2	1.1	Operational	Complied
6.	CRRT – Langs Garden TTUF	10	4.53	Operational	Complied

II	Adyar River	181.6	90.98		
7	Nesapakkam STP Zone –IV	40	20.47	Operational	Complied
8	Nesapakkam STP Zone IV	54	35.43	Operational	Complied
9	Nesapakkam STP Zone -IV	50	32.07	Operational	Complied
10	Nesapakkam TTUF	10	1.01	Under Maintenance	Complied
11	CRRT - Todd Hunter Nagar MSTP	4	1.87	Operational	Complied
12	CRRT -Kotturpuram MSTPs	0.6	0.13	Operational	Complied
13	Nesapakkam STP Zone –IV	23	0	Non operational – Under study for Rehab	-
	Buckingham Canal	745	385.76		
14	Kodungaiyur STP Zone – II New	120	103.90	Operational	Complied
15	Kodungaiyur STP Zone – I New	120	91.30	Operational	Complied
16	Perungudi STP Zone – V New	60	46.16	Operational	Complied
17	Perungudi STP Zone-V	54	53.97	Operational	Complied
18	Perungudi STP Zone-V	60	59.94	Operational	Complied
19	Sholinganallur STP (phase I)	18	17.99	Operational	Complied
20	Thiruvottriyur STP	31	12.50	Operational	Complied
21	Kodungaiyur STP Zone I & II	110	0	Non- operational – Flow diverted to 2*120 MLD	-
22	Kodungaiyur STP Zone II	80	0	Non- Operational under rehab	-
23	Kodungaiyur STP Zone I	80	0		-
24	Perungudi STP Zone-V	12	0	Non- Operational under rehab	
	Total – 24 Nos.	1152.80	615.81		
DMA					
25	Coimbatore- Ukkadam	70.0	35.0	Operational	Complied
26	Coimbatore- Ondiputhur	60.0	3.0	Operational	Complied
27	Coimbatore- Nanjudapuram	40.0	10.0	Operational	Complied
28	Coimbatore- Kuruchi&Kuniyamuthur	30.53	-	Under trial run	Partially Complied
29	Vellore	10.28	8.0	Operational	Complied
30	Dindigul	13.65	4.0	Operational	Complied

31	Avadi	36.0	8.00	Operational	Complied
32	Avadi	4.0	2.00	Operational	Complied
33	Madurai-1	125.0	24.0	Operational	Complied
34	Madurai-2	45.70	15.0	Operational	Complied
35	Thanjavur	28.05	14.00	Operational	Complied
36	Tiruppur	15.0	8.50	Operational	Complied
37	Tiruppur(Expansion of existing STP)	15.0	-	Under trial run	Partially Complied
38	Tiruppur (Sarkarperiyapalayam)	36.0	-	Under trial run	Partially Complied
39	Tiruppur (Chinnandipalayam)	20.0	-	Under trial run	Partially Complied
40	Cuddalore	12.25	6.70	Operational	Complied
41	Kanchipuram	14.70	14.70	Operational	Complied
42	Maraimalai Nagar	2.20	2.20	Operational	Complied
43	Tiruvallur	6.20	5.50	Operational	Complied
44	Chidambaram	9.44	7.60	Operational	Complied
45	Thiruvannamalai	8.70	5.25	Operational	Complied
46	Viluppuram – Kakuppam	9.0	8.00	Operational	Complied
47	Viluppuram -Erumanthangal	3.50	2.50	Operational	Complied
48	Arakkonam	11.04	4.0	Operational	Complied
49	Thirupathur	11.43	4.0	Operational	Complied
50	Bodinayakkanur	12.08	5.50	Operational	Complied
51	Chinnamanur	3.99	3.72	Operational	Complied
52	Periyakulam	5.47	4.0	Operational	Complied
53	Ramanathpuram	7.0	6.50	Operational	Complied
54	Rasipuram	6.96	3.50	Operational	Complied
55	Theni-Allinagaram	12.05	9.50	Operational	Complied
56	Sivagangai	4.92	3.50	Operational	Complied
57	Dharmapuri	4.86	3.90	Operational	Complied
58	Karur	15.0	6.50	Operational	Complied
59	Krishnagiri	12.34	8.0	Operational	Complied
60	Namakkal	7.0	6.20	Operational	Complied
61	Nagapattinam STP-1	9.63	5.10	Operational	Complied
62	Nagapattinam STP-2	2.69	1.10	Operational	Complied

63	Tiruvarur	6.92	4.10	Operational	Complied
64	Ariyalur	4.16	2.10	Operational	Complied
65	Pudukkottai	10.62	8.50	Operational	Complied
66	Perambalur	4.20	3.60	Operational	Complied
67	Udhagamandalam	5.0	4.0	Operational	Complied
68	Udumalaipet	7.81	4.85	Operational	Complied
69	Virudhunagar	7.65	3.80	Operational	Complied
70	Tambaram	30.0	14.0	Operational	Complied
71	Tuticorin	28.0	9.0	Operational	Complied
72	Thiruchendur	3.90	2.0	Operational	Complied
73	Ulunderpettai	3.15	0.67	Under trial run	Complied
74	Pollachi	11.25	2.90	Under trial run	Complied
75	Sattur	4.65	1.50	Under trial run	Complied
76	Karaikudi	16.0	0.50	Under trial run	Partially Complied
77	Nagercoil	17.66	-	Under trial run	Partially Complied
78	Rajapalayam	21.85	6.60	Operational	Complied
79	PRS -Tiruchirappalli	58.0	58.0	Operational	Complied
80	Tiruchirappalli – STP 2	37.0	-	Under trial run	Partially Complied
81	Salem - Vellakuttai STP	13.0	12.0	Operational	Complied
82	Salem - Anaimeedu STP	6.0	5.0	Operational	Complied
83	Salem - Mankuttai STP	35.0	29.0	Operational	Complied
84	Salem - Vandipettai STP	44.0	1.0	Operational	Complied
85	Tirunelveli	24.20	10.50	Operational	Complied
86	Erode	50.55	25.0	Operational	Complied
87	Mettur STP-1	0.82	0.354	Operational	Complied
88	Mettur STP-2	0.92	0.314	Operational	Complied
89	Mettur STP-3	5.45	2.834	Operational	Complied
90	Kumbakonam	17.0	13.50	Operational	Complied
91	Mayiladuthurai	5.85	5.85	Operational	Complied
92	Sathiyamanagalam	4.08	1.0	Operational	Complied
93	Mettupalayam	8.65	0.70	Operational	Complied
94	Ambur	16.71	-	Under trial run	Partially Complied
	Total - 70 Nos.	1251.71	492.14		
	CTP				
95	Mamallapuram TP	2.34	2.34	Operational	Complied

96	Orathanadu TP	2.30	1.95	Operational	Complied
97	Palanichettypatti TP	2.80	2.80	Operational	Complied
98	Thirumazisai TP	3.0	3.0	Operational	Complied
99	Velankanni TP	2.33	2.10	Operational	Complied
100	Manachanallur TP	6.41	1.85	Operational	Complied
101	S. kannanur TP				
102	Vallam TP	2.35	2.35	Operational	Complied
103	Perundurai TP	3.14	2.10	Operational	Complied
104	Melachokanathapuram TP	2.0	1.90	Operational	Complied
105	Sulur	2.17	0.80	Operational	Complied
106	Cheranmahadevi	1.97	1.97	Operational	Complied
107	Patthamadai	1.61	1.61	Operational	Complied
108	Sriperumbudur	8.50	0.80	Operational	Complied
109	Thiruporur	4.02	1.05	Operational	Complied
	Total (15 Nos)	44.94	26.62		
Grand Total (109 Nos.)		2449.45	1134.57		

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
35.	kuzhithurai	0.02	0.02	Operation	Complied
	Total 35 FSTPs	0.99	0.99		
	CTP				
36.	Karunguzhi	0.024	0.024	Operation	Complied
37.	Periyanaikanpalayam	0.030	0.030	Operation	Complied
38.	Chengam TP	0.020	0.020	Operation	Complied
39.	Alangayam TP	0.015	0.013	Operation	Complied
40.	Mudukulathur	0.015	0.012	Operation	Complied
41.	Jalakandapuram	0.015	0.013	Operation	Complied

42.	Kurumbalur TP	0.010	0.009	Operation	Trial Run
43.	Pennadam TP	0.010	0.005	Operation	Trial Run
44	Pennagaram	0.015	0.005	Operation	Trial Run
	Total (9 Nos)	0.154	0.131		
	Grand Total (44 Nos)	1.144	1.121		

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	95.0		Sept 2024 (36 +18) 18 MLD trial run under progress
2.	Perungudi TTUF	10	89.50		March 2025
3.	Villivakkam TTUF	5	8.08		Dec 2025
Total (3 Nos.)		69			
DMA					
4.	Vellore	50.0	93		Dec- 24
5	Rameshwaram	4.08	98		July- 24
6	Ponneri	6.52	91		July - 24
7	Pammal&Anagaputhur	27.0	85		August -24
8	Tindivanam	11.44	94.87		August -24
9	Villupuram Added Area	4.56	Land identified. Soil test will be carried out by TWAD on second week of July,2024.		
Total (6 Nos.)		103.60			
	Grand Total (9 Nos)	172.6			

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	Tender Cancelled
2	Gudalur	0.02	95	July - 2024
3	Walajapet	0.03	32	Tender Cancelled
4	Keelakarai	0.02	93	July - 2024
5	Sivakasi	0.04	58	Aug - 2024
6	Vaniyambadi	0.03	63	July - 2024
	Total 6	0.16		
	CTP			
7	Kaveripattinam TP	0.015	98	31.07.2024

	Total (1 Nos)	0.015		
	Grand Total (7 Nos)	0.175		

Details of Proposed STPs in the State & PRS

S. No	Name of the Project	No of STPs	STP/FSTPs Capacity (in MLD)	DPR status
	DMA			
1	Coimbatore (3 added area)	1	9.95	Tender received on 04.07.2024 and under evaluation.
2	Hosur -1	2	32.65	Bids extended to 10.07.2024.
3.	Hosur -2			
4.	Tiruchirapalli	1	100	LOA issued & agreement executed on 12.06.24 & work yet to commence.
5.	Tirunelveli	1	58	Tender received under evaluation
6	Karur	1	18.45	DPR under appraisal.
7	Mannargudi	1	10.05	Tender received on 04-07-24 and under evaluation
8	Arupukottai	1	13.24	Tender received on 04-07-24 and under evaluation
9	Maraimalai Nagar - 1	2	15.92	Tender extended to 15.07.24
10	Maraimalai Nagar - 2			
11	Chengalpattu	1	11.35	Tender extended to 22.07.24
12	Palani	1	12.88	Tender extended to 19.07.24
13	Poonamala, Thiruverkadu&Mangadu	1	80.91	Bid document under preparation
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	Tender received & under evaluation
18	Thiruvannamalai	1	13.40	Tender received & under evaluation
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	Tender extended to 15.07.24
	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	Madathukulam TP	-	-	DPR Stage	
28	Omalur TP	-	-	DPR Stage	
29	Poolampatty TP	-	-	DPR Stage	
30	Kuthalam TP	-	-	DPR Stage	
31	Thirukattupalli TP	-	-	DPR Stage	
32	Thiruvaiyaru TP	STP cum FSTP	1.01	Completed	DPR Approved Tender stage Sanctioned in 6 th SHPC held on 08.03.2024 As date:04.03.2024 TS date:15.03.2024
33	Pethanaickenpalayam TP	-	-	Completed	Tamil Nadu Water Investment

					Company (M/s TWIC has been appointed as consultant for preparation of DPR. DPR submitted on 15.02.2022 by TWIC. DPR under scrutiny.
34	Yethapur TP	STP cum FSTP	1.01	Completed	DPR Approved - Sanctioned in 7th SBM (U) 2.0 SHPC held on 14.03.2024. Awaiting for G.O.
35	Belur TP	-		Completed	Tamil Nadu Water Investment Company (M/s TWIC has been appointed as consultant for preparation of DPR. DPR submitted on 15.02.2022 by TWIC. DPR under scrutiny.
36	Srivaikundam TP	-	-	Completed	
37	Authoor TP	-	-	Completed	
38	Eral TP	-	-	Completed	
39	Alwarthirunagari TP	-	-	Completed	
40	Then Thiruperaai TP	-	-	Completed	
41	Arumuganeri TP	-	-	Completed	
42	Mukkudal TP	STP	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.
43	Gopalasamudram TP	STP	1.40	Completed	
44	Kallidaikurichi TP	STP	3.09	Completed	
45	Veeravanallur TP	STP	2.79	Completed	
46	Mela Seval TP	STP	0.53	Completed	
47	Naranammalpuram TP	STP	0.01	Completed	
48	Karunkuzhi	STP	1.00	Completed	DPR Approved Sanctioned in 6th SBM (U) 2.0 SHPC held on 08.02.2024. AS Date: 04.03.2024 TS Date: 15.03.2024
49	Chengam	STP	1.00	Completed	
50	Alangayam	STP	1.00	Completed	
51	Karimangalam	STP	1.00	Completed	
52	Pennagaram	STP	1.00	Completed	
53	Udayarpalayam	STP	1.00	Completed	
54	Kurumbalur	STP	1.00	Completed	
55	Mudukulathur	STP	1.00	Completed	
56	Pennadam	STP	2.00	Completed	
57	Thirukalukundram	STP cum FSTP	2.02	Completed	
58	Pudhuvayal		1.01	Completed	
59	Iluppur		1.01	Completed	
60	T. Kallupatti		1.01	Completed	
61	Peraiyur		1.01	Completed	
62	Polur	STP cum FSTP	2.01	Completed	DPR Approved Sanctioned in 7th SBM (U) 2.0 SHPC held on 14.03.2024. Awaiting for G.O.
63	Kannamanagalam		1.01	Completed	
64	Veeraganur		1.01	Completed	
65	Modakurichi		1.01	Completed	
66	Muthur		1.01	Completed	
67	Veerapandi		2.01	Completed	
68	Srimushnam		1.01	Completed	
69	Marakkanam		1.01	Completed	
70	Thiruvennainallur		1.01	Completed	

71	Sankarapuram		2.01	Completed	
72	Kattupudur		1.01	Completed	
73	Thathaiyangarpet		1.01	Completed	
74	Ponnampatti		1.01	Completed	
75	Kallakudi		1.01	Completed	
76	Mettupalayam	STP cum FSTP	1.01	Completed	DPR Approved Sanctioned in 7th SBM (U) 2.0 SHPC held on 14.03.2024. Awaiting for G.O.
77	P.J.Cholapuram		1.01	Completed	
78	Alanaganallur		1.01	Completed	
79	Elumalai		2.01	Completed	
80	Ilayangudi		1.01	Completed	
81	Kanadukathan		1.01	Completed	
	Total (59 Nos)		51.6		
	Grand Total 81 Nos		525.4		

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. (1,14,682.85ML). 33 CETPs in operation: 2 Nos not in operation.	Proposed – 10 Nos., Capacity 41 MLD.
10.	Status of compliance and operation of the CETPs	Under Construction 1 CETP at Kanchipuram (Member Units 36 Nos.)-3650 KLD capacity. It will be commissioned early. 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	1	5	201.4	Not in Operation	NA	NA	NA
21	M/s. Perundurai Leathers Industries Eco – Security Private Limited, Perundurai, Erode District	1	14	1000	Not in Operation	NA	NA	NA
22	M/s. Ambur Tannery Effluent Treatment Company Limited, Thuthipet Sector, Ambur, Tirupattoor District	1	44	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	1	17	1100	Operation	Connected	RCO valid up to 31/3/2024 Renewal Application is under process	Complied
24	M/s. Talco Pernambut Tannery Effluent Treatment Company Ltd., Pernambut, Vellore District	1	36	891	Operation	Connected	RCO valid up to 31/3/2025	Complied
25	M/s. Vanitec Limited Valayampet, Vaniyambadi, Tirupattoor District	1	133	3342	Operation	Connected	RCO valid up to 31/3/2025	Complied
26	M/s. Ranipet Tannery Effluent Treatment Company Limited (RANITEC), Ranipet District	1	92	4500	Operation	Connected	RCO valid up to 31/3/2025	Complied

27	M/s. Ranipet SIDCO Leather Effluent Treatment Company Limited, Ranipet District	1	81	2500	Operation	Connected	RCO valid up to 31/3/2025	Complied
28	M/s. SIPCOT – SIDCO Phase II Entrepreneur Finished Leather Effluent Treatment Co. Ltd.,Ranipet,Dist	1	20	1560	Operation	Connected	RCO valid up to 31/3/2025	Complied
29	M/s. Visharam Tanners Enviro Control Systems (p) Ltd., Melvisharam, Ranipet District	1	36	600	Operation	Connected	RCO valid up to 31/3/2024 Renewal Application is under process	Complied
30	M/s. Madhavaram Leather Manufactures Facility (P) Ltd., Madhavaram	1	14	400	Operation	Connected	RCO valid up to 31/3/2024 Renewal Application is under process	Complied
31	M/s. Pallavaram Tanners Industrial Effluent Treatment Company Limited, Chrompet, Chennai	1	130	3000	Operation	Connected	RCO valid up to 31/3/2025	Complied
32	M/s. Talco Dindigul Tanners Enviro Control System Pvt. Ltd., Dindigul	1	49	2533	Operation	Connected	RCO valid up to 31/3/2024 Renewal Application is under process	Complied
	HOTEL SECTOR- CETP							
33	M/s.Kodaikanal Hotel 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 31/03/2025	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	RCO valid up to 31/3/2024 Personal hearing conducted with CETP stakeholders on 25.07.2024. The Board has instructed the CETP to complete the shortfalls within three months & to apply for renewal of consent immediately. Minutes of meeting communicated to all stakeholders	Not Complied
35	M/s Madurai Electroplaters Industrial Park, D.Karisalkulam Village, Thiruppuvanam Taluk, Sivagangai District.	1	28	49.6	In operation	Connected	RCO valid till 31/03/2025	Complied
Total			1336	111882.9				

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
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,	4.5	

Sl. No.	Town	Name of CETPs	CETP Capacity (MLD)	Status of Consent
		Erode Taluk & Erode District		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.
5.	Erode	Villarasampatti Common Effluent Treatment Plant Private Limited, Erode Taluk & Erode District	4.5	
6.	Erode	M/s.Suriyampalayam Common Effluent Treatment Plant Private Limited, Erode	4.2	
7.	Erode	M/s. Green Kalingarayan Common Effluent Treatment Plant Private Limited, Erode	5.8	
8.	Erode	M/s. Erode Common Effluent Treatment Plant Private Limited (CRMS), Erode.	2.0	CTE issued upto 31.03.2026.
9	Kumarapalayam	M/s. Kumarapalayam Green Cauvery Dyeing Cluster, Kumarapalayam	5.0	
10	Kumarapalayam	M/s. Green Environmental Association, Pallipalayam &Kumarapalayam (CRMS)	3.0	
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- 15,479 TPD. Note: The MSW of RLB is furnished separately in the dossier below.	ULB- 1786.8
3.	a. Number of facilities	3761 (DMA- 2170 +CTP- 1219+ GCC- 372)	458
	b. Installed capacity –TPD	10456 (DMA- 7088 + CTP-1888 + GCC – 1480)	1565
	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.,	9278 (DMA- 6294 +CTP - 1888 +GCC-1096) The utilization capacity is 89 %	1415

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) No. of wards having door to door collection service, No. of wards practicing segregation at source	12,999 12,518 11,428	1182 1161 1051
7	Details of MSW treatment facilities proposed and under construction (No., capacity, and technology)	Proposed – 40 Nos. (DMA-18, CTP – 15, GCC - 7). Capacity :2230 TPD (DMA-2230 TPD)	6 No. 645 TPD
		Under Construction- 108 Nos. (DMA-103 + CTP- 0 + GCC-5) Capacity 1267 TPD (DMA-767 +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 June 2024 is 1,03,37,994 Cum. Note: 161 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)	Proposed MSW Facilities & Completion timeline
DMA	7518	7088	Windrow/Vermi composting, Biogas generation	6294	108 Nos. of MSW treatment facilities are under construction & 40 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	6121	1096	Windrow/Vermi composting, Bio-gas generation	1096	5 Nos. of MSW treatment facilities are under construction.
Total	15479	9891		9097	-

VI.Bio-Medical Waste Management (BWM):

S.No	BWM	State	PRS
1.	Total Bio-medical generation (TPD)	a) Authorized quantity :116.77 T/Day. b) Average generation: 49.72 T/day.	Authorized quantity: 11.994 T/Day
2.	No. of Hospitals and Health Care Facilities:	31,031	6780

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 Common facilities (CBMWTFs) is under establishment in Tiruppur Districts.
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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 Recyclable: 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)	1779	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.
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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	21 Nos. of STPs / FSTPs are under construction. - To bridge the gap 47 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 Additional Chief Secretary, Municipal Administration & Water Supply Department, Government of Tamil Nadu has reviewed the progress of Action Plans on 22.06.2023. The Chief Secretary to Government of Tamil Nadu has reviewed the progress of

implementation of action plans for Polluted River Stretches on 13.05.2024. The Principal Secretary, Environment Climate Change and Forests department has reviewed the status of implementation of works in Polluted River Stretches on 19.07.2024. 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 June 2024

Sl.No.	Name of the River	No of Monitoring Locations	BOD mg/L
1	Sarabanga	1	No flow
2	Thirumanimutharu	1	42
3	Vasista	1	36
4	Cauvery	19	< 2 - 3.3
5	Bhavani	7	2.4 – 2.9
6	Thamirabarani	12	2.1 – 3.1
7.	Amaravathi	3	2.0 – 2.2
8.	Palar	1	No flow
9.	Cooum	7	16 - 33
10.	Adyar	5	12 - 20

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 376 mg/L to 2105 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. In Cuddalore district TDS values more than 2000 mg/L in Tiruvamur, Parivilagam, Koothur, Krishnapuram, Mangalur and Veppur villages.
Bhavani	The general distribution of ground water quality varies between Good to moderate level.
Thamirabarani	The collected water quality data of Cheranmadevi, Thiruvaidaimaruthur, 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.107.09 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.
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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	
Thirumanimutharu	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
	The identification of flood plain zones is in progress. Bio Diversity and

& Cauvery	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 and again new form VII will be issued for removal of encroachments on or before 14.08.2024.
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 June 2024 an E Flow of 0.1376 TMC was maintained.
Bhavani	An E flow of 462.24 Mcft. (including Irrigation purpose) was maintained in the river Bhavani during the Month of June 2024.

Thamirabarani	An average of 564.88 cusecs of water is released into the river in the month of June 2024 to ensure minimum environmental flow.
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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 River Banks 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 Urban Local 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.

**Gist of Report on the progress made on the Polluted River Stretches
Tamil Nadu State
Month: JUNE 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 109 STPs existing with treatment capacity of 2449.45 MLD and 44 FSTPs of 1.144 MLD capacity. In addition, 1094.75 MLD of sewage is treated using alternate technologies.
b.	Under construction STPs	9 STPs (172.6 MLD capacity) and 7 FSTPs (0.175 MLD capacity) are under construction and they are at various stages of implementation. Incremental increase of 0.5 to 3 % has been achieved during June 2024 . The incremental progress of the under-construction projects of STPs/FSTPs are furnished as Annexure-1 .
c.	Proposed STPs:	81 STPs are proposed to fill the gap of treatment of sewage.
4 a.	Existing MSW treatment :	a) Generation – 15,479 TPD . b) Treatment capacity – 10,456 TPD (Annexure-2)
b	Under construction MSW Facilities:	108 MSW facilities are being constructed to a capacity of 1267 TPD .
c.	Proposed MSW Facilities	40 Nos. of facilities are proposed to a capacity of 2230 TPD .
d	Bio -mining	a) Generated - 2,02,74,768 Cum. b) Treated - 1,03,37,994 Cum.
5 a.	Existing CETPs	There are 35 CETPs existing in the State with a capacity of 1,11,882.9 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 - 31,031 b) Authorized quantity of BMW - 116.77 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 JUNE 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="9">BOD < 3 mg/l</td></tr><tr><td>2</td><td>Thirumanimutharu</td><td>1</td><td>42</td></tr><tr><td>3</td><td>Vasista</td><td>1</td><td>36</td></tr><tr><td>4</td><td>Cauvery</td><td>19</td><td>< 2 – 3.3</td></tr><tr><td>5</td><td>Bhavani</td><td>7</td><td>2.4 – 2.9</td></tr><tr><td>6</td><td>Thamirabarani</td><td>12</td><td>2.1 – 3.1</td></tr><tr><td>7.</td><td>Amaravathi</td><td>2</td><td>2.0 – 2.2</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>16 - 33</td></tr><tr><td>10.</td><td>Adyar</td><td>5</td><td>12 - 20</td><td></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	42	3	Vasista	1	36	4	Cauvery	19	< 2 – 3.3	5	Bhavani	7	2.4 – 2.9	6	Thamirabarani	12	2.1 – 3.1	7.	Amaravathi	2	2.0 – 2.2	8.	Palar	1	No flow	9.	Cooum	5	16 - 33	10.	Adyar	5	12 - 20	
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9.	Cooum	5	16 - 33																																														
10.	Adyar	5	12 - 20																																														
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 %
			May 2024	June 2024	
	CMWSSB				
1.	Sholinganallur STP (Phase II)	54	94.50	95.0	0.5
2.	Perungudi TTUF	10	89.50	89.50	-
3.	Villivakkam TTUF	5	8.08	8.08	-
	DMA				
4.	Vellore	50.0	93	93	-
5.	Rameshwaram	4.08	98	98	-
6.	Ponneri	6.52	89.27	91	1.73
7.	Pammal & Anagaputhur	27.0	85	85	-
8.	Tindivanam	11.44	94.87	94.87	-

INCREMENTAL PROGRESS OF FSTPs UNDER CONSTRUCTION

Sl.No	Location	Capacity (MLD)	% of Completion		Incremental Progress %
			May 2024	June 2024	
	DMA				
1	Padmanabhapuram	0.02	75	75	-
2	Gudalur	0.02	95	95	-
3	Walajapet	0.03	32	32	-
4	Sivakasi	0.04	58	58	-
5	Keelakarai	0.02	92	93	1
6	Vaniyambadi	0.03	62	63	1
CTP					
7	Kaveripattinam TP	0.015	95	98	3

Annexure-2

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

Sl. No	Details	Jan 2024	Feb 2024	Mar 2024	April 2024	May 2024	June 2024	Incremental increase (%) (May 2024 to June 2024)
1	MSW generation (TPD)	15462	15497	15056	15376	15150	15479	2.13
2	MSW treatment capacity (TPD)	9278	9422	9485	9974	10283	10456	1.65
3	MSW utilization (TPD)	8498	8642	8705	8911	9099	9278	1.93
