

Monthly Progress Report in the NGT Matter

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

Month: NOVEMBER 2023.

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)	103 2348.05	17 338.96
2.	Existing No. of FSTP and Capacity (in MLD)	36 0.999	6 0.06
	Sewage being treated through Alternate technology (MLD)	957	1.56
3.	Total	3306.049	340.58
4.	Under Construction STPs & FSTP (MLD)'	267.17	-
5.	Grand Total	3573.219	-
6.	Gap in Treatment Capacity in MLD	365.071	59.89
7.	Capacity Utilization of existing STPs & FSTPs	1143.249	165.11
8.	No. of Operational STPs	103	17
9.	No. of Complying STPs	103	17
10.	No. of Non-complying STPs	Nil	Nil

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				
1.	Nesapakkam STP Zone – IV	23	8.92	Operational	Complied
2.	Koyambedu STP Zone – III	34	30.31	Operational	Complied
3.	Kodungaiyur STP Zone II	80	0	Non-Operational	–

4.	KodungaiyurSTPZone I	80	0	Non-Operational	-
5.	Perungudi STP Zone - V	12	11.94	Operational	Complied
6.	KoyambeduSTPZone - III	60	51.13	Operational	Complied
7.	KodungaiyurSTPZone I& II	110	0	Under rehabilitation	Complied
8.	Nesapakkam STP Zone –IV	40	18.41	Operational	Complied
9.	Perungudi STP Zone-V	54	53.99	Operational	Complied
10	Perungudi STP Zone-V	60	59.95	Operational	Complied
11	Nesapakkam STP Zone –IV	54	41.99	Operational	Complied
12	Koyambedu STP Zone – III	120	60.37	Operational	Complied
13	Sholinganallur STP(phase I)	18	17.96	Operational	Complied
14	Thiruvottriyur STP	31	5.81	Operational	Complied
15	Kodungaiyur STP Zone – II New	120	118.20	Operational	Complied
16	Nesapakkam TTUF	10	8.0	Operational	Complied
17	CRRT - Chetpet MSTP	1.0	0.03	Operational	Complied
18	CRRT- Nungambakkam MSTP	1.2	0.63	Operational	Complied
19	CRRT - Todd Hunter Nagar MSTP	4	0.72	Operational	Complied
20	CRRT -Kotturpuram MSTPs	0.6	0.59	Operational	Complied
21	Kodungaiyur STP Zone – I	120	115.50	Operational	Complied
22	Nesapakkam STP Zone -IV	50	38.27	Operational	Complied
	Total – 22 Nos	1082.80	642.72		
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&Kuniamuthur	30.53	-	Under trial run	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	Complied
36.	Tiruppur (Sarkarperiyapalayam)	36.0	-	Under trial run	Complied
37.	Tiruppur (Chinnandipalayam)	20.0	-	Under trial run	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	6.80	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	4.20	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	Complied

75.	Nagercoil	17.66	-	Under trial run	Compiled
76.	Rajapalayam	21.85	-	Under trial run	Compiled
77.	PRS -Tiruchirappalli	58.0	58.0	Operational	Complied
78.	Tiruchirappalli – STP 2	37.0	-	Under trial run	Compiled
79.	Salem - Vellakuttai STP	13.0	12.0	Operational	Complied
80.	Salem - Anaimedu 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
	Total - 69 Nos.	1235.0	483.44		
	CTP				
92.	Mamallapuram TP	2.34	2.34	Operational	Complied
93.	Orathanadu TP	2.30	1.60	Operational	Complied
94.	Palanichettypatti TP	2.80	2.80	Operational	Complied
95.	Thirumazisai TP	3.0	1.80	Operational	Complied
96.	Velankanni TP	2.33	1.10	Operational	Complied
97.	Manachanallur TP	6.41	1.85	Operational	Complied
98.	S. kannanur TP				
99.	Vallam TP	2.35	2.35	Operational	Complied

100	Perundurai TP	3.14	0.35	Operational	Complied
101	Melachokanathapuram TP	2.0	1.90	Operational	Partially Complied
102	Cheranmahadevi	1.97	0.0	Operational	Partially Complied
103	Petthamadai	1.61	0.0	Operational	Partially Complied
	Total (12 Nos)	30.25	16.09		
	Grand Total (103 Nos.)	2348.05	1142.25		

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
	Total 30 FSTPs	0.88	0.88		
	CTP				
31.	Karunguzhi	0.024	0.024	Operation	Complied
32.	Periyanaikanpalayam	0.03	0.030	Operation	Complied
33.	Chengam TP	0.020	0.020	Operation	Complied
34.	Alangayam TP	0.015	0.015	Operation	Complied
35.	Mudukulathur	0.015	0.015	Operation	Complied
36.	Jalakandapuram	0.015	0.015	Operation	Complied
	Total (6 Nos)	0.119	0.119		
	Grand Total (36 Nos)	0.999	0.999		

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(Phas	54	94.25		April 2024 (36 +18) 18 MLD trial run under progress
2	PerungudiSTP Zone - V	60	84.37		January2024
3	Perungudi TTUF	10	89.50		March 2024
4	CRRT, Langs Garden MSTP	10	94.0		Trial run under progress December 2023
Total (4 Nos.)		134			
DMA					
5	Ambur	16.71	95		Jan-24
6	Vellore	50.0	91		March- 24
7	Rameshwaram	4.08	93		Jan -24
8	Ponneri	6.52	75		March- 24
9	Pammal&Anagaputhur	27.0	49		March -24
10	Tindivanam	11.44	62		May-24
11	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 (7 Nos)		120.31			
CTP					
12	Sriperumbudur TP	8.50	97	5695/6000	31.01.2024
13	Thiruporur TP	4.02	97	4479/4479	29.02.2024
Total (2Nos)		12.52			
Grand Total (13Nos)		266.83			

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& retender to be called
2	Aranthangi	0.02	97	Dec - 2023
3	Coonoor	0.01	99	Dec- 2023
4	Virudhachalam	0.04	99	Dec- 2023
5	Gudalur	0.02	95	Dec 2023
6	Chengalpattu	0.02	97	Dec- 2023
7	Walajapet	0.03	32	Tender cancelled& retender to be called
8	Keelakarai	0.02	86	Dec– 2023
9	Kuzhithurai	0.04	90	Dec- 2023
10	Sivakasi	0.04	58	Dec– 2023
11	Vaniyambadi	0.03	62	Dec-2023
	Total 11	0.29		
	CTP			
12	Pennagaram TP	0.015	95	31.12.2023
13	Kaveripattinam TP	0.015	95	31.12.2023
14	Kurumbalur TP	0.010	97	31.12.2023
15	Pennadam TP	0.010	100 % Civil workscompleted..	30.12.2023
	Total (4 Nos)	0.05		
	Grand Total (15Nos)	0.34		

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	Bids to be invited.Awaiting for bank NoC
2	Hosur -1	2	32.65	Tender to be called
3.	Hosur -2			
4.	Tiruchirapalli	1	100	Tender called due date on 22.11.2203

5.	Tirunelveli	1	58	Awaiting for bank NoC. Tender to be called for.
6	Karur	1	18.45	DPR under appraisal.
7	Mannargudi	1	10.05	DPR under appraisal.
8	Arupukottai	1	13.24	DPR under appraisal.
9	Maraimalai Nagar - 1	2	15.92	DPR under appraisal.
10	Maraimalai Nagar - 2			
11	Chengalpattu	1	11.35	DPR under appraisal.
12	Palani	1	12.88	DPR under appraisal.
13	Poonamala, Thiruverkadu&Mangadu	1	80.91	DPR under appraisal.
14	Cuddalore	1	12.59	DPR under appraisal.
15	Dindigul -1	2	17.80	DPR under appraisal.
16	Dindigul- 2			
17	Kancheepuram	1	30.00	DPR under appraisal.
18	Thiruvannamalai	1	13.40	DPR under appraisal.
19	Pudukottai	1	10.80	DPR under appraisal.
20	Namakkal	1	11.23	DPR under appraisal.
21.	Dharmapuri	1	5.21	DPR under appraisal.
	Total	21	464.43	

CTP			Status of Project	Remarks
1	Sirugamani TP		DPR Stage	DPR is under preparation by WAPCOS / PWD.
2	Mohanur TP		DPR Stage	
3	Velur TP		DPR Stage	
4	Bhavani sagar TP		DPR Stage	
5	Sirumugai TP		DPR Stage	
6	Madathukulam TP		DPR Stage	
7	Omalur TP		DPR Stage	
8	Poolampatty TP		DPR Stage	
9	Kuthalam TP		DPR Stage	
10	Thirukattupalli TP		DPR Stage	
11	Thiruvaiyaru TP		DPR Stage	
12	PethanaickenpalayamTP		DPR Completed	Tamil Nadu Water Investment
13	Yethapur TP		DPR Completed	
14	Belur TP		DPR Completed	
15	Srivaikundam TP		DPR Completed	
16	Authoor TP		DPR Completed	

17	Eral TP		DPR Completed	Company (M/s TWIC has been appointed as consultant for preparation of DPR. DPR submitted on 15.02.2022 by TWIC. DPR under scrutiny.
18	Alwarthirunagari TP		DPR Completed	
19	Then Thiruperaai TP		DPR Completed	
20	Arumuganeri TP		DPR Completed	
21	Mukkudal TP		DPR 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.
22	Gopalamudram TP		DPR Completed	
23	Kallidaikurichi TP		DPR Completed	
24	Veeravanallur TP		DPR Completed	
25	Mela Seval TP		DPR Completed	
26	Naranammalpuram TP		DPR Completed	
	Total (26 Nos)			
	Grand Total 47Nos			

Details of Proposed FSTPs in Tamil Nadu

Sl.No.	Location	Capacity of the plant (MLD)	Physical Progress in %	Completion Timeline
	DMA			
1	Colachel	0.04	-	Work is to be Commissioned
2	Manaparai	0.02	-	Work is to be Commissioned
3	Nellikuppam	0.02	-	
4	Panruti	0.03	-	
5	Usilampatti	0.02	-	Administrative Sanction issued
	Total (5)	0.13		

IV. Details of Industrial Pollution-TNPCB

Sl. No.	Details of Industries	State	PRS
1.	No. of industries in the State:	49,524	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 toCETP:	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 – 36 Nos. (99 MLD). 35 CETPs in operation:1 No is closed.	Proposed – 10 Nos., Capacity 41 MLD.
		Under Construction 1 CETP at Kanchipuram (Member Units 76 Nos.)- 3650 KLD capacity. To be commissioned early.	
10	Status of compliance and operation of the CETPs	Details furnished below	

Status of compliance and operation of the CETPs in the State-TNPCB

Sl. No.	Location	No. of CETPs	No. of industrial units connected to CETP.	Restricted Quantity for CETPs (KLD)	Status of CETPs	Compliance Status TNPCB Norms.
1	Talco Trichy Tannery CETP- Trichy	1	5	201.4	Operation	Complied
2	Talco Dindigul Tanners Enviro Control CETP-Dindigul	1	49	1517	Operation	Complied
3	Perundurai Leather Eco – Security CETP -Perundurai	1	14	1000	Operation	Complied
4	Ambur Tannery CETP-Thuthipet Sector-Ambur	1	49	1150	Operation	Complied
5	Ambur Tannery CETP-Maligaithope Sector - Ambur	1	17	330	Operation	Complied
6	Talco Peranambut Tannery CETP - Vellore	1	36	600	Operation	Complied
7	Vanitech Ltd - CETP Vaniyambadi	1	133	2000	Operation	Complied
8	Ranipet Tannery CETP - Ranipet	1	82	3600	Operation	Complied
9	Ranipet SIDCO Finished Leather CETP -Ranipet	1	79	1875	Operation	Complied
10	SIPCOT & SIDCO Phase 11 Entrepreneur Finished Leather CETP - Ranipet	1	20	700	Operation	Complied
11	Vishram Tanners Enviro Control systems Pvt Ltd CETP – Vishram - Ranipet	1	36	669	Operation	Complied
12	Madhavaram Leather CETP - Madhavaram	1	14	400	Operation	Complied
13	Pallavaram Tanners CETP - Pallavaram	1	119	3000	Operation	Complied

14	Madurai Electro platers CETP - Sivagangi	1	48	49.6	Operation	Not Complied ²
15	Ambattur Electro Platers CETP Ambattur	1	211	200	Operation	Complied
16	Eastern CETP - Tiruppur	1	75	4500	Operation	Complied
17	PND Textille CETP -Tiruppur	1	6	2000	Operation	Complied
18	AngaripalayamCETP-Tiruppur	1	29	9000	Operation	Complied
19	KunnagalpalayamCETP- Tiruppur	1	12	2585	Operation	Complied
20	MurugampalayamCETP-Tiruppur	1	18	7177	Operation	Complied
21	Andi palayam CETP- Tiruppur	1	60	1911	Operation	Complied
22	Kasi palayamCETP-Tiruppur	1	28	3520	Operation	Complied
23	Mannarai CETP-Tiruppur	1	69	3748	Operation	Complied
24	VeerapandiCETP-Tiruppur	1	4	10758	Operation	Complied
25	Park CETP - Tiruppur	1	17	2250	Operation	Complied
26	ArulpuramCETP-Tiruppur	1	23	4950	Operation	Complied
27	SripulavapattiCETP-Tiruppur	1	12	4500	Operation	Complied
28	Kalli kaduCETP-Tiruppur	1	8	2700	Operation	Complied
29	VelluvapalayamCETP- Tiruppur	1	15	195	Operation	Complied
30	Mangalam CETP-Tiruppur	1	15	2485	Operation	Complied
31	KaraipudurCETP-Tiruppur	1	19	2681	Operation	Complied
32	RayapuramCETP-Tiruppur	1	25	4950	Operation	Complied
33	ChinnakariCETP-Tiruppur	1	9	6561	Operation	Complied
34	Textile Sector CETP- SIPCOT Perundurai	1	14	2681	Operation	Complied

35	Textile Association CETP - Kanchipuram	1	62	1500	Not in operation	Not Complied (Closed)
36	Hotel Association CETP- Kodaikanal	1	40	850	Operation	Complied
Total		36	1472	98794		

Note:

1. The CETP, **Kanchipuram** was closed by the TNPCB and the power supply was disconnected on 01.07.2019, as the CETP has not implemented ZLD. The member units were also closed and power supplies disconnected. Hence, the member units are not in operation. As the CETP, Kanchipuram is closed, consent to Establishment order has been issued by the TNPCB for another CETP for establishment (M/S Peraringnar Anna Handloom Silk Park Ltd, Kanchipuram) and the works are under progress.
2. Closure directions issued to Madurai Electroplaters CETP for not providing OCEMS. The CETP obtained stay order from the Hon'ble High Court of Madras (Madurai Bench) and the CETP is in operation.

Details of CETP Under Construction in the State

Sl. No.	Location	Name of CETPs	CETP Capacity (MLD)	Status
1.	Kanchipuram	M/S Peraringnar Anna Handloom Silk Park Ltd, Kanchipuram.	3.650	Under construction. To be commissioned early.

Note : 76 Member units are under construction.

Details of CETPs Proposed in the State

Sl. No.	Location	Name of CETPs	CETP Capacity (MLD)	Status
1.	Perundurai	Kadayampatti CETP Private Limited, Bhavani, Perundurai Taluk, Erode District	6.25	The proposal has been approved by Ministry of Textiles vide O.M dated: 14.09.2016. Fund is awaited.
2.	Perundurai	Sree Bhavani Dyeing Cluster Development Limited, Perundurai Taluk, Erode District.	4	1. The Secretary, Ministry of Textiles, GOI,

Sl. No.	Location	Name of CETPs	CETP Capacity (MLD)	Status
3.	Perundurai	Kadayampatti Common Reject Management Systems Private Limited (CRMS), Perundurai Taluk, Erode District	1.75	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 units in operation without ZLD system; Other member units are proposed industries only, ie. Green sites only 3. GOI share is awaited.
4.	Erode	Gangapuram CETP Private Limited, Erode Taluk & District	4.5	
5.	Erode	Villarasampatti CETP Private Limited, Erode Taluk & District	4.5	
6.	Erode	M/s.SuriyampalayamCETP Private Limited, Erode	4.2	
7.	Erode	M/s. Green Kalingarayan CETP Private Limited,Erode	5.8	
8.	Erode	M/s. Erode CETP Private 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,Namakkal dist.	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- 15,775 TPD. Note: The MSW ofRLB is furnished separately in the dossier below.	ULB- 1786.8

3.	a. Number of facilities b. Installed capacity –TPD c. Utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio-methanation, MRF,etc	3789 (DMA-2122 +CTP-1219+ GCC-448) 10108 (DMA-6592+CTP-1448+GCC – 2068) 8518 (DMA-5812 +CTP-1448+GCC-1258)	449 1497 1302
4.	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	1. It is proposed to increase thesegregation, 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 -41 Nos. (DMA-18 ,CTP – 15, GCC – 8). Capacity :2230 TPD (DMA-2230 TPD)	6 No. 645 TPD
		Under Construction- 128Nos. (DMA-122 + CTP- 0 +GCC-6), Capacity 1412TPD.(DMA- 892 +GCC 520) 6 incinerator plants of 35 TPD & 9 pyrolysis plants of 0.9 TPD are completed and are in trial run.	31Nos, 273 TPD
		(Technology: Windrow composting, Vermicomposting, Bio-gas production, Incineration, Pyrolysis, Micro composting, 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 2,02,75,704Cum. Total quantity of Legacy Waste biominced upto the month of November 2023 is 1,01,76,046Cum. Note: 135 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	6592	Windrow/Vermi composting, Biogas generation	5812	155 Nos. of MSW treatment facilities are under construction & 41 Nos. of facilities are proposed.
CTP	1805	1573	Pyrolysis, bio-composting.	1573	Incinerators & Pyrolysis are under progress for processing non-recyclable dry waste on cluster basis.
GCC	6452	1258	Windrow/Vermi composting, Bio-gas generation	1258	6 Nos. of MSW treatment facilities are under construction.
Total	15775	9423		8643	

VI. Bio-medical Waste Management (BWM):

S.No	BWM	State	PRS
1.	Total Bio-medical generation (TPD)	a) Authorized quantity : 104.4 T/Day. b) Average generation : 49.72 T/day.	Authorized quantity: 11.595 T/Day
2.	No. of Hospitals and Health Care Facilities:	29,552	6361
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.	

VII. Hazardous Waste Management (HWM)

S.No	Hazardous Waste Management	Tamil Nadu State
1.	Total Hazardous Waste generation	Total : 9.64810 lakhs T/A Recyclable:1.2081 lakhs T/A Utilizable : 7.30 lakhs T/A Land fillable : 0.90 lakhs T/A Incinerable : 0.24 lakhs T/A
2.	No. of Industries generating HW	4,199 units
3.	Treatment Capacity of all TSDFs	<u>2 Nos. of M/s Tamil Nadu Waste Management Limited (TNWML) Facility :</u> a. <u>TSDFGummidipoondi</u> : Permitted land fillable hazardous waste in SLF- 1,00,000 T/A Permitted for Incineration of hazardous waste with incinerator of capacity-1.5 T/Hr. b. <u>TSDFViruthunagar</u> : Permitted land fillable hazardous waste in SLF-2,40,000 T/A
4.	Average Quantity of Hazardous waste reaching the TSDFs and treated	Land fillable hazardous waste- 90,296 T/A Incinerable hazardous waste- 7312 T/A
5.	Details of on-going or proposed TSDF	A common TSDF is proposed by TNWML (Unit-3) at Balethottam village, Pochampalli Taluk, Krishnagiri District for which CTE is granted under Water & Air Acts for direct landfillable Hazardous waste -83 TPD & treated landfillable hazardous waste -166 TPD.

VIII. Plastic Waste Management

Plastic Waste Management	STATE	PRS
Total Plastic Waste generation (TPD)	1124	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 SWM 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. 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	28 Nos. of STPs / FSTPs are under construction. To bridge the gap 52 Nos. of STPs / FSTPs proposals are evolved by local bodies.
2	Vasista	5	
3	Cauvery	39	
4	Thirumanimutharu	7	
5	Bhavani	40	
6	Tamirabarani	20	
	Grand Total	139	

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

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

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

**Latest water quality of the polluted river stretches for the month of
November 2023**

Sl.No.	Name of the River	No of Monitoring Locations	BOD mg/L (Maximum level)
1	Sarabanga	1	10.0
2	Thirumanimutharu	1	10.0
3	Vasista	1	7.0
4	Cauvery	19	3.1
5	Bhavani	7	2.9
6	Thamirabarani	12	3.0
7.	Amaravathi	3	2.5
8.	Palar	1	2.1
9.	Cooum	5	36
10.	Adyar	5	19

Source: TNPCB

Ground water quality in the catchment of polluted rivers-PWD

Name of the River	Ground water quality
Sarabanga	The State Ground and Surface Water Resources Data Centre (SG&SWRDC) has provided monitoring wells for observation of ground water quality in Danishpet, Omalur, Idaipadi, Thevur and Tharamangalam areas. The Total Dissolved Solids(TDS) of this stretch is found to be vary between 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 Papanackipatti, Yethapur, Athur and Thalaivasal. The TDS value is 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 varies 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 at few places of Cuddalore TDS values is more than 2000 mg/L in Nagapanur, Chidambaram and Tiruvamur villages.
Bhavani	The general distribution of ground water quality varies between Good to moderate level.
Thamirabarani	The collected water quality data of Cheranmadevi, Thiruvidaimaruthur, Ambasamudram, Thirunelveli, Palayamkottai, and Ariyanaygipuram showed good, poor and moderate quality based on TDS.

XIV. Ground water regulation-PWD

Name of the River	Ground water regulation
Sarabanga	For effective management of Ground Water, 683 packaged drinking water firms operated illegally have been closed as per Honorable Madras High Court order passed under WP No.16299 / 2018.
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 highlevel technical committee headed by the Chief Secretary. In Thamirabarani basin area 9 illegally operating firms have been sealed and closed.
Bhavani	
Thamirabarani	

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

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

XVI. Rain Water Harvesting-PWD

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	7	4	Total – 230Nos. Barrages 3 Nos.–Rs.230 Crores. Artificial Recharge well 221 Nos, Recharge shaft 4 Nos. -Rs. 88.496Crores.
Total	123	16	283

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

Name of the River	Demarcation of Floodplain and removal of illegal encroachments
Sarabanga	Drone Survey completed by WAPCOS. The identification of flood plain zones is in process. Bio Diversity and afforestation will be carried out by NadanthaiVaazhi Cauvery Project. The DPR - Phase – I NadanthaiVaazhi Cauvery Project was submitted to NCRD for funding by March 2023. 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	Drone Survey has been completed by WAPCOS. The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by NadanthaiVaazhi Cauvery Project. The DPR - Phase – I NadanthaiVaazhi Cauvery Project was submitted to NCRD for funding by March 2023. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.
Bhavani	Drone Survey has been completed by WAPCOS. The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by NadanthaiVaazhi Cauvery Project. - Phase – I NadanthaiVaazhi Cauvery Project was submitted to NCRD for funding by March 2023. 55 Nos of encroachments belongs to fishing community, proposal for alternate land has already been sent to Secretary to Government, Revenue department by Commissioner for Revenue administration vide letter No F.2/41632/2005/Dt.15.2.2006 and proposal is pending.

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 and steps are being taken for the protection and management of Flood plain Zones of ThamirabaraniRiver. 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-PWD:

Name of the River	Maintaining minimum e-flow of river
Sarabanga	This river is only a flood carrier. The sewage water enters in to the river in Edapaddi Municipality, Omalur Town Panchayat and Poolampatti Town Panchayat. The above treatment plants are proposed under NadanthaiVaazhi 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 NadanthaiVaazhiCauveryProject.E flow will be maintained in this river after completion of sewage treatment plants,asthetreated 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 November2023 an E Flow of 0.027 TMC was maintained.
Bhavani	An E flow of 38.36 Mcft. (including Irrigation purpose) was maintained in the river Bhavani during the Month of November2023 .
Thamirabarani	An average of 1097.06cusecs of water is released into the river in the month of November 2023 to ensure minimum environmental flow.

XVIII. Plantation activities along the rivers-PWD

Name of the River	Plantation activities along the Rivers
Sarabanga	NadanthaiVaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD for funding by March 2023.
Thirumanimutharu	NadanthaiVaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD for funding by March 2023.
Vasista	There is no proposal at present.
Cauvery	NadanthaiVaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD for funding by March 2023.

Bhavani	NadanthaiVaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD for funding by March 2023.
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 - PWD

Name of the River	Development of Biodiversity park
Sarabanga	NadanthaiVaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD for funding by March 2023.
Thirumanimutharu	
Vasista	There is no proposal at present.
Cauvery	NadanthaiVaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD for funding by March 2023.
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.

XXI. 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 the Urban Local Bodies and the user agency for the re-use of secondary treated effluent water.

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	

XXII.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 by Tamil Nadu Pollution Control Board.
- Industries involved in textile dyeing, tannery activities, etc., have provided ETPs with zero liquid discharge systems.
- 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.

XXIII. 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.

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

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

Closure directions have been issued to CETP at Kanchipuram. The CETP and the member units are not in operation. The power supply to the CETP and the member units were disconnected.

Also, closure directions have been issued to CETP, Sivagangai by the Tamil Nadu Pollution Control Board. The CETP is in operation by getting stay order from Hon'ble High Court of Judicature, Madras (Madurai Bench).

XXVI. 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 programmeswereconductedthroughDistrict 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 water samples have been collected and analysed. The water bodies are being monitored by the Tamil Nadu Pollution Control Board.

XXVII. Action Plans are prepared to rejuvenate Rivers Viz., Palar & Amaravathi. For Cooum and Adyar Polluted River Stretches Action Plans are being prepared.

XXVIII. 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.

XXIX. 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. To rejuvenate the Amaravathi and Palar Polluted River Stretches action plans have been prepared and submitted to River Rejuvenation committee, Government of Tamil Nadu. On approval, the action plans will be implemented at field level so as to rejuvenate the Polluted River Stretches.

The action plans for rejuvenating Cooum and Adyar Polluted River Stretches are being prepared by the Government of Tamil Nadu and will be submitted to the Central Pollution Control Board for approval early.

**Gist of Report on the progress made on the Polluted River Stretches
Tamil Nadu State
Month: November 2023.**

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 Tamiraparani Priority -V River Bhavani, Amaravathi & Palar.
2	Sewage Generation	3938.29MLD in Tamil Nadu.
3.a.	Existing STPs	There are 103STPs in operation with treatment capacity of 2348.05MLD and 36FSTPs of 0.999MLD capacity. In addition, 957MLD of sewage is treated using alternate technologies.
b.	Under construction STPs	13STPs (266.83 MLD capacity) and 15 FSTPs (0.34 MLD capacity) are under construction and they are at various stages of implementation. Incremental increase of 0.67 to 9.68 % has been achieved during November 2023. The incremental progress of the under-construction projects of STPs/FSTPs are furnished as Annexure-1 .
c.	Proposed STPs:	47 STPs are proposed to fill the gap of treatment of sewage.
4 a.	Existing MSW treatment :	a) Generation – 15775 TPD . b) Treatment capacity - 10108 TPD (Annexure-2)
b	Under construction MSW Facilities:	128MSW facilities are being constructed to a capacity of 1412 TPD .

c.	Proposed MSW Facilities	41 Nos. of facilities are proposed to a capacity of 2230 TPD.
d	Bio -mining	a) Generated- 2,02,75,704 Cum. b)Treated- 1,01,76,046Cum.
5 a.	Existing CETPs	There are 36 CETPs existing in the State with a capacity of 98794KLD . Out of the 36 CETPs, 35 CETPs are in operation, one CETP (Kanchipuram) has been closed for non-compliance of Board orders. Also, closure directions issued to Madurai Electroplaters CETP for not providing OCEMS by the TNPCB. The CETP has obtained stay order from the Hon'ble High Court of Madras (Madurai bench) and it is 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- 29,552 b) Authorisedquantity of BMW – 104.4T/Day. c)Average generation - 49.72 T/day
7	Hazardous Waste Management	Total hazardousWaste generation is 9.64810 lakhs ton per annum . Out of which re-cyclable is 1.2081 lakhs ton/annum, utilizable is 7.30 lakhs ton/annum, land fillable is 0.9 lakhs ton/annum and incinerable is 0.24 lakhs tons/annum.
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 StretchesNovember2023. <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>10.0</td><td rowspan="9">BOD < 3 mg/l</td></tr><tr><td>2</td><td>Thirumanimutharu</td><td>1</td><td>10.0</td></tr><tr><td>3</td><td>Vasista</td><td>1</td><td>7.0</td></tr><tr><td>4</td><td>Cauvery</td><td>19</td><td>3.1</td></tr><tr><td>5</td><td>Bhavani</td><td>7</td><td>2.9</td></tr><tr><td>6</td><td>Thamirabarani</td><td>12</td><td>3.0</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>2.1</td></tr><tr><td>9.</td><td>Cooum</td><td>5</td><td>36</td></tr><tr><td>10.</td><td>Adyar</td><td>5</td><td>19</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	10.0	BOD < 3 mg/l	2	Thirumanimutharu	1	10.0	3	Vasista	1	7.0	4	Cauvery	19	3.1	5	Bhavani	7	2.9	6	Thamirabarani	12	3.0	7.	Amaravathi	2	2.5	8.	Palar	1	2.1	9.	Cooum	5	36	10.	Adyar	5	19	
Sl. No.	Name of the River	No.of Monitoring Locations	BOD mg/L (Maximum Value)	Bathing Standards																																															
1	Sarabanga	1	10.0	BOD < 3 mg/l																																															
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6	Thamirabarani	12	3.0																																																
7.	Amaravathi	2	2.5																																																
8.	Palar	1	2.1																																																
9.	Cooum	5	36																																																
10.	Adyar	5	19																																																
10.	Reuse of treated wastewater :97.0 MLD of industrial effluent istreated and reused. 80.50MLD of Sewage is treated and reused for agricultural and industrial purposes.																																																		
11.	Maintenance of ground and surface water quality – PWD 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: 123 existing RWH structures along the PRS are																																																		

	provided; 16Nos. are under progress and283Nos. 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 Tamiraparani 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 %
			October 2023	November 2023	
	CMWSSB				
1.	Sholinganallur STP (Phase II)	54	94.25	94.25	-
2.	PerungudiSTPZone - V	60	83.05	84.37	1.56
3.	Perungudi TTUF	10	88.50	89.50	1.12
4.	CRRT, Langs Garden MSTP	10	91.25	94.0	2.93
	DMA				
5.	Ambur	16.71	92	95	3.16
6.	Vellore	50.0	91	91	-
7.	Rameshwaram	4.08	93	93	-
8.	Ponneri	6.52	75	75	-
9.	Pammal&Anagaputhur	27.0	46	49	6.12
10.	Tindivanam	11.44	56	62	9.68
	CTP				
11	Sriperumbudur TP	8.50	97	97	-
12	Thiruporur TP	4.02	97	97	-

INCREMENTAL PROGRESS OF FSTPs UNDER CONSTRUCTION

Sl.No	Location	Capacity (MLD)	% of Completion		Incremental Progress %
			Oct 23	Nov 23	
	DMA				
1	Padmanabhapuram	0.02	75	75	-
2	Aranthangi	0.02	97	97	-
3	Coonoor	0.01	99	99	-
4	Virudhachalam	0.04	99	99	-
5	Gudalur	0.02	95	95	-
6	Chengalpattu	0.02	97	97	-
7	Walajapet	0.03	32	32	-
8	Sivakasi	0.04	58	58	-
9	Keelakarai	0.02	86	86	-
10	Vaniyambadi	0.03	62	62	-
11	Kuzhithurai	0.04	90	90	-
	CTP				
12	Pennagaram TP	0.015	95	95	-
13	Kaveripattinam TP	0.015	95	95	-
14	Kurumbalur TP	0.010	97	97	-
15	Pennadam TP	0.010	100.	100	-

Annexure-2

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

Sl. No	Details	June 2023	July 2023	August 2023	Sept 2023	Oct 2023	Nov 2023	Incremental increase (%) (October 2023 to November 2023)
1	MSW generation (TPD)	15577	15563	15508	15644	15641	15775	0.85
2	MSW treatment capacity (TPD)	9756	9769	9775	9311	9360	9423	0.67
3	MSW utilization (TPD)	8169	8178	8185	8531	8530	8643	1.31



DDLABS AEL <tnpcbprs@gmail.com>

DMA - LWM Nov'23 progress sent - Reg

1 message

dma office <dmaoffice@gmail.com>
To: DDLABS AEL <tnpcbprs@gmail.com>

Mon, Dec 18, 2023 at 3:18 PM

Please see the attached copy of November month LWM - PRS report

2 attachments

 **FSTPs Progress _30112023.xls**
106K

 **LWM Status (Nov-23 Month).doc**
187K

Overall status of STP
Nov -23 month progress

I. Estimated Sewage Generation (MLD) : 1698.73 (State)

Estimated Sewage Generation (MLD): 375.61 (PRS)

II. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	State	PRS
1	Existing no. of STPs and Treatment Capacity (in MLD)	69 Nos & 1235.00	15Nos & 310.52
2	Capacity Utilization of existing STPs	483.44	165.05
3	MLD of sewage being treated through Alternate technology	Nil	
4	Gap in Treatment Capacity in MLD	463.73	65.09
5	No. of Operational STPs	69nos	15 nos
6	No. of Complying STPs	69 nos	15 nos
7	No. of Non-complying STPs	Nil	

Details of each existing STP in the State & PRS

S. No	Location	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
1	Coimbatore - Ukkadam	70.00	35.00	Operational	Comply
	Coimbatore - Ondiputhur	60.00	3.00	Operational	Comply
	Coimbatore - Nanjudapuram	40.00	10.00	Operational	Comply
	Coimbatore – Kuruchi & kuniyamuthur	30.53	-	Under trial run	-
2	Vellore	10.28	8.00	Operational	Comply
3	Dindigul	13.65	4.00	Operational	Comply
4	Avadi	36.00	8.00	Operational	Comply
	Avadi	4.00	2.00	Operational	Comply
5	Madurai	125.00	24.00	Operational	Comply
	Madurai	45.70	15.00	Operational	Comply

6	Thanjavur	28.05	14.00	Operational	Comply
7	Tiruppur	15.00	8.50	Operational	Comply
	Tiruppur(Expansion of existing)	15.00	-	Under trial run	-
	Tiruppur (Sarkarperiyapalayam)	36.00	-	Under trial run	-
	Tiruppur (Chinnandipalayam)	20.00	-	Under trial run	-
8	Cuddalore	12.25	6.70	Operational	Comply
9	Kanchipuram	14.70	14.70	Operational	Comply
10	Maraimalai Nagar	2.20	2.20	Operational	Comply
11	Pallavapuram	(CMWSSB STP 115@Perungudi)		Operational	Comply
12	Tiruvallur	6.20	5.50	Operational	Comply
13	Chidambaram	9.44	6.80	Operational	Comply
14	Thiruvannamalai	8.70	5.25	Operational	Comply
15	Viluppuram – (Kakuppam)	9.00	8.00	Operational	Comply
	Viluppuram (Erumanthangal)	3.50	2.50	Operational	Comply
16	Arakkonam	11.04	4.00	Operational	Comply
17	Thirupathur	11.43	4.00	Operational	Comply
18	Bodinayakkanur	12.08	4.20	Operational	Comply
19	Chinnamanur	3.99	3.72	Operational	Comply
20	Periyakulam	5.47	4.00	Operational	Comply
21	Ramanathpuram	7.00	6.50	Operational	Comply
22	Rasipuram	6.96	3.50	Operational	Comply
23	Theni-Allinagaram	12.05	9.50	Operational	Comply
24	Sivagangai	4.92	3.50	Operational	Comply
25	Dharmapuri	4.86	3.90	Operational	Comply
26	Karur	15.00	6.50	Operational	Comply
27	Krishnagiri	12.34	8.00	Operational	Comply
28	Namakkal	7.00	6.20	Operational	Comply
29	Nagapattinam STP-1	9.63	5.10	Operational	Comply
	Nagapattinam STP-2	2.69	1.10	Operational	Comply
30	Tiruvarur	6.92	4.10	Operational	Comply

31	Ariyalur	4.16	2.10	Operational	Comply
32	Pudukkottai	10.62	8.50	Operational	Comply
33	Perambalur	4.20	3.60	Operational	Comply
34	Udhagamandalam	5.00	4.00	Operational	Comply
35	Udumalaipet	7.81	4.85	Operational	Comply
36	Virudhunagar	7.65	3.80	Operational	Comply
37	Tambaram	30.00	14.00	Operational	Comply
38	Tuticorin	28.00	9.00	Operational	Comply
39	Tiruchendur	3.90	2.00	Operational	Comply
40	Ulundurpet	3.15	0.67	Under trial run	Comply
41	Pollachi	11.25	2.90	Under trial run	Comply
42	Sattur	4.65	1.50	Under trial run	Comply
43	Karaikudi	16.00	0.50	Under trial run	-
44	Nagercoil	17.66	-	Under trial run	-
45	Rajapalayam	21.85	-	Under trial run	-
46	Tiruchirappalli	58.00	58.00	Operational	Comply
	Trichirapalli-STP2	37.00	-	Under trial run	-
47	Salem - Vellakuttai STP	13.00	12.00	Operational	Comply
	Salem - Anaimeedu STP	6.00	5.00	Operational	Comply
	Salem - Mankuttai STP	35.00	29.00	Operational	Comply
	Salem - Vandipettai STP	44.00	1.00	Operational	Comply
48	Tirunelveli	24.20	10.50	Operational	Comply
49	Erode	50.55	25.00	Operational	Comply
50	Mettur STP-1	0.82	0.354	Operational	Comply
	Mettur STP-2	0.92	0.314	Operational	Comply
	Mettur STP-3	5.45	2.834	Operational	Comply
51	Kumbakonam	17.00	13.50	Operational	Comply
52	Mayiladuthurai	5.85	5.85	Operational	Comply
53	Sathiyamanagalam	4.08	1.00	Operational	Comply
54	Mettupalayam	8.65	0.70	Operational	Comply
Total	69 nos	1233.00	483.44		

Details of under construction STPs in the State & PRS

S.No	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ambur	16.71	95%	-	Jan-24
2	Vellore	50.00	91%	-	March-24
3	Rameswaran	4.08	93%	-	Jan-24
4	Ponneri	6.52	75%	-	March-24
5	Pammal & Anagaputhur	27.00	49%	-	March-24
6	Tindivanam	11.44	62%	-	May-24
7	Villupuram Added Area	4.56	Due to Public objection this work has not been started. Alternate private land identified. Exchange of land with private land owners process in progress by RDO		
Total (7 nos)		120.31			

Details of Proposed STPs in the State & PRS

S. No	Name of the Project	No of STPs	STP Capacity (in MLD)	DPR status
1	Coimbatore (3 added area)	1	9.95	Bids to be invited. Awaiting for bank NoC.
2	Hosur	2	32.65	Tender to be called
3	Tiruchirapalli	1	100	Tender called due date on 22.11.23
4	Tirunelveli	1	58	Awaiting for bank NoC. Tender to be called for.
5	Karur	1	18.45	DPR under appraisal.
6	Mannargudi	1	10.05	DPR under appraisal.
7	Arupukottai	1	13.24	DPR under appraisal.
8	Maraimalai Nagar	2	15.92	DPR under appraisal.
9	Chengalpattu	1	11.35	DPR under appraisal.
10	Palani	1	12.88	DPR under appraisal.
11	Poonamala, Thiruverkadu & Mangadu	1	80.91	DPR under appraisal.

12	Cuddalore	1	12.59	DPR under appraisal.
13	Dindigul	2	17.80	DPR under appraisal.
14	Kancheepuram	1	30.00	DPR under appraisal.
15	Thiruvannamalai	1	13.40	DPR under appraisal.
16	Pudukottai	1	10.80	DPR under appraisal.
17	Namakkal	1	11.23	DPR under appraisal.
18	Dharmapuri	1	5.21	DPR under appraisal.
	Total	21	464.43	

III. Reuse of Treated Water:

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

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

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

9	Karur	7.00	Agricultural use
10	Arakkonam	7.00	MRF Industrial use

FSTPs – Progress updates 30-11-2023

No	Status	Name of the ULBs	Capacity in KLD	% of physical progress	Probable date of completion
1	Completed & trial run ongoing	Kangeyam	20	100%	
2		Kovilpatti	40	100%	
3		Tirumangalam	40	100%	
4		Dharapuram	30	100%	
5		Sengottai	20	100%	
6		Thuraiyur	20	100%	
7		Edappadi	30	100%	
8		Vickramasingapuram	30	100%	
9		Kadayanallur	40	100%	
10		Pattukottai	30	100%	
11		Tiruchengode	40	100%	
12		Melur	20	100%	
13		Ambasamudiram	30	100%	
14		Mannargudi	30	100%	
15		Aruppukottai	40	100%	
16		Sankarankoil	30	100%	
17		Tenkasi	40	100%	
18		Srivilliputhur	30	100%	
19		Gudiyattam	30	100%	
20		Vandavasi	20	100%	
21		Paramakudi	40	100%	
22		Koothanallur	20	100%	
23		Thiruthuraipoondi	10	100%	
24		Puliyangudi	40	100%	
25		Cumbum	40	100%	
26		Kulithalai	20	100%	
27		Attur	40	100%	
28		Sirkazhi	20	100%	
29		Vedaranyam	20	100%	
30		Jayamkondan	20	100%	
31	0% to 95%	Padmanabhapuram	20	75%	Tender Cancelled & retender to be called
32		Aranthangi	20	97%	Oct-23
33		Coonoor	10	99%	Oct-23
34		Virudhachalam	40	99%	Oct-23
35		Gudalur	20	95%	Oct-23

No	Status	Name of the ULBs	Capacity in KLD	% of physical progress	Probable date of completion
36	0% to 95%	Chengalpattu	20	97%	Oct-23
37		Walajapet	30	32%	Tender Cancelled & retender to be called
38		Kuzhithurai	40	90%	Oct-23
39		Keelakarai	20	86%	Oct-23
40		Sivakasi	40	58%	Nov-23
41		Vaniyambadi	30	62%	Nov-23



DDLABS AEL <tnpcbprs@gmail.com>

DMA SWM Details -PRS MPR- November 2023

1 message

Swachh Bharat Mission <sbmpmucma@gmail.com>

Thu, Dec 14, 2023 at 6:14 PM

To: DDLABS AEL <tnpcbprs@gmail.com>

Cc: dma office <dmaoffice@gmail.com>

Dear Sir/Madam,

Please find attached Polluted River Stretch MPR format for the month of November 2023.

Thanks & Regards

Project Management Unit

Office of State Mission Director

Swachh Bharat Mission (U) 2.0

Directorate of Municipal Administration

Chennai -28

5 attachments**1.SWM Revised MPR Format for 158 ULBs.docx**

21K

**2. SWM-LWM MPR-excell sheet.xlsx**

16K

**3. Gap anaylsis JS -Mail.xlsx**

29K

**CMA ULBs-SWM Existing Facilites.xlsx**

46K

**PRS ULBs -SWM Existing Facilites.xlsx**

15K

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

For the State of Tamil Nadu

I. Solid Waste Management: (For Polluted River Stretches ULBs)

- Total number of Urban Local Bodies and their Population: **158 ULBs & Population - 1,98,84,343**
- Current Municipal Solid Waste Generation: **7518 TPD & 1314 TPD**
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bimethanation, MRF etc : **Enclosed**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) Nil
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) : **6 ULBs and 375 TPD**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : **Enclosed**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) : **Enclosed**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills. **Nil**
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers- 1 no.(Erode) & 19 acres – **Biomining Work completed**
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers – Nil.

NMCG Format for Submission of Monthly Progress Report in the NGT Matter OA No.673 of 2018							
(in compliance to NGT order dated 24.09.2020)							
	For the Month of November 2023 -Department	CMA					
V	Solid Waste Management:						
		Tamil Nadu State			Polluted River Stretches		
1	Total number of Urban Local Bodies and their Population	158 ULBs / 1,98,84,343			21 ULBs / 31,09,821		
2	Current Municipal Solid Waste Generation TPD	7518 TPD			1679 TPD		
3	Existing MSW processing facilities	Total No.	Installed Capacity (TPD)	Utilization Capacity (TPD)	Total No.	Installed Capacity (TPD)	Utilization Capacity (TPD)
a.	Windrow Compost	66	209	162	6	19	16
b.	Vermi Compost	27	115	90	4	5	3
c.	Decentralized composting	812	3106	3022	185	670	645
d.	Biomethanation	47	189	140	13	53	48
e.	MRF/RRC	279	1203	1203	32	136	136
f.	others	891	450	355	138	59	56
g.	Waste to Energy						
h.	Dry waste disposed to local vendors and Cement industries		1320	840		425	268
	Total	2122	6592	5812	378	1367	1172
4	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)						
5	No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Existing (No. & capacity)	Proposed (No. & Capacity)	Under construction (No. & Capacity)	Existing (No. & Capacity)	Proposed (No. & Capacity)	Under construction (No. & Capacity)
		-	6 Nos & 375 TPD	-	-	1 No & 50 TPD	-
6	Total no. of wards	5178			717		
	Total no. of wards having door to door collection service	5004			696		
	Total no. of wards practicing segregation at source	4371			633		
7a.	Details of MSW treatment facilities proposed (no.)	18 Nos			6 Nos		
	Details of MSW treatment facilities proposed (capacity, TPD)	2230 TPD			645 TPD		
	Details of MSW treatment facilities proposed (technology)	Incineration for Dry waste and MCC for Wet waste			Incineration for Dry waste and MCC for Wet waste		
7b.	Details of MSW treatment facilities under construction (no.)	122 Nos			31 Nos		
	Details of MSW treatment facilities under construction (capacity, TPD)	892 TPD			273 TPD		
	Details of MSW treatment facilities under construction (technology)	Micro Composting Centre, Incineration and RRC and Onsite composting Centres			Micro Composting Centre, Incineration and RRC and Onsite composting Centres		
8	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Nil			Nil		
9	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	Nil			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	-			-		

V	Solid Waste Management:		
		Tamil Nadu State	Polluted River Stretches
	Status of ULB wise SWM		
	ULB		
	Total MSW generated in TPD		
	Total MSW processed in TPD		
	Existing MSW facilities		
	Utilization capacity of the existing MSW facilities		
	Proposed MSW Facilities & Completion Timeline		
	Status of ULB/RLB wise SWM		
	ULB/RLB (No.),		
	Total MSW generated in TPD		
	Total MSW processed in TPD		
	Existing MSW facilities		
	Utilization capacity of the existing MSW facilities		
	Proposed MSW Facilities & Completion Timeline		
VIII	<u>Plastic Waste Management:</u>		
1	Total Plastic Waste generation:TPD	514	103
2	Treatment/ Measures adopted for reduction or management of plastic waste:	All the ULBs are enforcing Source segregation of waste through IEC activities by animators and the saleable fraction of plastic waste is sold to recyclers and remuneration is paid back to sanitary workers. Apart from that a total quantity of 1638.17 MT of single use plastics had been seized and a penalty of Rs.9.02 crores has been collected. The seized plastics are stored at Resource Recovery Centres (RRC) and disposed to Cement industries.	All the ULBs are enforcing Source segregation of waste through IEC activities by animators and the saleable fraction of plastic waste is sold to recyclers and remuneration is paid back to sanitary workers. Apart from that a total quantity of 267.97 MT of single use plastics had been seized and a penalty of Rs.2.09 crores has been collected. The seized plastics are stored at Resource Recovery Centres (RRC) and disposed to Cement industries.



DDLABS AEL <tnpcbprs@gmail.com>

CMWSSB - MPR - November 2023 - reg

1 message

Jaishankar M R <metrowaterjai@gmail.com>
To: DDLABS AEL <tnpcbprs@gmail.com>

Tue, Dec 12, 2023 at 4:28 PM

PFA the MPR for Nov 23



CMWSSB MPR Format - Nov 2023.doc
115K

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

For the State of Tamil Nadu (Chennai City) in November 2023

Overall status of the State:

- I. Total Population: 74.38 Lakhs
- II. Estimated Sewage Generation (MLD): 680 (Max)

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)	1082.80	
2	Capacity Utilization of existing STPs (in ML)	19281.60 (Avg – 642.72 MLD)	
3	MLD of sewage being treated through Alternate technology	-	
4	Gap in Treatment Capacity in MLD	Nil	
5	No. of Operational STPs	22	
6	No. of Complying STPs	22	
7	No. of Non-complying STPs	Nil	

Details of each existing STP in the State & PRS – November 2023

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Nesapakkam STP Zone - IV	23	8.92	Operational	Complied <u>Parameters Range</u> pH – 6.5 to 8.5 BOD - < 20 mg/l COD – ≤ 250 mg/l TSS - < 30 mg/l Faecal Coliform – 10000MPN/100 ml
2	Koyambedu STP Zone - III	34	30.31	Operational	
3	Kodungaiyur STP Zone II	80	0	Non-Operational	
4	Kodungaiyur STP Zone I	80	0	Non-Operational	
5	Perungudi STP Zone - V	12	11.94	Operational	
6	Koyambedu STP Zone – III	60	51.13	Operational	
7	Kodungaiyur STP Zone I & II	110	0	Under Rehab	
8	Nesapakkam STP Zone-IV	40	18.41	Operational	
9	Perungudi STP Zone - V	54	53.99	Operational	

10	Perungudi STP Zone – V	60	59.95	Operational	
11	Nesapakkam STP Zone - IV	54	41.99	Operational	
12	Koyambedu STP Zone – III	120	60.37	Operational	
13	Sholinganallur STP (phase I)	18	17.96	Operational	
14	Thiruvottriyur STP	31	5.81	Operational	
15	Kodungaiyur STP Zone – II New	120	118.20	Operational	
16	Nesapakkam TTUF	10	8.00	Operational	
17	CRRT - Chetpet MSTP	1.0	0.03	Operational	
18	CRRT- Nungambakkam MSTP	1.2	0.63	Operational	
19	CRRT - Todd Hunter Nagar MSTP	4	0.72	Operational	
20	CRRT -Kotturpuram MSTP	0.6	0.59	Operational	
21	Kodungaiyur STP Zone - I	120	115.50	Operational	
22	Nesapakkam STP Zone - IV	50	38.27	Operational	
Total		1082.80	642.72		

Details of under construction STPs in the State& PRS

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Sholinganallur STP (phase II)	54	94.25		April 2024 (36+18) 18MLD trial run under progress
2	Perungudi STP Zone - V	60	84.37		January 2024
3	Perungudi TTUF	10	89.50		March 2024
4	CRRT- Langs Garden MSTP	10	94.00		Trial run under progress December 2023
Total		134			

Details of proposed STPs in the State & PRS

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

Details of proposed STPs in the State

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

IV. Details of Industrial Pollution:

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

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

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population
- Current Municipal Solid Waste Generation (**State & PRS**)

- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing e.g.- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc **(State & PRS)**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) **(State & PRS)**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) **(State & PRS)**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source **(State & PRS)**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) **(State & PRS)**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Total					

VI. Bio-medical Waste Management:

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

VII. Hazardous Waste Management:

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

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

VIII. Plastic Waste Management:

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

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

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

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

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

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

XIV. Ground water regulation:

XV. Good irrigation practices being adopted by the State:

XVI. Rain Water Harvesting:

XVII. Demarcation of Floodplain and removal of illegal encroachments:

XVIII. Maintaining minimum e-flow of river:

XIX. Plantation activities along the rivers:

XX. Development of biodiversity park:

XXI. Reuse of Treated Water:

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

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

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

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



DDLABS AEL <tnpcbprs@gmail.com>

GCC- SWM - NGT 673 - Nov 2023

1 message

Solid Waste Corp Chennai GCC <solidwastecorp7@gmail.com>
To: tnpbprs@gmail.com

Sat, Dec 16, 2023 at 4:42 PM

Sir/ Madam,

Kindly find the attached file NGT 673 Nov 2023

 **NGT 673 Nov 2023.pdf**
5640K

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

(in compliance to NGT order dated 24.09.2020)

For the Month of November 2023 - Prepared By Greater Chennai Corporation

Solid Waste Management

		Tamil Nadu State			
1	Total number of Urban Local Bodies and their Population	89 LAKHS			
2	Current Municipal Solid Waste Generation TPD	6452			
3	Existing MSW processing facilities	Total No.	Installed Capacity (TPD)	Utilization Capacity (TPD)	Remarks
a.	Windrow Compost	2	100	100	
b.	Vermi Compost	0	0	0	
c.	Decentralized pit composting	206	581	431	
d.	Biomethanation	6	21	22	
e.	MRF/RRC	190	468	361	
f.	Others: (Breakup) Incinerators - 3 No (65 MTD) Gardengarbage & Tender coconut shell processing plant - 4 locations (320 MTD) Offtake of baled plastic to cement factories (300 MTD)	8	685	163	
g.	Waste to Energy 1. Bio-gas	34	13	13	
	2. Bio-CNG	2	200	167.5	
	Total	448	2068	1258	
4	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	Continuous awarness 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	2 no (400 each)	800	501	
6	Total no. of wards	200			
7	Total no. of wards having door to door collection service	200			
8	Total no. of wards practicing segregation at source	200			
9	Details of MSW treatment facilities proposed (no.)	-			
10	Details of MSW treatment facilities proposed (capacity,TPD)	Bio-CNG 2 nos -550 TPD KDG & 500 TPD PDG Compost 2 nos - 800 TPD KDG & 500 TPD PDG MRF (Automatic) - 2nos 1200 TPD KDG and 1200 TPD at PDG Waste to Engery - 1 No 1400 TPD at KDG Sanitary Landfill - 550 TPD at KDG			
11	Details of MSW treatment facilities proposed (technology)	-			
12	Details of MSW treatment facilities under construction (no.)	6			
13	Details of MSW treatment facilities under construction (capacity, TPD)	520			
14	Details of MSW treatment facilities under construction (technology)	Bio CNG, and Pyrolysis Plant			
15	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	5nos / 539.78 acres			

Bio-CNG 5nos -100 TPD each under construction
Pyrolysis 1no -20 TPD completed. Trial run completed

16	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	Nil	
17	No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	272 (Storm water drains falling into rivers)	
Status of ULB wise SWM			
	ULB	Greater Chennai Corporation (GCC)	
	Total MSW generated in TPD	6452	
	Total MSW processed in TPD	1258	
	Existing MSW facilities	MCC, Bio CNG, Bio Gas, Biomethanation, Windrow Compost, Horticulture Waste process, RRC MRF, Incinerator, Off take, Baling machines	
	Utilization capacity of the existing MSW facilities	1258	
	Proposed MSW Facilities & Completion Timeline		
Status of ULB/RLB wise SWM			
	ULB/RLB (No.),	Tamil Nadu State	
	Total MSW generated in TPD		
	Total MSW processed in TPD		
	Existing MSW facilities		
	Utilization capacity of the existing MSW facilities		
	Proposed MSW Facilities & Completion Timeline		
Plastic Waste Management:			
1	Total Plastic Waste generation: TPD		
2	Treatment/ Measures adopted for reduction or management of plastic waste:	RRC, MRF, Incinerator, Pyrolysis Plant, Offtake, Baling machines	
	Regulation of /Mining Activities in the State/UT		


 16.12.2023
 EXECUTIVE ENGINEER (SWM)

M. P. S.
 16/12/23

Details of Garbage Collection and Processing in Zone 1 to 15 NOVEMBER 2023 - AVG																							
S.No	Zone	Wet waste processing in MT						Dry waste processing in MT					Qty of collected Domestic Hazardous Waste in MT	Qty of collected Domestic Sanitary Waste in MT	Horticulture waste processing in MT			Landfill Garbage (MT)		Total waste collected (MT)	Debris Landfill (MT)	Debris processing (MT)	TOTAL DEBRIS (MT)
		MCC	Windrow	Bio Gas	Bio Methanation	Bio - CNG	Total	Incinerator	RRC/MRF	Baling Machine	Sold by Conservancy Workers	Total			Garden waste	Tender Coconut		Trips	MT				
1	1	28.6	12.96	0	0	9.07	50.62	3.18	39.74	2.73	4.03	49.68	0	0	2.81	1.65	0	7	53.58	160.71	0.93	0	0.93
2	2	11.29	10.65	0	0	1.84	23.79	14.19	10.17	1.7	2.44	28.49	0.02	0.67	0.84	0.73	0	1	9.06	64.22	0.01	0	0.01
3	3	1.28	13.01	0	0	10.41	24.7	2.2	16.47	2.23	18.57	39.46	0	0	2.5	0.9	0	6	41.6	109.96	4.23	0	4.23
4	4	32.34	16.81	0.46	0	22.99	72.6	5.52	31.85	6.35	29.62	73.33	0	0	6.61	1.25	0	105	445.37	599.77	29.55	60.49	90.04
5	5	60.42	3.89	5.59	4.55	15.62	90.06	0.38	35.64	0.55	33.04	69.62	0	0	2.48	0.65	0	71	561.27	724.52	28.2	58.93	87.13
6	6	24.95	0.13	0.99	10.17	4.88	41.11	0.86	25.04	0.82	23.98	50.69	0	0	2.7	0.84	0	40	431.94	528.15	13.66	50.25	63.91
7	7	45.03	2.3	4.34	0	1.83	53.49	0.64	45.02	0.69	32.9	79.24	0	0	4.52	3.38	0	66	362.96	504.41	3.8	0	3.8
8	8	53.52	0	0.01	6	2.31	61.85	0.3	41.11	0.01	27.14	68.56	0	0	3.53	2.17	0	40	494.4	630.87	4.69	73.58	78.27
9	9	18.71	0	0.21	0	13.05	31.97	1.03	22.48	1.72	17.98	43.22	0	0	6.91	4.11	0	67	562.36	649.48	7.34	97	104.34
10	10	19.38	0	0.41	0.92	8.73	29.44	1.6	8.09	2.31	7.16	19.16	0	0.82	3.45	1.79	0	65	539.74	595.17	35.45	72.89	108.34
11	11	13.24	0	0	0	0	13.24	1.06	10.61	3.06	5.37	20.1	0	0	5.71	4.11	0	26	242.19	286.87	7.5	0	7.5
12	12	28.26	0	0.97	0.25	8.7	38.18	1.6	11.57	2.83	2.85	18.85	0	0	3.95	2.56	0	18	163.28	228.09	13.85	0	13.85
13	13	25.03	0	0	0	6.24	31.27	0.98	20.25	2.26	5.77	29.25	0	0	10.59	2.11	0	58	496.17	570.64	23.59	72.06	95.64
14	14	41.76	0	0	0	0	41.76	0.72	30.07	1.88	2.09	34.76	0.1	0.43	2.75	4	0	32	221.37	306.32	10.43	0	10.43
15	15	27.69	0	0	0	0	27.69	1.41	12.78	2.36	1.66	18.2	0.41	0.18	3.44	3.1	0	21	189.56	243.49	1.37	0	1.37
Pollu care		0	0	0	0	43.66	43.66	0	0	0	0	0	0	0	0	0	0	0	0	43.66	0	0	0
Koyambedu		0	0	0	0	18.2	18.2	0	0	0	0	0	0	0	0	0	0	10	187.32	205.52	6.68	15.79	22.47
TOTAL		431.48	59.73	12.99	21.89	167.54	693.63	35.67	360.86	31.49	214.6	642.62	0.52	2.1	62.81	33.36		632	5002.15	6451.84	191.27	501	692.27

GREATER CHENNAI CORPORATION DUMPSITE DETAILS AS ON 30.11.2023

S.NO	State	ULB/City	ULB Code	Ward Number	Dumpsite Id	Dumpsite Name	Address	latitude	longitude	Status	Dumpsite Area (Acres)	Project cost (Rs in crore)	Waste Quantity (cu.m)	Quantity Remediated (cu.m)	% Remediated
1	TAMIL NADU	CHENNAI	803339	37	6583	Kodungaiyur dumpsite	Zone 4 Kodungaiyur	13.13	80.27	Tender opened on 11.08.2023 Tenders received, Technical Evaluation under progress	269	640.83	73,91,672.98	-	-
2				186	6584	Perungudi dumpsite	Zone 14 Perungudi	12.95	80.23	On-Going	225	350.65	30,61,585	23,45,764	76.00
3				25	6351	Athipattu	Zone 3 Athipattu	13.10	80.15	On-Going	12	7.54	1,07,811	1,05,814	98.00
4				183	6352	Pallikaranai	Zone 14 Pallikaranai	12.96	80.21	Completed	15	2.48	40,853	40,853	100.00
5				7	6353	Sathankadu	Zone 1 Sathankadu	13.16	80.29	On-Going	18.78	9.98	1,25,635	1,23,385	98.00

P.R.h.
16.12.2023
Executive Engineer (SWM)

M. Raju
16/12/23



DDLABS AEL <tnpcbprs@gmail.com>

MPR NOVEMBER 2023

1 message

Schemes Section <ctpschemes21@gmail.com>

Mon, Dec 18, 2023 at 1:35 PM

To: tnpbprs@gmail.com

--

Sir / Madam,

* Please see the attached file.*

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

[image: logo]

"Go Green. Save Paper" *

Print only if necessary & use both sides of Paper - this will preserve trees on planet earth.

3 attachments**SWM-LWM November.xlsx**
20K**Gap Anaylsis November.xlsx**
40K**MPR November.docx**
40K

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

For the Month of : November 2023, Prepared By DTP

S.NO.	Details	TN State	PRS
I	Total Population:	7665951	443964
II	Estimated Sewage Generation (MLD)	429.29 MLD	24.86 MLD
III	Details of Sewage Treatment Plant:		
1a.	Existing no. of STPs/FSTP if any	17 (11 STP / 6 FSTP)	-
1b	Treatment Capacity (in MLD)	30.25 MLD / 0.119 MLD	-
2	Capacity Utilization of existing STPs (MLD)	16.144 MLD	-
3	MLD of sewage being treated through Alternate Technology	3 MLD	-
4	Gap in Treatment Capacity in MLD	395.921 MLD	21.28 MLD
5	No. of Operational STPs/FSTPs	11 + 6	-
6	No. of Complying STPs/FSTPs	11 + 6	-
7	No. of Non-complying STPs	-	-
IV	Details of Under construction Sewage Treatment Plant:		
1	STP -Number	2	6
2	STP Capacity (MLD)	12.52	9.32
3	FSTP -Number	4	-
4	FSTP -capacity (MLD)	0.05	-
5	Status of I&D or House sewer connections	10174/10479	-
	Details of Proposed STP	TN State	PRS
1	STP/FSTP Number	-	-
2	STP/FSTP Capacity	-	-
3	No. of STPs under DPR	-	-
4	No. of DPRs approved for construction of STPs	-	-
5	No. of STPs under tender stage for construction	-	-
6	No. of tenders awarded for STP construction	-	-
7	No. of STPs completed	-	-
8	No. of constuction of STPs held up due to land issues	-	-
9	No. of land issues resolved	-	-

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

For the Month of November 2023 - Prepared By DTP _CMA/GCC/DTP/RD&PR

V	Solid Waste Management:						
1	Total number of Urban Local Bodies and their Population	Tamil Nadu State			Polluted River Stretches		
2	Current Municipal Solid Waste Generation TPD	1805 TPD			107.80 TPD		
3	Existing MSW processing facilities	Total No.	Installed Capacity (TPD)	Utilization Capacity (TPD)	Total No.	Installed Capacity (TPD)	Utilization Capacity (TPD)
a.	Windrow Compost	673	801	801	39	77	77
b.	Vermi Compost						
c.	Decentralized pit composting	39	111	111	4	7	7
d.	Biomethanation	18	37	37	1	10	10
e.	MRF/RRC	489	499	499	27	36	36
f.	others						
g.	Waste to Energy						
4	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities	Waste to energy plants are to be proposed on cluster basis			Waste to energy plants are to be proposed on cluster basis		
5	No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Existing (No. &	Proposed (No. &	Under constructi	Existing (No. &	Proposed (No. &	Under constructi
6	Total no. of wards	7621			465		
	Total no. of wards having door to door collection service	7314			465		
	Total no. of wards practicing segregation at source	6857			418		
7a.	Details of MSW treatment facilities proposed (no.)	Tamil Nadu State (20)			Polluted River Stretches (0)		
	Details of MSW treatment facilities proposed (capacity, TPD)	-			-		
	Details of MSW treatment facilities proposed (technology)	-			-		
7b.	Details of MSW treatment facilities under construction (no.)	Incinerator - 6 nos / Pyrolysis - 9 nos			-		
	Details of MSW treatment facilities under construction (capacity, TPD)	Incinerators - (30 TPD) / Pyrolysis - (0.9 TPD)			-		
	Details of MSW treatment facilities under construction (technology)	Incineration & Pyrolysis			-		
8	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	-			-		
9	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	-			-		
10	No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	-			-		
	Status of ULB wise SWM						
	ULB	490			27		
	Total MSW generated in TPD	1805			107.8		
	Total MSW processed in TPD	1570.35			93.78		

	Existing MSW facilities	Windrow compost, Vermi compost, Decentralized composting, Bio-gas,	Windrow and Vermi Compost
	Utilization capacity of the existing MSW facilities	1570.35 MT	93.78 MT
	Proposed MSW Facilities & Completion Timeline	Waste to energy plants are to be proposed on cluster basis	Waste to energy plants are to be proposed on cluster basis
	Status of RLB wise SWM	Tamil Nadu State	Polluted River Stretches
	RLB (No.),	-	-
	Total MSW generated in TPD	-	-
	Total MSW processed in TPD	-	-
	Existing MSW facilities	-	-
	Utilization capacity of the existing MSW facilities	-	-
	Proposed MSW Facilities & Completion Timeline	-	-

VIII	<u>Plastic Waste Management:</u>		
1	Total Plastic Waste	102 TPD	6.2 TPD
2	Treatment/ Measures adopted for reduction or management of plastic waste:	Recyclable/ Saleable plastics are been sold to authorized vendors Non- saleable plastics are been sent to cement factories and are used as a component for laying roads Waste to energy plants are to be proposed on cluster basis	Recyclable/ Saleable plastics are been sold to authorized vendors Non- saleable plastics are been sent to cement factories and are used as a component for laying roads Waste to energy plants are to be proposed on cluster basis
XXIV	Regulation of /Mining Activities in the State/UT		

National Mission for Clean Ganga
Format for submission of Monthly Progress Report
(November 2023) in the NGT Matter OA No. 673 of 2018
(in compliance to NGT order dated 24.09.2020)

For the State of Tamil Nadu

Overall status of the State:

I. Total Population: 7665951

II. Estimated Sewage Generation (MLD): 429.29 MLD

III. Details of Sewage Treatment Plant:

Sl.No.	Details of Sewage Treatment Plant	State	PRS
1	Existing no. of STPs/FSTPs and Treatment Capacity (in MLD)	11(30.25 MLD)/ 6 (0.119 MLD)	2 (3.58 MLD)
2	Capacity Utilization of existing STP/FSTPs	16.144 MLD	-
3	MLD of sewage being treated through Alternate technology	3 MLD	-
4	Gap in Treatment Capacity in MLD	395.921	21.28
5	No. of Operational STPs/FSTPs	11/6	-
6	No. of Complying STPs/FSTPs	11/6	2
7	No. of Non-complying STPs/FSTPs	-	-

Details of proposed STPs in the State & PRS

Sl. No.	Name of the ULB	STP/FSTPs	STP/FSTPs capacity in MLD/KLD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
1	Sirugamani	-	-	DPR Stage	-	-	PWD	-	DPR is under preparation by WAPCOS/ PWD.
2	Mohanur	-	-	DPR Stage	-	-	PWD	-	"
3	Velur	-	-	DPR Stage	-	-	PWD	-	"
4	Bhavani sagar	-	-	DPR Stage	-	-	PWD	-	"

Sl. No.	Name of the ULB	STP/FSTPs	STP/FSTPs capacity in MLD/KLD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
5	Madathukulam	-	-	DPR Stage	-	-	PWD	-	"
6	Omalur	-	-	DPR Stage	-	-	PWD	-	"
7	Poolampatty	-	-	DPR Stage	-	-	PWD	-	"
8	Kuthalam	-	-	DPR Stage	-	-	PWD	-	"
9	Thirukattupalli	-	-	DPR Stage	-	-	PWD	-	"
10	Thiruvaiyaru	-	-	DPR Stage	-	-	PWD	-	"
11	Pethanaickenpalayam	-	-	Completed	-	-	DTP	-	Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR.DPR submitted on 15.2.2022 byTWIC .DPR under scrutiny
12	Yethapur	-	-	Completed	-	-	DTP	-	"
13	Belur	-	-	Completed	-	-	DTP	-	"
14	Srivaikundam	-	-	Completed	-	-	DTP	-	"
15	Authoor	-	-	Completed	-	-	DTP	-	"
16	Eral	-	-	Completed	-	-	DTP	-	"
17	Alwarthirunagari	-	-	Completed	-	-	DTP	-	"
18	Then Thirupera	-	-	Completed	-	-	DTP	-	"
19	Arumuganeri	-	-	Completed	-	-	DTP	-	"
20	Mukkudal	STP	1.50	Completed	Completed		DTP	-	The SBM 2.0 2 nd State High Powered Committee meeting held on
21	Gopalamudram	STP	1.40	Completed	Completed		DTP	-	
22	Kallidaikurichi	STP	3.09	Completed	Completed		DTP	-	

Sl. No.	Name of the ULB	STP/FSTPs	STP/FSTPs capacity in MLD/KLD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
23	Cheranmahadevi	STP	1.97	Completed	Completed		DTP	Completed	26.02.2022 has approved to establish Decentralised STP and DEWATS method. Administrative sanction issued on 21.03.2022 and works are in various stages
24	Veeravanallur	STP	2.79	Completed	Completed		DTP	-	
25	Patthamadai	STP	1.61	Completed	Completed		DTP	Completed	
26	Mela Seval	STP	0.53	Completed	Completed		DTP	-	
27	Naranammalpuram	STP	0.01	Completed	Completed		DTP	-	

Details of each existing STP in the State & PRS

Sl. No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Mamallapuram	2.34	2.34	Operational	Complied
2	Orathanadu	2.30	1.60	Operational	Complied
3	Palanichettyatti	2.80	2.80	Operational	Complied
4	Thirumazisai	3.00	1.80	Operational	Complied
5	Velankanni	2.33	1.10	Operational	Complied
6	Manachanallur	6.41	1.85	Operational	Complied
	S.Kannanur				
7	Vallam	2.35	2.35	Operational	Complied
8	Perundurai	3.14	0.35	Operational	Complied
9	Melachokanathapuram	2.00	1.90	Operational	Trial Run
10	Cheranmahadevi	1.97	0.00	Operational	Trial Run
11	Patthamadai	1.61	0.00	Operational	Trial Run
		30.25	16.09		

Sl. No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
Septage Management					
1	Karunguzhi	0.024	0.024	Operational	Complied
2	Periyanaikanpalayam	0.030	0.030	Operational	Complied
3	Chengam	0.020	-	Operational	Trial Run
4	Alangayam	0.015	-	Operational	Trial Run
5	Mudukulathur	0.015	-	Operational	Trial Run
6	Jalakandapuram	0.015	-	Operational	Trial Run
TOTAL		0.119	0.054		
		30.369	16.144		

Details of under construction STPs in the State & PRS

Sl. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Sriperumbudur	8.50	97% completed	5695/6000	31.01.2024
2	Thiruporur	4.02	97% Completed	4479/4479	29.02.2024
	Total	12.52		10174/10479	
Septage Management					
1	Pennagaram	0.015	95% completed	-	31.12.2023
2	Kaveripattinam	0.015	95% completed	-	31.12.2023
3	Kurumbalur	0.010	97% completed	-	31.12.2023
4	Pennadam	0.010	100% Civil Works completed	-	31.12.2023
	Total	0.050			

I. Solid Waste Management:

- Total number of Urban Local Bodies and their Population – **State –490 & PRS - 27**
- Current Municipal Solid Waste Generation (**State - 1805 MT & PRS – 107.80 MT**)
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing e.g- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bioMethanation, MRF etc

State	PRS
Total MSW generated - 1805 TPD	Total MSW generated - 107.80 TPD
Total MSW processed - 1573 TPD	Total MSW processed - 93.75 TPD
Gap in processing - 232 TPD	Gap in processing - 14.05 TPD

SN	Description	State			PRS		
		Nos	Installed Capacity MT	Utilization Capacity TPD	Nos	Installed Capacity MT	Utilization Capacity TPD
1	Windrow & Vermi Composting	673	801	801	39	77	77
2	De-Centralised	39	111	111	4	7	7
3	Bio-Gas / Bio-Methanation	18	37	37	1	10	10
4	RRC	489	499	499	27	36	36

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

State & PRS – Waste to energy plants are to be proposed on cluster basis.

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

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

State	PRS
Total no. of wards - 7621 Door to Door collection – 7314 Source segregation – 6857	Total no. of wards - 465 Door to Door collection – 465 Source segregation – 418

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)
 - ✓ **So far 6 Incinerators have been completed, remaining 2 works cancelled.**
 - ✓ **So far 9 Pyrolysis have been completed remaining 1 work has been cancelled.**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers.

Status of ULB wise Management of Solid Waste

STATE

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	Plant Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
490	1805	1573	1.windrow & Vermi compost	801 TPD	Waste to energy plants are to be proposed on cluster basis
			2.Decentralized composting	111 TPD	
			3. Biogas	37 TPD	
			4.Incinerator	30 TPD	
			5.Pyrolysis	0.9 TPD	

PRS

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	Plant Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
29	107.80	93.75	1.windrow & Vermi Compost 2. De-Centralized composting 3. Biogas	77 MT 7 MT 10 MT	Waste to energy plants are to be proposed on cluster basis

II. Bio-medical Waste Management:

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

III. Hazardous Waste Management:

- Total Hazardous Waste generation (**State & PRS**):
- No. of Industries generating Hazardous waste
- Treatment Capacity of all TSDFs
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated
- Details of on-going or proposed TSDF

IV. Plastic Waste Management:

- Total Plastic Waste generation **State - 102TPD&PRS – 6.2 TPD**
- Treatment/ Measures adopted for reduction or management of plastic waste:

Recyclable/ Saleable plastics are been sold to authorized vendors
Non- saleable plastics are been sent to cement factories and are used as a component for laying roads

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Details of proposed STPs in the State & PRS

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STATE

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PRS

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	Plant Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
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II. Bio-medical Waste Management:

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

III. Hazardous Waste Management:

- Total Hazardous Waste generation (**State & PRS**):
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- Treatment Capacity of all TSDFs
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated
- Details of on-going or proposed TSDF

IV. Plastic Waste Management:

- Total Plastic Waste generation **State - 102TPD&PRS – 6.2 TPD**
- Treatment/ Measures adopted for reduction or management of plastic waste:

Recyclable/ Saleable plastics are been sold to authorized vendors

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

TN ULBs	STP Name		
		Oct-23	Nov-23
	STP		
DTP	Sriperumbudur	97%	97%
	Thiruporur	97%	97%
	FSTP		
DTP	Jalakandapuram	100%	100%
	Pennagaram	95%	95%
	Kaveripattinam	95%	95%
	Kurumbalur	97%	97%
	Pennadam	100%	100%

[illegible]

Liquid Waste Management																																	
TN ULBs	Sewage generation (in MLD)											Installed Treatment Capacity of STPs/FSTPs (in MLD)											Gap in Treatment capacity										
	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
DTP	429.29	429.29	429.29	429.29	429.29	429.29	429.29	429.29	429.29	429.29	429.29	26.67	26.67	26.67	26.67	26.67	26.67	29.77	29.77	29.79	29.79	33.37	402.62	402.62	402.62	402.62	402.62	402.62	399.52	399.52	399.50	399.50	395.92
Liquid Waste Treatment - Capacity Utilisation																																	
TN ULBs	Installed treatment capacity											Capacity utilisation %											Gap in capacity utilisation %										
	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
DTP	26.67	26.67	26.67	26.67	26.67	26.67	29.77	29.77	29.79	29.79	33.37	7.87	7.87	11.22	11.22	12.22	15.37	15.42	15.42	16.14	16.14	16.14	18.80	18.80	15.45	15.45	14.45	11.30	14.35	14.35	13.65	13.65	17.23

Legacy Waste

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimate d (Cu.m)	Legacy waste 100% biomined (Cu.m)	Under process (Balance Waste) (Cu.M)									
					Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
1	18-19	Madukkur	6506	6506	-	-	-	-	-	-	-	-	-	-
2	18-19	Chinnalapatti (1)	5964	5964	-	-	-	-	-	-	-	-	-	-
3	21-22	Uthamapalayam (2)	8500	8500	-	-	-	-	-	-	-	-	-	-
4	21-22	Thiruppananthai	2257	2257	-	-	-	-	-	-	-	-	-	-
5	18-19	Annur	9893	9893	-	-	-	-	-	-	-	-	-	-
6	19-20	Sulur	5300	5300	-	-	-	-	-	-	-	-	-	-
7	21-22	Vasudevanallur	5472	5472	-	-	-	-	-	-	-	-	-	-
8	19-20	Perundurai (2)	19790	19790	-	-	-	-	-	-	-	-	-	-
9	19-20	Kanniyakumari	12113	12113	-	-	-	-	-	-	-	-	-	-
10	19-20	Karumandi Chellipalaya	16088	16088	-	-	-	-	-	-	-	-	-	-
11	18-19	Anaimalai (1)	7116	7115	-	-	-	-	-	-	-	-	-	-
12	19-20	Thirumazhisai	2265	2265	-	-	-	-	-	-	-	-	-	-
13	19-20	Thammampatty	5918	5918	-	-	-	-	-	-	-	-	-	-
14	19-20	Palamedu	1574	1574	-	-	-	-	-	-	-	-	-	-
15	19-20	Polur	16140	16140	-	-	-	-	-	-	-	-	-	-
16	19-20	Chinnalapatti (2)	3511	3511	-	-	-	-	-	-	-	-	-	-
17	19-20	Alanganallur	3186	3186	-	-	-	-	-	-	-	-	-	-
18	19-20	Kaliyakkavilai	1535	1535	-	-	-	-	-	-	-	-	-	-
19	19-20	Ammapettai	9993	9993	-	-	-	-	-	-	-	-	-	-
20	18-19	Jalakandapuram	6036	6036	-	-	-	-	-	-	-	-	-	-
21	18-19	Denkanikottai	14855	14855	-	-	-	-	-	-	-	-	-	-
22	18-19	Kaveripattinam (1)	10856	10856	-	-	-	-	-	-	-	-	-	-
23	18-19	Velur	4973	4973	-	-	-	-	-	-	-	-	-	-
24	18-19	Perundurai (1)	14000	14000	-	-	-	-	-	-	-	-	-	-
25	18-19	Marakkanam	18186	18186	-	-	-	-	-	-	-	-	-	-
26	18-19	Velankkani (1)	26082	26082	-	-	-	-	-	-	-	-	-	-
27	18-19	Manachanallur	16983	16983	-	-	-	-	-	-	-	-	-	-
28	18-19	Thenkarai	6549	6549	-	-	-	-	-	-	-	-	-	-
29	18-19	Uthamapalayam (1)	6877	6877	-	-	-	-	-	-	-	-	-	-
30	18-19	Naravarikuppam (1)	5208	5208	-	-	-	-	-	-	-	-	-	-
31	18-19	Gingee	13800	13800	-	-	-	-	-	-	-	-	-	-
32	19-20	Swamimalai	11251	11251	-	-	-	-	-	-	-	-	-	-
33	18-19	Thiruvaiyaru	17500	17500	-	-	-	-	-	-	-	-	-	-
34	21-22	Lakkampatti	7925	7925	7450	7450	-	-	-	-	-	-	-	-

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimate d (Cu.m)	Legacy waste 100% biominced	Under process (Balance Waste) (Cu.M)									
35	21-22	Arumuganeri	18000	18000	16900	16900	900	-	-	-	-	-	-	-
36	21-22	Kuthalam	6362	6362	4453	4453	117	-	-	-	-	-	-	-
37	19-20	Harur	11181	11181	10681	10681	171	-	-	-	-	-	-	-
38	19-20	Periyanaickenpalayam	11587	11587	10950	7200	3550	-	-	-	-	-	-	-
39	21-22	Chengam	5175	5175	3100	3100	575	575	-	-	-	-	-	-
40	21-22	Madathukulam	7828	7828	6500	6500	1328	1328	-	-	-	-	-	-
41	22-23	Thirupuvanam (Tnj)	2806	2806	800	800	800	800	800	-	-	-	-	-
42	22-23 (A)	Keeramanagalam	1940	1940	1940	1940	1940	1940	1940	-	-	-	-	-
43	22-23 (A)	Kaliyakkavilai	1535	1535	2006	2006	2006	1831	1831	-	-	-	-	-
44	22-23 (A)	Veerakkalpudur	1423	1423	6096	6096	5000	3250	1500	-	-	-	-	-
45	19-20	Suleswaranpatti (1)	10883	10883	5733	5733	5733	4423	4423	1547	-	-	-	-
46	19-20	Omalur	3489	3489	2158	2158	2158	2158	2158	349	-	-	-	-
47	18-19	Omalur	4600	4600	1452	1452	1452	1452	1452	460	-	-	-	-
48	21-22	Thirukattupalli	13585	13585	9238	9238	4347	4259	2038	1930	-	-	-	-
49	21-22	Anaimalai (2)	7686	7686	5500	5500	2186	1536	786	186	-	-	-	-
50	21-22	Suleswaranpatti (2)	4944	4944	3985	3985	694	248	224	224	-	-	-	-
51	21-22	Orathanadu	6240	6240	3432	3432	2225	1530	936	312	-	-	-	-
52	22-23	Podhaturpet	9595	9595	4795	4795	4795	3595	2195	1395	1395	1395	-	-
53	22-23	Chinnasalem	4520	4520	420	420	420	420	420	420	420	420	-	-
54	22-23	Aduthurai	3017	5788	5788	5788	4988	4988	4588	3211	3211	3211	-	-
55	19-20	Avinasi	7583		5150	5150	2433	2433	2433	2433	783	783	783	783
56	18-19	Vazhapadi	6134		4234	4234	4234	4234	4234	4234	4234	4234	2184	2184
57	19-20	Kunathur	8168		7050	7050	1118	1118	1118	819	819	819	818	818
58	19-20	Anthiyur	14810		12500	12500	2310	2310	2310	2310	2310	2310	2310	2310
59	19-20	P.Velur	10474		4974	4974	4974	4924	4924	4924	4924	4924	4924	4924
60	19-20	Batlagundu (1)	17271		2009	2009	2009	2009	2009	2009	2009	2009	2009	2009
61	18-19	Thammampatti	5782		5782	5782	5782	5782	5782	5782	5782	5782	5782	5782
62	21-22	Thisayanvilai	35966		10200	10200	10200	10200	10200	10200	10200	10200	10166	10166
63	21-22	Ayyampettai	9970		6979	6979	2975	2975	2274	1974	974	974	65	65
64	21-22	Alangulam	16874		3924	3924	3924	3924	3924	3924	3924	3924	3924	3924
65	21-22	Kanjikovil	5089		3680	3680	1669	1439	1139	1139	1139	1139	820	820
66	21-22	Chithode	5080		2740	2740	2440	2331	2331	2331	2331	2331	2331	2331
67	21-22	Namagiripettai	9356		6256	6256	6256	6256	6256	5456	5456	5456	5456	5456
68	21-22	Ilayangudi	5534		2934	2934	2934	2934	2854	2854	2334	2334	1434	1434
69	21-22	Mallasamudram	5737		3637	3637	3637	3537	3537	2937	2937	2937	2837	2837
70	21-22	Velankanni (2)	7156		5506	5506	5506	5506	4456	3856	3156	3156	756	756

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimate d (Cu.m)	Legacy waste 100% biomined	Under process (Balance Waste) (Cu.M)									
71	21-22	Kattuputhur	5590		1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
72	21-22	Muthupettai	6505		300	300	300	300	300	300	300	300	300	300
73	22-23	Palani Chettipatti	17566		2009	2009	2009	2009	2009	2009	2009	2009	2009	2009
74	22-23	Puliyur	8716		5921	5921	5921	5921	5091	4266	4266	4266	866	866
75	22-23	Kutchanur	3028		3028	3028	3028	3028	3028	3028	3028	3028	3028	3028
76	22-23	Kattumannarkoil	4472		4472	4472	4472	4472	4472	4472	4472	4472	4472	4472
77	22-23	Nangavalli	4507		4500	4500	4500	4500	4500	4500	4500	4500	4300	4300
78	22-23	Thiyagadurgam	4720		4720	4720	4720	4720	4720	4720	4720	4720	4720	4720
79	22-23	Uthukottai	5775		5775	5775	5275	5175	5075	3175	3175	3175	2275	2275
80	22-23	Kaveripattinam (2)	5188		5188	5188	5188	5188	5188	5188	5188	5188	5188	5188
81	22-23	Kadathur	5050		5050	5050	5050	5050	5050	5050	5050	5050	5050	5050
82	22-23	Naravarikuppam (2)	10788		10788	10788	10788	10788	10788	10788	10788	10788	10788	10788
83	22-23	B.Mallapuram	1991		1991	1991	1991	1991	1991	1991	1991	1991	1991	1991
84	22-23	Marandahalli	9740		9740	9740	9740	9740	9740	9740	9740	9740	9740	9740
85	22-23	Pennagaram	3622		3622	3622	3622	3622	3622	3622	3622	3622	3622	3622
86	22-23	Mallur	5747		5747	5747	5747	5747	5747	5347	5347	5347	5347	5347
87	22-23	Batlagundu (2)	8000		8000	8000	8000	8000	8000	6950	6950	6950	6950	6950
88	22-23	Thirupporur	8022		8022	8022	7512	6572	6322	6322	6322	6322	6322	6322
89	22-23	Sarkarsamakulam	8365		8365	8365	8365	8365	8365	8365	8365	8365	8365	8365
90	22-23	Attayampatty	27665		27665	27665	27665	27665	27665	24665	24665	24665	15665	15665
91	22-23	Mecheri	9628		9628	9628	9628	9628	9628	7878	7878	7878	5028	5028
92	22-23	Jalagandapuram	9500		9650	9650	9650	9650	9650	9650	9650	9650	9000	9000
93	22-23	Thirupuvanam (Svg)	3765		3765	3765	3765	3765	3765	3765	3765	3765	3315	3315
94	22-23	Kottur	10398		10398	10398	10398	10398	10398	10398	10398	10398	10398	10398
95	22-23	Uthangarai	10950		10950	10950	10950	10950	10950	10940	10940	10940	10940	10940
96	22-23	Kolathur	12013		12013	12013	12013	12013	12013	10913	10913	10913	7513	7513
97	22-23	Natham	12400		12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
98	22-23	Vedasandur	13212		13212	13212	13212	13212	13212	13212	13212	13212	1212	1212
99	22-23	Andipatti	15337		15337	15337	15337	15337	15337	15337	15337	15337	15337	15337
100	22-23	Tirukalukundram	14313		14313	14313	14313	14313	14313	14313	14313	14313	14313	14313
101	22-23	Palacode	18135		18135	18135	18135	18135	18135	18135	18135	18135	18135	18135
102	22-23 (A)	Srivaikuntam	671		671	671	671	671	671	671	671	671	671	671
103	22-23 (A)	Mukkudal	859		859	859	859	859	859	859	859	859	859	859
104	22-23 (A)	Sundarapandiam	1436		1175	1175	1175	1175	1175	1175	1175	1175	1175	1175
105	22-23 (A)	Sivagiri	1262		1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
106	22-23 (A)	Palamedu (A)	2043		2043	2043	2043	2043	2043	2043	2043	2043	2043	2043

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimate d (Cu.m)	Legacy waste 100% biomined	Under process (Balance Waste) (Cu.M)									
107	22-23 (A)	Alanganallur (A)	1029		1029	1029	1029	1029	1029	1029	1029	1029	1029	1029
108	22-23 (A)	Uppiliapuram	1763		1763	1763	1763	1763	1763	1763	1763	1763	1763	1763
109	22-23 (A)	Sriperumbudur	5467		1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
110	22-23 (A)	Vadipatti	2507		1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
111	22-23 (A)	Chettipalayam	2720		2720	2720	2720	2720	2720	2720	2720	2720	2520	2520
112	22-23 (A)	Punjai Thottakurichi	2214		2214	2214	2214	2214	2214	2214	2214	2214	2214	2214
113	22-23 (A)	Nagojanahalli	1204		1204	1204	1204	1204	1204	1204	1204	1204	1204	1204
114	22-23 (A)	Annavasal	1580		1580	1580	1580	1580	1580	1580	1580	1580	1580	1580
115	22-23 (A)	Watrap	4667		4667	4667	4667	4667	4667	4667	4667	4667	4667	4667
116	22-23 (A)	Pennathur	2194		2194	2194	2194	2194	2194	2194	2194	2194	2194	2194
117	22-23 (A)	Kaveripakkam	2895		2895	2895	2895	2895	2895	2895	2895	2895	2895	2895
118	22-23 (A)	Achirapakkam	3483		3483	3483	3483	3483	3483	3483	3483	3483	3483	3483
119	22-23 (A)	Ananthapuram	3688		3688	3688	3688	3688	3688	3688	3688	3688	3688	3688
120	22-23 (A)	Moolaikaraipatti	2217		2217	2217	2217	2217	2217	2217	2217	2217	2217	2217
121	22-23 (A)	Manalurpettai	2261		2261	2261	2261	2261	2261	2261	2261	2261	2261	2261
122	22-23 (A)	Aravakurichi	3235		3235	3235	3235	3235	3235	3235	3235	3235	3235	3235
123	22-23 (A)	Karimangalam	3293		3293	3293	3293	3293	3293	3293	3293	3293	3293	3293
124	22-23 (A)	Vaithieswarankoil	1922		1922	1922	1922	1922	1922	1922	1922	1922	1922	1922
125	22-23 (A)	Melagaram	4221		4221	4221	4221	4221	4221	4221	4221	4221	4221	4221
126	22-23 (A)	Arani	4349		4349	4349	4349	4349	4349	4349	4349	4349	4349	4349
127	22-23 (A)	Sulur (A)	4341		4341	4341	4341	4341	4341	4341	4341	4341	2041	2041
128	22-23 (A)	Harur (A)	5697		5697	5697	5697	5697	4650	4650	4650	5497	5497	5497
129	22-23 (A)	Pillanallur	5291		5291	5291	5291	5291	3591	3591	3591	2538	2538	2538
130	22-23 (A)	Uthiramerur	5574		5574	5574	5574	5574	5574	5574	5574	2454	2454	2454
131	22-23 (A)	Vennandhur	5876		5876	5876	5876	5876	5876	5876	5876	5876	5876	5876
132	22-23 (A)	Nilakottai	5975		5975	5975	5975	5975	5975	5975	5975	5975	5975	5975
133	22-23 (A)	Keeranur	5994		5994	5994	5994	5994	5994	5994	5994	5994	5994	5994
134	22-23 (A)	Sholavandan	10393		10393	10393	10393	10393	10393	10393	10393	10393	10393	10393
135	22-23 (A)	Kannamangalam	863		863	863	863	863	863	863	863	863	863	863
136	22-23 (A)	Kuringipadi	8298		8298	8298	8298	8298	8298	8298	8298	8298	8298	8298
137	22-23 (A)	Pallipet	8430		8430	8430	8430	8430	8430	8430	8430	8430	8430	8430
138	22-23 (A)	Kalavai	5159		5159	5159	5159	5159	5159	5159	5159	5159	5159	5159
139	22-23 (A)	Uthukuli	5722		5722	5722	5722	5722	5722	5722	5722	5722	5372	5372
140	22-23 (A)	Eruvadi	8901		8901	8901	8901	8901	8901	8901	8901	8901	6786	6786
141	22-23 (A)	Alangudi	9142		9142	9142	9142	9142	9142	9142	9142	9142	9142	9142
142	22-23 (A)	Vadakkuvalliyoor	10160		10160	10160	10160	10160	10160	10160	10160	10160	10160	10160

[illegible]



DDLABS AEL <tnpcbprs@gmail.com>

DMA SWM Details -PRS MPR- November 2023

1 message

Swachh Bharat Mission <sbmpmucma@gmail.com>

Thu, Dec 14, 2023 at 6:14 PM

To: DDLABS AEL <tnpcbprs@gmail.com>

Cc: dma office <dmaoffice@gmail.com>

Dear Sir/Madam,

Please find attached Polluted River Stretch MPR format for the month of November 2023.

Thanks & Regards
Project Management Unit
Office of State Mission Director
Swachh Bharat Mission (U) 2.0
Directorate of Municipal Administration
Chennai -28

5 attachments**1.SWM Revised MPR Format for 158 ULBs.docx**

21K

**2. SWM-LWM MPR-excell sheet.xlsx**

16K

**3. Gap anaylsis JS -Mail.xlsx**

29K

**CMA ULBs-SWM Existing Facilites.xlsx**

46K

**PRS ULBs -SWM Existing Facilites.xlsx**

15K



DDLABS AEL <tnpcbprs@gmail.com>

NGT CASE OA NO. 673-2018 - POLLUTED RIVER STRETCHES - MONTHLY PROGRESS REPORT - NOVEMBER 2023 - Furnished - Regarding

1 message

CE GROUNDWATER <cegwchennai@gmail.com>

Wed, Dec 13, 2023 at 5:19 PM

To: DDLABS AEL <tnpcbprs@gmail.com>, acswrdtn@gmail.com, eicwrdtn <eicwrdtn@gmail.com>

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Sir,
Kindly download the attached file.

for Chief Engineer, SG&SWRDC

6 attachments**MPR for Nov_23-Bhavani river.docx**
22K**MPR for Nov_23- Vasista river.docx**
20K**MPR for Nov_23- Cauvery river.docx**
24K**MONTHLY PROGRESS REPORT FOR FIVE POLLUTED RIVER STRETCHES_NOVEMBER 2023.PDF**
5004K**MPR for Nov_23-Sarabanga river.docx**
22K**MPR for Nov_23-Thirumanimutharu river.docx**
21K

**GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT**

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

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

Lr. No: DD(G)/ OT- /AGC / NGT - 673/2018 / 2022 Dated: 12.12.2023

Sir,

Sub: NGT Case No. 673/2018- Central Monitoring Committee (CMC) - Tamil Nadu Pollution Control Board (TNPCB) - Submission of Monthly Progress Report in the prescribed formats for the month of **November 2023**, for **Five Polluted river stretches**- Submission - Regarding.

Ref: 1. Email received from The Deputy Director, TNPCB dated: 08.12.2023.

The monthly progress reports of the following polluted river stretches are herewith enclosed in the prescribed format for your information and for further action please.

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

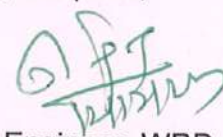
The monthly progress reports for **Pappankulam to Arumuganeri Stretch** in Thamirabarani River will be sent soon on receipt of same from the Chief Engineer, Madurai Region.

Enclosure: Monthly progress reports

(Sd/-) Er. S. Prabakaran, 12.12.23
Chief Engineer (SG & SWRDC).
Tharamani, Chennai -113

Copy presented to the Additional Chief Secretary, to Government, WRD, Fort. St. George, Chennai-9

Copy to Engineer-in-Chief and Chief Engineer (General), WRD, Chepauk, Chennai- 5


for Chief Engineer, WRD,
SG & SWRDC,
Tharamani, Chennai -113.

Format for Submission of Monthly Progress Report by States/ UTs
(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)
For the Month of **November 2023** for TNPWD WRD

XIII. Ground water regulation:

1.	Control of illegal Groundwater Abstraction	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally 683 packaged drinking water firms who were illegally operating have been sealed and closed. • Draft of "Tamil Nadu Water Resources Act" was prepared and sent to Government.
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I. Reach: Sirumugai to Kalingarayan stretch in Bhavani River

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

The general distribution of ground water quality varies between Good to moderate level.

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

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

XV. Good irrigation practices being adopted by the State:

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

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
45	--	--

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Drone Survey has been completed by WAPCOS. 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 Nadanthai Vaazhi Cauvery Project was submitted to NRCD for funding by March 2023.

55 Nos of encroachments belongs to fishing community, proposal for alternate land has already been sent to Secretary to Government, Revenue department by Commissioner for Revenue administration vide letter No F.2 / 41632 / 2005 / Dt.15.2.2006 and proposal is pending.

XVIII. Maintaining minimum e-flow of river:

An E-flow of 38.36 Mcft. (including Irrigation purpose) was maintained in the river Bhavani during the month of November 2023.

XIX. Plantation activities along the rivers:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD for funding by March 2023.

XX. Development of biodiversity park:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD for funding by March 2023.

II. Reach: Sarabanga River Thathayampatti to T.Konagapadi

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

The State Ground and Surface Water Resources Data Centre is having monitoring wells for observation of ground water quality in Danishpet, Omalur, Idaipadi, Thevur and Tharamangalam areas. While considering the Total dissolved solids of this stretch, it is found to vary between 276 mg/L to 946 mg/L. Thevur, Danishpet and Tharamangalam is having TDS of good quality whereas, the Omalur location having TDS value in the moderate quality.

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

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

XIV. Good irrigation practices being adopted by the State:

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

XV. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
5	2	10 Recharge wells

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

Drone Survey has been completed by WAPCOS. 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 Nadanthai Vaazhi Cauvery Project was submitted to NRCD for funding by March 2023. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

XVII. Maintaining minimum e-flow of river:

This river is only a flood carrier. The sewage water enters in to the river in Edapaddi Municipality, Omalur Town Panchayat and Poolampatti Town Panchayat. The above treatment plants are proposed under Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion of sewage treatment plants, as the treated water will flow as environmental flow.

XVIII. Plantation activities along the rivers:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

XIX. Development of biodiversity park:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD for funding by March 2023.

III. Reach: Vasista River Manivilundhan to Thiyaganur

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

The SG&SWRDC is having monitoring wells for observing water quality data for the areas Papanaiickenpatti, Yethapur, Attur and Thalaivasal. The analytical reports of the ground water analysis of these areas reveals that water quality is of the order of both good and moderate. The TDS values of these areas ranging between 365 to 2228 mg/L.

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

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

XIV. Good irrigation practices being adopted by the State:

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

XV. Rain Water Harvesting:

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

XVI. Demarcation of Floodplain and removal of illegal encroachments:

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

XVII. Maintaining minimum e-flow of river:

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

XVIII. Plantation activities along the rivers:

There is no proposal at present.

XIX. Development of biodiversity park:

There is no proposal at present.

IV. Reach: Salem to Papparapatti in Thirumanimutharu River

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

For this stretch the SG& SWRDC having monitoring wells for observation ground water quality in Salem, Attayampatti, and palapatti areas. From the observed data it is inferred that the quality of water is in moderate level i.e in these places TDS value ranges between 255 to 1636 mg/L.

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

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

XIV. Good irrigation practices being adopted by the State:

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

XV. Rain Water Harvesting:

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

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

Drone Survey has been completed by WAPCOS. 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 Nadanthai Vaazhi Cauvery Project was submitted to NRCD for funding by March 2023. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

XVII. Maintaining minimum e-flow of river:

This river is only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion sewage treatment plants, as the treated water will flow as environmental flow.

XVIII. Plantation activities along the rivers:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

XIX. Development of biodiversity park:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

V. Reach: Mettur to Mayiladuthurai stretch in Cauvery River

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

This river stretch comprises districts of Dharmapuri, Erode, Salem, Namakkal, Karur, Trichy, Cuddalore and Thanjavur. The State Ground water Department is having ground water quality data for the areas of Dharmapuri, Mettur, Bhavani, Salem, Paramathivelur, Namakkal, Kumarapalayam, Karur, Erode, Musiri, Trichy, Kulithalai, Thanjavur, Kumbakonam and Mayiladuthurai. While considering the TDS value of Dharmapuri taluk it is found to vary between 382 to 1715 mg/L and the quality of ground water lies Moderate quality. In case of Bhavani river the TDS values ranging between Good to moderate. While reviewing WQ data of Salem, the TDS values found to vary between 254 to 2057 mg/L, the available ground water in Salem is having good, moderate and poor quality with major proportion moderate ground water. The water quality data of Namakkal shows the TDS values range between 353 to 4047 mg/L. The most of the location in Namakkal shows moderate water quality. While reviewing the water quality data of Trichy and Musiri the water quality is found to vary between good and moderate in most of the places with very few places having poor quality. Most of the locations in Cuddalore and Thanjavur are having good quality water. In Cuddalore district TDS values more than 2000 mg/L in Nagapanur, Chidambaram and Tiruvamur villages.

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

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

XIV. Good irrigation practices being adopted by the State:

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

XV. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
44	10	29

XVI. Demarcation of Floodplain and removal of illegal encroachments:

Drone Survey has been completed by WAPCOS. 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 Nadanthai Vaazhi Cauvery Project was submitted to NRCD for funding by March 2023. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

XVII. Maintaining minimum e-flow of river:

Mettur dam is opened for irrigation from June 12th to January 28th based on availability of water every year. It is opened for drinking purpose in the remaining days, during the monsoon period at flood time the maximum flood discharge in the river has been 284606 cusecs on 08.07.1961. Usually a monthly minimum average E flow of 0.10 TMC is maintained. The E flow is maintained for more than 8 months. During the month of November 2023 an E Flow of 0.027 TMC was maintained.

XVIII. Plantation activities along the rivers:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

XIX. Development of biodiversity park:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

V. Reach: Mettur to Mayiladuthurai stretch in Cauvery River

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

This river stretch comprises districts of Dharmapuri, Erode, Salem, Namakkal, Karur, Trichy, Cuddalore and Thanjavur. The State Ground water Department is having ground water quality data for the areas of Dharmapuri, Mettur, Bhavani, Salem, Paramathivelur, Namakkal, Kumarapalayam, Karur, Erode, Musiri, Trichy, Kulithalai, Thanjavur, Kumbakonam and Mayiladuthurai. While considering the TDS value of Dharmapuri taluk it is found to vary between 382 to 1715 mg/L and the quality of ground water lies Moderate quality. In case of Bhavani river the TDS values ranging between Good to moderate. While reviewing WQ data of Salem, the TDS values found to vary between 254 to 2057 mg/L, the available ground water in Salem is having good, moderate and poor quality with major proportion moderate ground water. The water quality data of Namakkal shows the TDS values range between 353 to 4047 mg/L. The most of the location in Namakkal shows moderate water quality. While reviewing the water quality data of Trichy and Musiri the water quality is found to vary between good and moderate in most of the places with very few places having poor quality. Most of the locations in Cuddalore and Thanjavur are having good quality water. In Cuddalore district TDS values more than 2000 mg/L in Nagapanur, Chidambaram and Tiruvamur villages.

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

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

XIV. Good irrigation practices being adopted by the State:

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

XV. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
44	10	29

XVI. Demarcation of Floodplain and removal of illegal encroachments:

Drone Survey has been completed by WAPCOS. 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 Nadanthai Vaazhi Cauvery Project was submitted to NRCD for funding by March 2023. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

XVII. Maintaining minimum e-flow of river:

Mettur dam is opened for irrigation from June 12th to January 28th based on availability of water every year. It is opened for drinking purpose in the remaining days, during the monsoon period at flood time the maximum flood discharge in the river has been 284606 cusecs on 08.07.1961. Usually a monthly minimum average E flow of 0.10 TMC is maintained. The E flow is maintained for more than 8 months. During the month of November **2023** an E Flow of **0.027** TMC was maintained.

XVIII. Plantation activities along the rivers:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

XIX. Development of biodiversity park:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

VI. Reach: Pappankulam to Arumuganeri Stretch in Thamirabarani River

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

In Thamiraparani stretch, this department is having water quality data for Cheranmadevi, Thiruvudaimaruthur, Ambasamudram, Tirunelveli, Palayamkottai, and Ariyanaygipuram. The collected data shows the ground water quality of this stretch is having all three types of good, poor and moderate based on TDS.

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

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

XIV. Ground water regulation:

1.	Control of illegal Groundwater Abstraction	• In Thamirabarani basin area 9 illegally operating firms have been sealed and closed.
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XV. Good irrigation practices being adopted by the State:

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

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
7	4	Barrages 3nos at cost of Rs. 230 Crores.

XVII. Demarcation of Floodplain and removal of illegal encroachments:

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

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

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

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

XVIII. Maintaining minimum e-flow of river:

An average of **1097.06**cusecs of water is released into the river in the month of **November2023**to ensure minimum environmental flow.

XIX. Plantation activities along the rivers:

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

XX. Development of biodiversity park:

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

XXI. Rejuvenation of River Thamirabarani:

A DPR for rejuvenation of River Thamirabarani and its tributaries have been prepared for Rs.1024 Crores by the environmental wing of Water Resources Department and has been submitted to the Engineer in Chief and Chief Engineer (General). It is under perusal for onward submission to the Government of TamilNadu.

III. Reach: Vasista River Manivilundhan to Thiyaganur

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

The SG&SWRDC is having monitoring wells for observing water quality data for the areas Papanackipatti, Yethapur, Attur and Thalaivasal. The analytical reports of the ground water analysis of these areas reveals that water quality is of the order of both good and moderate. The TDS values of these areas ranging between 365 to 2228 mg/L.

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

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

XIV. Good irrigation practices being adopted by the State:

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

XV. Rain Water Harvesting:

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

XVI. Demarcation of Floodplain and removal of illegal encroachments:

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

XVII. Maintaining minimum e-flow of river:

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

XVIII. Plantation activities along the rivers:

There is no proposal at present.

XIX. Development of biodiversity park:

There is no proposal at present.

XIII. Ground water regulation:

1.	Control of illegal Groundwater Abstraction	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally 683 packaged drinking water firms who were illegally operating have been sealed and closed. • Draft of "Tamil Nadu Water Resources Act" was prepared and sent to Government.
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I. Reach: Sirumugai to Kalingarayan stretch in Bhavani River

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

The general distribution of ground water quality varies between Good to moderate level.

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

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

XV. Good irrigation practices being adopted by the State:

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

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
45	--	--

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Drone Survey has been completed by WAPCOS. 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 Nadanthai Vaazhi Cauvery Project was submitted to NRCD for funding by March 2023.

55 Nos of encroachments belongs to fishing community, proposal for alternate land has already been sent to Secretary to Government, Revenue department by Commissioner for Revenue administration vide letter No F.2 / 41632 / 2005 / Dt.15.2.2006 and proposal is pending.

XVIII. Maintaining minimum e-flow of river:

An E-flow of **38.36 Mcft.** (including Irrigation purpose) was maintained in the river Bhavani during the month of November **2023**.

XIX. Plantation activities along the rivers:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD for funding by March 2023.

XX. Development of biodiversity park:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD for funding by March 2023.

II. Reach: Sarabanga River Thathayampatti to T.Konagapadi

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

The State Ground and Surface Water Resources Data Centre is having monitoring wells for observation of ground water quality in Danishpet, Omalur, Idaipadi, Thevur and Tharamangalam areas. While considering the Total dissolved solids of this stretch, it is found to vary between 276 mg/L to 946 mg/L. Thevur, Danishpet and Tharamangalam is having TDS of good quality whereas, the Omalur location having TDS value in the moderate quality.

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

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

XIV. Good irrigation practices being adopted by the State:

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

XV. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
5	2	10 Recharge wells

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

Drone Survey has been completed by WAPCOS. 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 Nadanthai Vaazhi Cauvery Project was submitted to NRCD for funding by March 2023. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

XVII. Maintaining minimum e-flow of river:

This river is only a flood carrier. The sewage water enters in to the river in Edapaddi Municipality, Omalur Town Panchayat and Poolampatti Town Panchayat. The above treatment plants are proposed under Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion of sewage treatment plants, as the treated water will flow as environmental flow.

XVIII. Plantation activities along the rivers:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

XIX. Development of biodiversity park:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD for funding by March 2023.

IV. Reach: Salem to Pappalapatti in Thirumanimutharu River

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

For this stretch the SG& SWRDC having monitoring wells for observation ground water quality in Salem, Attayampatti, and palapatti areas. From the observed data it is inferred that the quality of water is in moderate level i.e in these places TDS value ranges between 255 to 1636 mg/L.

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

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

XIV. Good irrigation practices being adopted by the State:

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

XV. Rain Water Harvesting:

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

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

Drone Survey has been completed by WAPCOS. 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 Nadanthai Vaazhi Cauvery Project was submitted to NRCD for funding by March 2023. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

XVII. Maintaining minimum e-flow of river:

This river is only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion sewage treatment plants, as the treated water will flow as environmental flow.

XVIII. Plantation activities along the rivers:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.

XIX. Development of biodiversity park:

Nadanthai Vaazhi Cauvery Project DPR – Phase-I was completed by WAPCOS and submitted to NRCD for funding by March 2023.