



TAMIL NADU POLLUTION CONTROL BOARD



From Dr.Jayanthi.M, I.F.S., Chairperson, Tamil Nadu Pollution Control Board, 76, Mount Salai Guindy, Chennai-600032	To The Additional Chief Secretary to Govt., Environment, Climate Change and Forests Department, Government of Tamil Nadu, Secretariat, Chennai- 600 009.
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Lr.No.TNPCB/DDDL/F-6849/PRS-MPR/2019/dated:02.09.2023.

Madam,

Sub: TNPCB-Submission of Revised Monthly Progress Report for the month of **July 2023** -Regarding.

Ref: 1) CPCB Lr.No.F.No.A-14011/OA 673/2020-WQM-I/ 12178/
dt.4.2.2020.

2) T.O.Lr.No.TNPCB/DDDL/F.6849/PRS/2019 dated: 31.08.2023.

With reference to the Government of India's letter 1st cited, I submit monthly progress report on action plans for the Polluted River Stretches in Tamil Nadu for the month of **July 2023** for kind perusal.

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

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

Encl: As above

Sd/- Dr. Jayanthi.M,
Chairperson

//Forwarded by Order//

Joint Chief Environment Engineer
(WQMD)

Advance Copy to:

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

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

Month: JULY 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)	101 2344.47	15 335.38
2.	Existing No. of FSTP and Capacity (in MLD)	33 0.944	6 0.06
	Total	2345.414	335.44
3.	MLD of sewage being treated through Alternate technology	957	1.56
4.	Under Construction STPs & FSTP (MLD)*	267.225	-
5.	Gap in Treatment Capacity in MLD	368.651	63.47
6.	Capacity Utilization of existing STPs& FSTPs	1117.524	165.11
7.	No. of Operational STPs	101	15
8.	No. of Complying STPs	101	15
9.	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.	NesapakkamSTPZone –IV	23	13.95	Operational	Complied
2.	KoyambeduSTPZone – III	34	30.81	Operational	Complied
3.	KodungaiyurSTPZone II	80	0.00	Non-Operational	–
4.	KodungaiyurSTPZone I	80	0.00	Non-Operational	Complied

5.	Perungudi STP Zone - V	12	11.87	Operational	Complied
6.	Koyambedu STP Zone - III	60	0.0	Under Rehabilitation	Partially Complied
7.	Kodungaiyur STP Zone I & II	110	7.26	Operational	Complied
8.	Nesapakkam STP Zone –IV	40	16.81	Operational	Complied
9.	Perungudi STP Zone-V	54	53.96	Operational	Complied
10	Perungudi STP Zone-V	60	59.86	Operational	Complied
11	Nesapakkam STP Zone –IV	54	30.05	Operational	Complied
12	Koyambedu STP Zone – III	120	96.37	Operational	Complied
13	Sholinganallur STP(phase I)	18	17.92	Operational	Complied
14	Thiruvottriyur STP	31	5.42	Operational	Complied
15	Kodungaiyur STP Zone – II New	120	119.42	Operational	Complied
16	Nesapakkam TTUF	10	8.25	Operational	Complied
17	CRRT - Chetpet MSTP	1.0	0.12	Operational	Complied
18	CRRT- Nungambakkam MSTP	1.2	0.78	Operational	Complied
19	CRRT - Todd Hunter Nagar MSTP	0.4*10=4	3.99	Operational	Complied
20	CRRT -Kotturpuram MSTPs	0.3*2=0.6	0.60	Operational	Complied
21	Kodungaiyur STP Zone – I	120	115.26	Operational	Complied
22	Nesapakkam STP Zone -IV	50	27.40	Operational	Complied
	Total – 22 Nos	1082.80	620.10		
DMA					
23.	Coimbatore- Ukkadam	70.0	35.0	Operational	Complied
24.	Coimbatore- Ondiputhur	60.0	3.00	Operational	Complied
25.	Coimbatore- Nanjudapuram	40.0	9.00	Under trial run	Partially Complied

26.	Coimbatore-Kuruchi&Kuniyamuthur	30.53	-	Under trial run	Partially Compiled
27.	Vellore	10.28	8.0	Operational	Complied
28.	Dindigul	13.65	4.0	Operational	Complied
29.	Avadi	36.0	8.00	Operational	Complied
30.	Avadi	4.0	2.00	Operational	Complied
31.	Madurai-1	125.0	24.0	Operational	Complied
32.	Madurai-2	45.70	15.0	Operational	Complied
33.	Thanjavur	28.05	14.00	Operational	Complied
34.	Tiruppur	15.0	8.50	Operational	Complied
35.	Tiruppur(Expansion of existing STP)	15.0	-	Under trial run	Partially Compiled
36.	Tiruppur (Sarkarperiyapalayam)	36.0	-	Under trial run	Partially Compiled
37.	Tiruppur (Chinnandipalayam)	20.0	-	Under trial run	Partially Compiled
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	5.10	Operational	Complied
44.	Viluppuram – Kakuppam	9.0	8.00	Operational	Complied
45.	Viluppuram -Erumanthangal	3.50	1.80	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	1.80	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	Under trial run	Partially Complied
69.	Tuticorin	28.0	9.0	Under trial run	Partially Complied
70.	Thiruchendur	3.90	2.0	Operational	Complied
71.	Ulunderpettai	3.15	0.49	Under trial run	Partially Complied
72.	Pollachi	11.25	2.90	Under trial run	Partially Complied
73.	Sattur	4.65	1.50	Under trial run	Partially Complied
74.	Karaikudi	16.0	0.50	Under trial run	Partially Complied

75.	Nagercoil	17.66	-	Under trial run	Partially Compiled
76.	Rajapalayam	21.85	-	Under trial run	Partially Compiled
77.	PRS -Tiruchirappalli	58.0	58.0	Operational	Complied
78.	Tiruchirappalli – STP 2	37.0	-	Under trial run	Partially 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	481.11		
	CTP				
92.	Mamallapuram TP	2.34	2.34	Operational	Complied
93.	Orathanadu TP	2.30	1.60	Operational	Complied
94.	Palanichettypatti TP	2.80	2.08	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
	Total (10 Nos)	26.67	15.37		
	Grand Total (101 Nos.)	2344.47	1116.58		

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
	Total 28 FSTPs	0.84	0.84		
	CTP				
29.	Karunguzhi	0.024	0.024	Operation	Complied
30.	Periyanaikanpalayam	0.03	0.03	Operation	Complied
31.	Chengam TP	0.020	0.02	Operation	Complied
32.	Alangayam TP	0.015	0.015	Operation	Complied
33.	Mudukulathur	0.015	0.015	Operation	Complied
	Total (5 Nos)	0.104	0.104		
	Grand Total (33 Nos)	0.944	0.944		

Details of under construction STPs in Tamil Nadu

S.No.	Location	Capacity of the plant (MLD)	Physical Progress in %	Status of I&D or House sewer connection	Completion Timeline
CMWSSB					
1	SholinganallurSTP(PHASE II)	54	94.15		September 2023 (36 +18) 18 MLD trial run under progress
2	PerungudiSTP Zone - V	60	77.38		Aug 2023
3	Perungudi TTUF	10	85.38		Aug 2023
4	CRRT, Langs Garden MSTP	10	75.35		Aug 2023
Total (4 Nos.)		134			

DMA					
5	Ambur	16.71	80		Sep-23
6	Vellore	50.0	91	-	Dec - 23
7	Ponneri	6.52	61		Dec -23
8	Pammal&Anagaputhur	27.0	35		Dec -23
9	Rameshwaram	4.08	78	-	Oct -23
10	Tindivanam	11.44	31		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	31.09.2023
13	Thiruporur TP	4.02	97	4479/4479	30.09.2023
Total (2Nos)		12.52			
Grand Total (13Nos)		266.83			

Note :In Trichy corporation revamping of Existing STP of 30 MLD work is cancelled , instead of that 100 MLD capacity STP is sanctioned under AMRUT 2.0 with Modern technology.

Details of under construction FSTPs in Tamil Nadu

Sl.No.	Location	Capacity of the plant (MLD)	Physical Progress in %	Completion Timeline
DMA				
1	Padmanabhapuram	0.02	75	Tender cancelled
2	Vedaranyam	0.02	98	Aug - 2023
3	Aranthangi	0.02	95	Aug - 2023
4	Coonoor	0.01	98	Aug- 2023
5	Virudhachalam	0.04	98	Aug- 2023
6	Jayamkondan	0.02	98	Aug- 2023
7	Gudalur	0.02	92	Aug- 2023
8	Chengalpattu	0.02	93	Aug - 2023
9	Walajapet	0.03	32	Tender cancelled
10	Keelakarai	0.02	80	Sep– 2023
11	Sivakasi	0.04	54	Sep– 2023
12	Vaniyambadi	0.03	58	Sep-2023
13	Kuzhithurai	0.04	89	Aug– 2023
Total 13		0.33		
CTP				
14	Jalakandapuram TP	0.015	100 % completed	Applied for NOC from TNPCB
15	Pennagaram TP	0.015	95	30.09.2023
16	Kaveripattinam TP	0.015	95	30.09.2023

17	Kurumbalur TP	0.010	97	30.09.2023
18	Pennadam TP	0.010	100 % completed..	Applied for NOC from TNPCB
	Total (5 Nos)	0.065		
	Grand Total (18Nos)	0.395		

Details of proposed STPs in Tamil Nadu State

Sl. No.	Locations	Capacity of the STP proposed - MLD	Status of Project (at DPR Stage/ Under tendering/ work to be awarded)	
	DMA			
1	Trichirapalli		DPR Stage	
2	Tirunelveli	10.0		
3	Musiri			
4	PunjaiPugalur			
5	Mangadu		DPR Stage yet to be finalized	
6	Chitlapakkam		Merged with Tambaram corporation. DPR preparations under progress.	
7	Madampakkam			
8	Peerankaranai			
9	Perungalathur			
10	Thiruneermalai			
11	Trichirapalli	100		
	Total (11 Nos.)			
CTP			Status of Project	Remarks
12	Sirugamani TP		DPR Stage	DPR is under preparation by WAPCOS / PWD.
13	Mohanur TP		DPR Stage	
14	Velur TP		DPR Stage	
15	Bhavani sagar TP		DPR Stage	
16	Sirumugai TP		DPR Stage	
17	Madathukulam TP		DPR Stage	
18	Omalur TP		DPR Stage	
19	Poolampatty TP		DPR Stage	
20	Kuthalam TP		DPR Stage	
21	Thirukattupalli TP		DPR Stage	
22	Thiruvaiyaru TP		DPR Stage	
23	Pethanaickenpalayam TP		DPR Completed	Tamil Nadu Water Investment Company (M/s TWIC has
24	Yethapur TP		DPR Completed	
25	Belur TP		DPR Completed	
26	Srivaikundam TP		DPR Completed	
27	Authoor TP		DPR Completed	
28	Eral TP		DPR Completed	

29	Alwarthirunagari TP		DPR Completed	been appointed as consultant for preparation of DPR. DPR submitted on 15.02.2022 by TWIC. DPR under scrutiny.
30	Then Thiruperai TP		DPR Completed	
31	Arumuganeri TP		DPR Completed	
32	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.
33	Gopalamudram TP		DPR Completed	
34	Kallidaikurichi TP		DPR Completed	
35	Cheranmahadevi TP		DPR Completed	
36	Veeravanallur TP		DPR Completed	
37	Patthamadaai TP		DPR Completed	
38	Mela Seval TP		DPR Completed	
39	Naranammalpuram TP		DPR Completed	
	Total (28Nos)			
	Grand Total 39Nos			

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	-	Administrative Sanction issued
4	Panruti	0.03	-	
5	Usilampatti	0.02	-	
	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 to CETP:	1,497	Nil
7.	No. and total capacity of ETPs (details of existing/ under construction / proposed)	-	-
8.	Compliance status of the ETPs:	11,538 Industrial units provided Zero liquid discharge system and there is no discharge into the water bodies	
9.	Number and total capacity of CETPs (details of existing/ under construction / proposed)	Existing – 36 Nos. (99 MLD). 35 CETPs in operation: 1 No is closed.	Proposed – 10 Nos., Capacity 41 MLD. Note: Some member units are in operation with adequate treatment systems. Other balance units have not been constructed.
		Under Construction 1 CETP at Kanchipuram (Member Units 76 Nos.)- 3650 KLD capacity.	
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	VanitechLtd - CETP Vaniyambadi	1	133	2000	Operation	Complied
8	RanipetTannery CETP - Ranipet	1	82	3600	Operation	Complied
9	RanipetSIDCO 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 – Visharam - 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	VelluvapalayamCE TP- 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.

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. 1.The Secretary, Ministry of Textiles, GOI, New Delhi addressed vide letter No. 16.06.2021 to the Chief Secretary, Government of Tamil Nadu wherein it has been stated that the funding pattern to the CETPs is under revision for next five years. 2.No member unitis in operation without ZLD system; Other member units
2.	Perundurai	Sree Bhavani Dyeing Cluster Development Limited, Perundurai Taluk, Erode District.	4	
3.	Perundurai	Kadayampatti Common Reject Management Systems Private Limited (CRMS), Perundurai Taluk, Erode District	1.75	
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	

Sl. No.	Location	Name of CETPs	CETP Capacity (MLD)	Status
9	Kumarapalayam	M/s. Kumarapalayam Green Cauvery Dyeing Cluster,Kumarapalayam	5.0	are proposed industries only, ie. Green sites only 3. GOI share is awaited.
10	Kumarapalayam	M/s. Green Environmental Association, Pallipalayam&Kumarapalayam,Namakal 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- 15,563 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	3709(DMA-2042+CTP-1219+ GCC-448) 9769(DMA-6253 +CTP-1448+GCC-2068) 8178 (DMA-5473+CTP-1448+GCC-1257)	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 - 202 Nos. (DMA- 195 + CTP-1+GCC-6), Capacity 1751 TPD.(DMA-1231+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, Vermi composting, 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 2,03,07,363 Cum. Total quantity of Legacy Waste biominced upto the month of July 2023 is 1,00,25,898 Cum. Note: 112 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	6253	Windrow/Vermi composting, Biogas generation	5473	201 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	6240	1257	Windrow/Vermi composting, Bio-gas generation	1257	9 Nos. of MSW treatment facilities are under construction.
Total	15563	9083		8303	

VI. Bio-medical Waste Management (BWM):

S.N	BWM	State	PRS
1.	Total Bio-medical generation (TPD)	a) Authorized quantity :102.451T/Day. b) Average generation : 49.72 T/day.	Authorized quantity: 10.71 T/Day
2.	No. of Hospitals and Health Care Facilities:	28,996	6278
3.	Status of Treatment Facility/ CBMWTF:	Total -13 Nos. 11- Facilities under operation, 2-Facilities - Issued Closure order by TNPCB for non-compliance. 3 Nos Common facilities (CBMWTFs) are under establishment in Hosur, Gummidipoondi & 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 Recylable:1.2081 lakhs T/A Utilizable : 7.30 lakhs T/A Land fillable : 0.90 lakhs T/A Incinerable : 0.24 lakhs T/A
2.	No. of Industries generating HW	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>TSDF Gummidipoondi</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>TSDF Viruthunagar</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	31 Nos. of STPs / FSTPs are under construction. To bridge the gap 44 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
JULY 2023**

Sl.No.	Name of the River	No of Monitoring Locations	BOD mg/L (Maximum level)
1	Sarabanga	1	21
2	Thirumanimutharu	1	24
3	Vasista	1	60
4	Cauvery	19	2.7
5	Bhavani	7	2.7
6	Thamirabarani	12	2.9
7.	Amaravathi	3	1.2
8.	Palar	1	No flow
9.	Cooum	5	48
10.	Adyar	5	25

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/Lto 1636 mg/L.
Vasista	The SG&SWRDC is having monitoring wells in Papanackennpatti, Yethapur, Athur and Thalaivasal. The TDS value is between 168 mg/L to 2006 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 310 mg/L to 1765 mg/L, at Salem the water quality varies between 215 to 2057 mg/l, at Namakkal the TDS exceed even 304 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
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

Bhavani	regulate and manage the extraction of Groundwater is under active consideration of the Government of Tamil Nadu. The draft act has been approved by the high level technical committee headed by the Chief Secretary.
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 works 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 Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I Nadanthai Vaazhi 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
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 Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I Nadanthai Vaazhi 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 Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I Nadanthai Vaazhi 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 Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion sewage treatment plants. The treated water will flow as environmental flow.
Thirumanimutharu	This river is only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion of sewage treatment plants, as the treated water will flow as environmental flow.
Vasista	This river is only a flood carrier. But the sewage water enters in to the river in

	Attur and Narasingapuram Municipality. After completion of sewage treatment plants in the above locations, the treated water will flow as environment flow.
Cauvery	Mettur dam is opened for irrigation from June 12 th to January 28 th based on availability of water every year. It is opened for drinking purpose in the remaining days, during the monsoon period at flood time the maximum food discharge in the river has been 284606 cusecs on 08.07.1961. Usually a monthly minimum average E flow of 0.10 TMC is maintained. The E flow is maintained for more than 8 months. During the month of July 2023 an E Flow of 0.938 TMC was maintained.
Bhavani	An E flow of 3146.08 Mcft. (including Irrigation purpose) was maintained in the river Bhavani during the Month of July 2023 .
Thamirabarani	An average of 490.44 cusecs of water is released into the river in the month of July 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 River Banks and investigation works are being taken to implement it by Forest Department.

XIX. Development of biodiversity park - PWD

Name of the River	Development of Biodiversity park
Sarabanga	Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS

Thirumanimutharu	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	
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 (STEW).

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 Plan by the 14 Coastal States:

The Government of Tamil Nadu vide G.O.MS No.64 Environment and Forests (EC.2) Department dated :03.10.2020,instructedthe Department of Environment forpreparation Ofaction plan for the coastal and marine pollution. However, the TNPCB has addressed NIOT, Chennai, National Centre for Coastal Research (NCCR), Chennai and IIT, Chennai to

furnish quotations to prepare action plans. The NCCR has furnished quotation to carry out the works. A committee has been constituted to examine the NCCR report and the committee has approved the proposals and permitted to entrust the work to NCCR. G.O is awaited.

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 programmes were conducted through District Collectors in all the District headquarters and towns requesting the public to:

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

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

- a) The Government of Tamil Nadu have issued orders vide G.O. MS No.765 public (law and order) Department date 30.08.2021 to obey the Hon'ble Supreme Court orders in case No.11366/2020, 11467/2020, etc., regarding idols immersions and celebrations of festivals.
- b) The Tamil Nadu Pollution Control Board published idols immersion locations district wise. Guidelines of Central Pollution Control Board, Ministry of Environment and Forests,

Department May 12th 2020 notification have been published in local newspapers for creating public awareness.

- c) The Board monitors water quality of the said water bodies before& after immersion of idols. Idols were not immersed during the 2020-2021 Vinayagar Chathurthi 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 being prepared to rejuvenate Rivers Viz., Palar, Amaravathi, Cooum and Adyar and will be completed early.

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.

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

Sl. No.	Details of works	Action taken
1	Polluted River Stretches identified	Priority-I RiverVasista,Thirumanimutharu, Adyar &Cooum; Priority-II River Sarabanga; Priority-III River Cauvery; Priority - IV River Tamiraparani and Priority -V River Bhavani, Amaravathi & Palar.
2	Sewage Generation	3938.29 MLD in Tamil Nadu.
3.a.	Existing STPs	There are 101 STPs in operation with treatment capacity of 2344.47 MLD and 33 FSTPs of 0.944 MLD capacity. In addition, 957 MLD of sewage is treated using alternate technologies.
b.	Under construction STPs	13 STPs (266.83 MLD capacity) and 18 FSTPs (0.395MLD capacity) are under construction and they are at various stages of implementation. Incremental increase of 0.11to 19.35 % has been achieved during July 2023. The incremental progress of the under-construction projects of STPs/FSTPs are furnished as Annexure-1 .
c.	Proposed STPs:	39 STPs are proposed to fill the gap of treatment of sewage.
4 a.	Existing MSW treatment :	a) Generation – 15563TPD . b) Treatment capacity - 9769TPD(annexure-2)
b	Under construction MSW Facilities:	202 MSW facilities are being constructed to a capacity of 1751 TPD .
c.	Proposed MSW Facilities	41 Nos. of facilities are proposed to a capacity of 2230 TPD .
d	Bio -mining	a) Generated- 2,03,07,363 Cum . b)Treated- 1,00,25,898 Cum .

5 a.	Existing CETPs	There are 36 CETPs existing in the State with a capacity of 98794 KLD . 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 – 28,996 b) Authorised quantity of BMW - 102.451 T/Day . c)Average generation – 49.72 T/day
7	Hazardous Waste Management	Total hazardous Waste 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:	TNPCB has requested Govt. of Tamil Nadu to accord permission to carry out the work of Preparing of “time bound comprehensive action plans to mitigate coastal and marine pollution along the Tamil Nadu coast” at a cost of Rs.49.56 lakhs to entrust the work to NCCR so as to comply the Hon'ble NGT orders. The Tamil Nadu Govt. formed a committee of Experts under clause (bb) of section 16 of Tamil Nadu Transparency in Tenders Act vide G.O. (Ms) No.23 dated: 30.01.2023, and meeting on “Preparation of time bound comprehensive action plan to mitigate coastal & marine pollution along the Coastal stretches of TN was held on 11.05.2023 and the committee decided to permit NCCR, Chennai to carry-out the study. Government Order is awaited.

9	Water Quality in Polluted River Stretches July 2023.				
	Sl. No.	Name of the River	No.of Monitoring Locations	BOD mg/L (Maximum Value)	Bathing Standards
	1	Sarabanga	1	21	BOD < 3 mg/l
	2	Thirumanimutharu	1	24	
	3	Vasista	1	60	
	4	Cauvery	19	2.7	
	5	Bhavani	7	2.7	
	6	Thamirabarani	12	2.9	
	7.	Amaravathi	2	1.2	
	8.	Palar	1	No flow	
	9.	Cooum	5	48	
	10.	Adyar	5	25	
10.	Reuse of treated wastewater :97.0 MLD of industrial effluent is treated 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: 119existing RWH structures along the PRS are provided; 22 Nos. 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. 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.				

Annexure- 1

INCREMENTAL PROGRESS OF STPs UNDER CONSTRUCTION

Sl.No	Location	Capacity (MLD)	% of Completion		Incremental Progress %
			June 23	July 23	
	CMWSSB				
1.	Sholinganallur STP (Phase II)	54	94.15	94.15	-
2.	PerungudiSTPZone - V	60	77.0	77.38	0.49
3.	Perungudi TTUF	10	84.50	85.38	1.03
4.	CRRT, Langs Garden MSTP	10	75.15	75.35	0.27
	DMA				
5.	Ambur	16.71	80	80	-
6.	Rameshwaram	4.08	78	78	-
7.	Vellore	50.0	91	91	-
8.	Ponneri	6.52	55	61	9.84
9.	Tindivanam	11.44	25	31	19.35
10.	Pammal&Anagaputhur	27.0	35	35	-
	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 %
			June 23	July 23	
	DMA				
1	Padmanabhapuram	0.02	75	75	-
2	Vedaranyam	0.02	98	98	-
3	Aranthangi	0.02	95	95	-
4	Coonoor	0.01	98	98	-
5	Virudhachalam	0.04	98	98	-
6	Jayamkondan	0.02	98	98	-
7	Gudalur	0.02	92	92	-
8	Chengalpattu	0.02	93	93	-
9	Walajapet	0.03	32	32	-
10	Sivakasi	0.04	54	54	-
11	Keelakarai	0.02	80	80	-
12	Vaniyambadi	0.03	58	58	-
13	Kuzhithurai	0.04	89	89	-
	CTP				
14	Jalakandapuram TP	0.015	100	100	-
15	Pennagaram TP	0.015	95	95	-
16	Kaveripattinam TP	0.015	95	95	-
17	Kurumbalur TP	0.010	97	97	-
18	Pennadam TP	0.010	100	100	-

Annexure-2
INCREMENTAL PROGRESS OF MUNICIPAL SOLID WASTE MANAGEMENT-STATE
(ULBs)

Sl. No	Details	Feb 2023	Mar 2023	Apr 2023	May 2023	June 2023	July 2023	Incremental increase (%) (June 2023 to July 2023)
1	MSW generation (TPD)	15240	15214	15441	15379	15577	15563	-
2	MSW treatment capacity (TPD)	9704	9709	9723	9732	9756	9769	0.13
3	MSW utilization (TPD)	8207	8109	8161	8163	8169	8178	0.11



DDLABS AEL <tnpcbprs@gmail.com>

MPR July 2023 - reg

1 message

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

Mon, Aug 7, 2023 at 3:51 PM

PFA the subject document

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Regards,

Jaishankar M.R.

Exe.Engr - CMWSSB (8144930600)

பிறப்பொக்கும் எல்லா உயிர்க்கும் சிறப்பொவ்வா
செய்தொழில் வேற்றுமை யான். - குறள்**CMWSSB MPR Format - July 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 July 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)	1923.10 (Avg – 620.10 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 – July 2023

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Nesapakkam STP Zone - IV	23	13.95	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	30.81	Operational	
3	Kodungaiyur STP Zone II	80	0.00	Non-Operational	
4	Kodungaiyur STP Zone I	80	0.00	Non-Operational	
5	Perungudi STP Zone - V	12	11.87	Operational	
6	Koyambedu STP Zone – III	60	0.00	Under Rehab	
7	Kodungaiyur STP Zone I & II	110	7.26	Operational	

8	Nesapakkam STP Zone-IV	40	16.81	Operational	
9	Perungudi STP Zone - V	54	53.96	Operational	
10	Perungudi STP Zone – V	60	59.86	Operational	
11	Nesapakkam STP Zone - IV	54	30.05	Operational	
12	Koyambedu STP Zone – III	120	96.37	Operational	
13	Sholinganallur STP (phase I)	18	17.92	Operational	
14	Thiruvottriyur STP	31	5.42	Operational	
15	Kodungaiyur STP Zone – II New	120	119.42	Operational	
16	Nesapakkam TTUF	10	8.25	Operational	
17	CRRT - Chetpet MSTP	1.0	0.12	Operational	
18	CRRT- Nungambakkam MSTP	1.2	0.78	Operational	
19	CRRT - Todd Hunter Nagar MSTP	0.4*10=4	3.99	Operational	
20	CRRT -Kotturpuram MSTP	0.3*2=0.6	0.60	Operational	
21	Kodungaiyur STP Zone - I	120	115.26	Operational	
22	Nesapakkam STP Zone - IV	50	27.40	Operational	
Total		1082.80	620.10		

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	94.15		September 2023 (36+18) 18MLD trial run under progress
2	Perungudi STP Zone - V	60	77.38		Aug 2023
3	Perungudi TTUF	10	85.38		Aug 2023
4	CRRT- Langs Garden MSTP	10	77.35		Aug 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>

PRS - JULY MONTH Progress sent - reg

1 message

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

Wed, Aug 30, 2023 at 11:23 AM

Sir/ Madam,
Please see the attachment

2 attachments



FSTPs Progress _31072023.xls
114K



LWM Status (July-23 Month).doc
164K

FSTPs – Progress updates 31-07-2023

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		Puliangudi	40	100%	
25		Cumbum	40	100%	
26		Kulithalai	20	100%	

27		Attur	40	100%	
28		Sirkazhi	20	100%	
29		Padmanabhapuram	20	75%	Tender Cancelled & retender to be called
30		Vedaranyam	20	98%	Aug-23
31		Aranthangi	20	95%	Aug-23
32		Coonoor	10	98%	Aug-23
33		Virudhachalam	40	98%	Aug-23
34		Jayamkondan	20	98%	Aug-23
35		Gudalur	20	92%	Aug-23
36		Chengalpattu	20	93%	Aug-23

37	0% to 95%	Walajapet	30	32%	Tender Cancelled & retender to be called
38		Kuzhithurai	40	89%	Aug-23
39		Keelakarai	20	80%	Sep-23
40		Sivakasi	40	54%	Sep-23
41		Vaniyambadi	30	58%	Sep-23

Overall status of STP
July-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 & 1233.00	15Nos & 310.52
2	Capacity Utilization of existing STPs	481.11	165.05
3	MLD of sewage being treated through Alternate technology	Nil	
4	Gap in Treatment Capacity in MLD	465.73	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	9.00	Under trial run	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	5.10	Operational	Comply
15	Viluppuram – (Kakuppam)	9.00	8.00	Operational	Comply
	Viluppuram (Erumanthangal)	3.50	1.80	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	1.80	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	Under trial run	Comply
38	Tuticorin	28.00	9.00	Under trial run	Comply
39	Tiruchendur	3.90	2.00	Operational	Comply
40	Ulundurpet	3.15	0.49	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	481.11		

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	80%	-	Sep-23
2	Vellore	50.00	91%	-	Dec -23
3	Rameswaran	4.08	78%	-	Oct-23
4	Ponneri	6.52	61%	-	Dec-23
5	Pammal & Anagaputhur	27.00	35%	-	Dec-23
6	Tindivanam	11.44	31%	-	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			

In Trichy Corporation revamping of Existing STP of 30MLD work is cancelled which is WSP technology, Instead of that 100MLD capacity STP is sanctioned under AMRUT2.0/kfw and tender called due on 27.09.23.

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



DDLABS AEL <tnpcbprs@gmail.com>

Polluted River Stretch MPR Format for July 2023

1 message

Swachh Bharat Mission <sbmpmucma@gmail.com>

Fri, Aug 25, 2023 at 4:23 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 July 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

-  **PRS ULBs -SWM Existing Facilites.xlsx**
15K
-  **1.SWM Revised MPR Format for 158 ULBs.docx**
21K
-  **2. SWM-LWM MPR-excell sheet.xlsx**
17K
-  **3. Gap anaylsis JS -Mail.xlsx**
29K
-  **CMA ULBs-SWM Existing Facilites (2).xlsx**
40K

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 July 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	772	2951	2867	185	670	645
d.	Biomethanation	47	189	140	13	53	48
e.	MRF/RRC	239	1019	1019	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	2042	6253	5473	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.)	195 Nos			31 Nos		
	Details of MSW treatment facilities under construction (capacity, TPD)	1231 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		

V	Solid Waste Management:		
		Tamil Nadu State	Polluted River Stretches
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		
	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 1556.13 MT of single use plastics had been seized and a penalty of Rs.8.41 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 238.32 MT of single use plastics had been seized and a penalty of Rs.1.96 crores has been collected. The seized plastics are stored at Resource Recovery Centres (RRC) and disposed to Cement industries.
XXIV	Regulation of /Mining Activities in the State/UT		

Legacy waste

TN ULBs	legacy waste estimated (Cu.Mtr)	Legacy waste 100% biomined (Cu.Mtr)		Under process (Balance Waste) Cu.Mtr							Remarks
		ULB	Waste	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	
CMA	84.05 Lakhs Cu.m in 98 ULBs	77	52.92 Lakhs Cu.m	19.6	18.97	17.85	16.67	15.22	14.11	13.57	

[illegible]

**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 July 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	6240			
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	453	
d.	Biomethanation	6	21	21	
e.	MRF/RRC	190	468	357	
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	170	
g.	Waste to Energy				
	1. Bio-gas	34	13	12	
	2. Bio-CNG	2	200	144	
	Total	448	2068	1257	
4	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	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	2 no (400 each)	800	528	
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 2nos -500 TPD KDG & PDG Compost 2nos - 500 TPD KDG & PDG MRF (Automatic) - 2nos 1400 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			Bio-CNG 5nos -100 TPD each under construction Pyrolysis 1no -20 TPD completed. Trial run under process
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	
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	6240	
	Total MSW processed in TPD	1257	
	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	1257	
	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		
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			

EXECUTIVE ENGINEER (SWM)

SUPERINTENDING ENGINEER (SWM)

GREATER CHENNAI CORPORATION DUMPSITE DETAILS AS ON 31.07.2023

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	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	22,50,141	73.00
3				25	6351	Athipattu	Zone 3 Athipattu	13.10	80.15	On-Going	12	7.54	1,07,811	1,06,200	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	1,21,320	96.00

P.k.b.
25.8.2023
Executive Engineer (SWM)

m.p.s.
25/8/23
Superintending Engineer (SWM)

DP
24/08/23
Accepted

Details of Garbage Collection and Processing in Zone 1 to 15

JULY 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	Wind row	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	31.7	28.7	0	0	3.85	64.21	20.2	27.2	1.8	4.3	53.57	0	0	2.18	2.01	6	48.8	170.73	5.26	0	5.26
2	2	10.7	14.6	0	0	1.29	26.64	18.6	11.8	1.46	2	33.82	0.02	0.15	1.06	0.56	0	1.57	63.81	0.76	0	0.76
3	3	6.81	26.5	0	0	10.4	43.76	1.5	16.4	1.59	21.3	40.71	0	0	2	2.32	5	34.8	123.55	11.84	0	11.84
4	4	42.5	22.1	0.36	0	15.4	80.37	0.9	32.1	0.45	29.3	62.74	0	0	0.56	2.1	103	394	539.28	63.35	65.81	129.16
5	5	60.8	4.32	5.77	4.75	5.08	80.71	0.2	37.9	0.12	33.5	71.76	0	0	1.69	1.97	71	529	685	108.51	64.07	172.58
6	6	26.4	1.82	1.04	10	0.24	39.49	0.25	26.6	1.07	26.6	54.55	0	0	1.44	1.81	43	386	482.78	43.81	52.68	96.5
7	7	42.9	4.04	3.35	0	1.65	51.89	0.39	45.1	0.84	34.1	80.33	0	0	3.5	7.65	42	467	610.19	0.43	0	0.43
8	8	53.6	0	0	6.01	1.73	61.38	0.21	41.4	0.02	27	68.61	0	0	3	1.88	42	460	594.4	16.03	79.48	95.51
9	9	19.8	0	0.51	0.02	11	31.32	1.06	26.3	1.07	20.9	49.38	0	0	7.28	5.58	68	547	640.31	16.56	107.33	123.89
10	10	19.4	0	0.39	0	8.8	28.6	1.25	7.96	0.53	6.8	16.53	0	0.14	5.12	1.87	67	490	541.85	7.92	79.67	87.59
11	11	12.8	0	0	0	0	12.8	1.12	9.95	2.28	5.09	18.44	0	0	3.97	4.8	25	216	255.67	17.54	0	17.54
12	12	26.1	0	0.86	0	4.37	31.29	0.66	9.76	1.68	2.7	14.8	0	0	2.84	4.32	18	145	197.95	18.96	0	18.96
13	13	27.9	0	0	0	4.19	32.08	0.59	20.4	0.9	7.22	29.13	0	0	7.03	5.75	58	459	533.09	16.21	78.97	95.17
14	14	43.4	0	0	0	0	43.37	0.37	31.2	1.97	2.16	35.65	0.34	0.46	2.65	6.61	41	212	300.7	20.38	0	20.38
15	15	28.5	0	0	0	0	28.51	1.2	12.7	2.02	1.68	17.63	0.31	0.09	4.53	5.18	28	183	239.08	1.1	0	1.1
Pollu care		0	0	0	0	54.4	54.44	0	0.41	0	0.06	0.47	0	0	0	0	0	0	55.41	0	0	0
Koyambedu		0	0	0	0	21.5	21.53	0	0	0	0	0	0	0	0	0	10	185	206.74	0	0	0
TOTAL		453	102	12.3	20.8	144	732.4	48.5	357	17.8	225	648.13	0.67	0.84	48.84	54.4	627	4755	6240.6	348.66	528.02	876.68



DDLABS AEL <tnpcbprs@gmail.com>

MPR - July 2023 - DTP

1 message

Schemes Section <ctpschemes21@gmail.com>
To: tnpbprs@gmail.com

Mon, Aug 28, 2023 at 11:49 AM

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 - July.xlsx**

20K

**Gap Anaylsis - July.xlsx**

36K

**MPR July.docx**

40K

National Mission for Clean Ganga
Format for submission of Monthly Progress Report (July 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)	9 (26.67MLD) + 5 (0.104 MLD)	-
2	Capacity Utilization of existing STP/FSTPs	15.424 MLD	-
3	MLD of sewage being treated through Alternate technology	3 MLD	-
4	Gap in Treatment Capacity in MLD	399.516	24.86
5	No. of Operational STPs/FSTPs	9 + 5	-
6	No. of Complying STPs/FSTPs	9 + 5	-
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	Musiri	Upgraded as Municipality							
2	Sirugamani	-	-	DPR Stage	-	-	PWD	-	DPR is under preparation by WAPCOS/ PWD.
3	Mohanur	-	-	DPR Stage	-	-	PWD	-	"
4	Velur	-	-	DPR Stage	-	-	PWD	-	"
5	Punjai Pugalur	Upgraded as Municipality							
6	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
7	Sirumugai	-	-	DPR Stage	-	-	PWD	-	"
8	Madathukulam	-	-	DPR Stage	-	-	PWD	-	"
9	Omalur	-	-	DPR Stage	-	-	PWD	-	"
10	Poolampatty	-	-	DPR Stage	-	-	PWD	-	"
11	Kuthalam	-	-	DPR Stage	-	-	PWD	-	"
12	Thirukattupalli	-	-	DPR Stage	-	-	PWD	-	"
13	Thiruvaiyaru	-	-	DPR Stage	-	-	PWD	-	"
14	Pethanaickenpalayam	-	-	DPR 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
15	Yethapur	-	-	DPR completed	-	-	DTP	-	"
16	Belur	-	-	DPR completed	-	-	DTP	-	"
17	Srivaikundam	-	-	DPR completed	-	-	DTP	-	"
18	Authoor	-	-	DPR completed	-	-	DTP	-	"
19	Eral	-	-	DPR completed	-	-	DTP	-	"
20	Alwarthirunagari	-	-	DPR completed	-	-	DTP	-	"
21	Then Thiruperai	-	-	DPR completed	-	-	DTP	-	"
22	Arumuganeri	-	-	DPR completed	-	-	DTP	-	"
23	Mukkudal	-	-	DPR completed	-	-	DTP	-	The SBM 2.0 2 nd State High Powered
24	Gopalasamudram	-	-	DPR 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
25	Kallidaikurichi	-	-	DPR completed	-	-	DTP	-	Committee meeting held on 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
26	Cheranmahadevi	-	-	DPR completed	-	-	DTP	-	
27	Veeravanallur	-	-	DPR completed	-	-	DTP	-	
28	Patthamadai	-	-	DPR completed	-	-	DTP	-	
29	Mela Seval	-	-	DPR completed	-	-	DTP	-	
30	Naranammalpuram	-	-	DPR completed	-	-	DTP	-	

Details of each existing STP in the State & PRS

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Mamallapuram	2.34	2.34	Operational	Complied
2	Orathanadu	2.30	1.60	Operational	Complied
3	Thiruchendur	Upgraded as Municipality			
4	Palanichettypatti	2.80	2.08	Operational	Complied
5	Thirumazisai	3.00	1.80	Operational	Complied
6	Ulunderpettai	Upgraded as Municipality			
7	Velankanni	2.33	1.10	Operational	Complied
8	Manachanallur S.Kannanur	6.41	1.85	Operational	Complied
9	Vallam	2.35	2.35	Operational	Complied
10	Perundurai	3.14	0.35	Operational	Complied
11	Melachokanathapuram	2.00	1.90	Operational	Trial Run
		26.67	15.37		

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	
2	Periyanaikanpalayam	0.030	0.030	Operational	
3	Chengam	0.020	-	Operational	Trial Run
4	Alangayam	0.015	-	Operational	Trial Run
5	Mudukulathur	0.015		Operational	Trial Run
		0.104	0.054		
TOTAL		26.774	15.424		

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	31.09.2023
2	Thiruporur	4.02	97% Completed	4479/4479	30.09.2023
	Total	12.52		10174/10479	
Septage Management					
1	Jalakandapuram	0.015	100% Civil Works completed	-	Applied for NOC from Pollution Control Board
2	Pennagaram	0.015	95% completed	-	30.09.2023
3	Kaveripattinam	0.015	95% completed	-	30.09.2023
4	Kurumbalur	0.010	97% completed	-	30.09.2023
5	Pennadam	0.010	100% completed	-	Applied for NOC from Pollution Control Board
Total		0.065			

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 eg- 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, 1 work in finishing stage and remaining 1 work 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	Under construction will be completed before June 2023	
			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 - 102 TPD & 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

STPs & FSTPs under progress

TN ULBs	STP Name	Sanctioned month and year	Capacity (MLD)	% of completion						
				Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
	<u>STP</u>									
DTP	Sriperumbudur	19.6.2012/ 16.5.2014	8.50	97%	97%	97%	97%	97%	97%	97%
	Thiruporur	19.09.2013 / 11.01.2017	4.02	95%	95%	97%	97%	97%	97%	97%
	<u>FSTP</u>									
DTP	Jalakandapuram	21.1.2019	0.015	100%	100%	100%	100%	100%	100%	100%
	Pennagaram	21.1.2019	0.015	95%	95%	95%	95%	95%	95%	95%
	Kaveripattinam	21.1.2019	0.015	95%	95%	95%	95%	95%	95%	95%
	Kurumbalur	21.1.2019	0.01	90%	95%	95%	97%	97%	97%	97%
	Pennadam	21.1.2019	0.01	90%	100%	100%	100%	100%	100%	100%

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	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
DTP	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	402.62	402.62	402.62	402.62	402.62	402.62	399.52

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	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
DTP	26.67	26.67	26.67	26.67	26.67	26.67	29.77	7.87	7.87	11.22	11.22	12.22	15.37	15.42	18.80	18.80	15.45	15.45	14.45	11.30	14.35

Solid Waste Management

[illegible]

Solid Waste Treatment -Capacity Utilisation

[illegible]

Legacy Waste

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimated (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
1	18-19	Madukkur	6505.89	6505.89	-	-	-	-	-	-
2	18-19	Chinnalapatti (1)	5963.73	5963.73	-	-	-	-	-	-
3	21-22	Uthamapalayam (2)	8500.00	8500	-	-	-	-	-	-
4	21-22	Thiruppananthai	2138.00	2138	-	-	-	-	-	-
5	18-19	Annur	9893.00	9893.00	-	-	-	-	-	-
6	19-20	Sulur	5300.00	5300	-	-	-	-	-	-
7	21-22	Vasudevanallur	5472.00	5472	-	-	-	-	-	-
8	19-20	Perundurai (2)	19790.00	19790.00	-	-	-	-	-	-
9	19-20	Kanniyakumari	12113.00	12113	-	-	-	-	-	-
10	19-20	Karumandi Chellipalayam	16088.00	16088	-	-	-	-	-	-
11	18-19	Anaimalai (1)	7115.81	7115.00	-	-	-	-	-	-
12	19-20	Thirumazhisai	2265.00	2265	-	-	-	-	-	-
13	19-20	Thammampatty	5918.00	5918	-	-	-	-	-	-
14	19-20	Palamedu	1574.00	1574	-	-	-	-	-	-
15	19-20	Polur	16140.00	16140	-	-	-	-	-	-
16	19-20	Chinnalapatti (2)	3511.00	3511	-	-	-	-	-	-
17	19-20	Alanganallur	3186.00	3186	-	-	-	-	-	-
18	19-20	Kaliyakkavilai	1535.00	1535	-	-	-	-	-	-
19	19-20	Ammapettai	9993.00	9993	-	-	-	-	-	-
20	18-19	Jalakandapuram	6036.00	6036.00	-	-	-	-	-	-
21	18-19	Denkanikottai	14854.55	14854.55	-	-	-	-	-	-
22	18-19	Kaveripattinam (1)	10856.22	10856.22	-	-	-	-	-	-
23	18-19	Velur	4973.00	4973.00	-	-	-	-	-	-
24	18-19	Perundurai (1)	14000.00	14000.00	-	-	-	-	-	-
25	18-19	Marakkanam	18186.00	18186.00	-	-	-	-	-	-
26	18-19	Velankkani (1)	26082.00	26082.00	-	-	-	-	-	-
27	18-19	Manachanallur	16983.00	16983.00	-	-	-	-	-	-

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimated (Cu.m)	Legacy waste 100% biomined (Cu.m)	Under process (Balance Waste) (Cu.M)					
28	18-19	Thenkarai	6548.96	6548.96	-	-	-	-	-	-
29	18-19	Uthamapalayam (1)	6876.93	6876.93	-	-	-	-	-	-
30	18-19	Naravarikuppam (1)	5208.00	5208.00	-	-	-	-	-	-
31	18-19	Gingee	13800.00	13800.00	-	-	-	-	-	-
32	19-20	Swamimalai	11251.00	11251.00	-	-	-	-	-	-
33	18-19	Thiruvaiyaru	17500.00	17500.00	-	-	-	-	-	-
34	21-22	Lakkampatti	7925.00	7925.00	7450	7450	-	-	-	-
35	21-22	Arumuganeri	18000.00		16900	16900	900	-	-	-
36	21-22	Kuthalam	6362.00		4453	4453	117	-	-	-
37	19-20	Harur	11181.00		10681	10681	171	-	-	-
38	19-20	Periyanaickenpalayam	11587.00		10950	7200	3550	-	-	-
39	21-22	Chengam	5175.00		3100	3100	575	575	-	-
40	21-22	Madathukulam	7828.00		6500	6500	1328	1328	-	-
41	22-23	Thirupuvanam (Tnj)	5530.00		800	800	800	800	800	-
42	22-23 (A)	Keeramanagalam	1940.00		1940	1940	1940	1940	1940	-
43	22-23 (A)	Kaliyakkavilai	2006.00		2006	2006	2006	1831	1831	-
44	22-23 (A)	PN Patti	3260.00		-	-	-	-	-	-
45	22-23 (A)	Palani Chettipatti (A)	17566.00		-	-	-	-	-	-
46	22-23 (A)	Veerakkalpudur	6096.00		6096	6096	5000	3250	1500	-
47	19-20	Anthiyur	14810.00		12500	12500	2310	2310	2310	2310
48	21-22	Thisayanvilai	35966.00		10200	10200	10200	10200	10200	10200
49	21-22	Thirukattupalli	13585.00		9238	9238	4347	4259	2038	1930
50	19-20	Kunathur	8168.00		7050	7050	1118	1118	1118	819
51	21-22	Ayyampettai	9970.00		6979	6979	2975	2975	2274	1974
52	21-22	Anaimalai (2)	7686.00		5500	5500	2186	1536	786	186
53	19-20	Avinasi	7583.00		5150	5150	2433	2433	2433	2433
54	19-20	Suleswaranpatti (1)	10883.00		5733	5733	5733	4423	4423	1547
55	18-19	Vazhapadi	6134.00		4234	4234	4234	4234	4234	4234
56	21-22	Suleswaranpatti (2)	4944.00		3985	3985	694	248	224	224

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimated (Cu.m)	Legacy waste 100% biominer (Cu.m)	Under process (Balance Waste) (Cu.M)					
57	21-22	Alangulam	16874.00		3924	3924	3924	3924	3924	3924
58	21-22	Kanjikovil	5089.00		3680	3680	1669	1439	1139	1139
59	21-22	Orathanadu	6240.00		3432	3432	2225	1530	936	312
60	22-23	Podhaturpet	9595.00		4795	4795	4795	3595	2195	1395
61	19-20	P.Velur	10474.00		4974	4974	4974	4924	4924	4924
62	21-22	Chithode	5080.00		2740	2740	2440	2331	2331	2331
63	21-22	Namagiripettai	9356.00		6256	6256	6256	6256	6256	5456
64	21-22	Ilayangudi	5534.00		2934	2934	2934	2934	2854	2854
65	19-20	Omalur	3489.00		2158	2158	2158	2158	2158	349
66	21-22	Mallasamudram	5737.00		3637	3637	3637	3537	3537	2937
67	19-20	Batlagundu (1)	17271.00		2009	2009	2009	2009	2009	2009
68	22-23	Palani Chettipatti	17566.00		2009	2009	2009	2009	2009	2009
69	22-23	Puliyur	8716.00		5921	5921	5921	5921	5091	4266
70	21-22	Velankanni (2)	7156.00		5506	5506	5506	5506	4456	3856
71	18-19	Omalur	4600.00		1452	1452	1452	1452	1452	460
72	21-22	Kattuputhur	5590.00		1020	1020	1020	1020	1020	1020
73	22-23	Chinnasalem	4520.00		420	420	420	420	420	420
74	21-22	Muthupettai	6505.00		300	300	300	300	300	300
75	22-23 (A)	Srivaikuntam	670.96		671	671	671	671	671	671
76	22-23 (A)	Mukkudal	859.44		859	859	859	859	859	859
77	22-23 (A)	Sundarapandiam	1175.00		1175	1175	1175	1175	1175	1175
78	22-23 (A)	Sivagiri	1200.00		1200	1200	1200	1200	1200	1200
79	22-23 (A)	Palamedu (A)	1500.00		1500	1500	1500	1500	1500	1500
80	22-23 (A)	Alanganallur (A)	1513.00		1513	1513	1513	1513	1513	1513
81	22-23 (A)	Uppiliapuram	1763.00		1763	1763	1763	1763	1763	1763
82	22-23 (A)	Sriperumbudur	1800.00		1800	1800	1800	1800	1800	1800
83	22-23 (A)	Vadipatti	1800.00		1800	1800	1800	1800	1800	1800
84	22-23 (A)	Chettipalayam	1935.00		1935	1935	1935	1935	1935	1935
85	22-23 (A)	Punjai Thottakurichi	2067.50		2068	2068	2068	2068	2068	2068

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimated (Cu.m)	Legacy waste 100% biominced (Cu.m)	Under process (Balance Waste) (Cu.M)					
86	22-23 (A)	Nagojanahalli	2070.00		2070	2070	2070	2070	2070	2070
87	22-23 (A)	Annavasal	2070.00		2070	2070	2070	2070	2070	2070
88	22-23 (A)	Watrap	2094.00		2094	2094	2094	2094	2094	2094
89	22-23 (A)	Pennathur	2194.03		2194	2194	2194	2194	2194	2194
90	22-23 (A)	Kaveripakkam	2700.00		2700	2700	2700	2700	2700	2700
91	22-23 (A)	Achirapakkam	2800.00		2800	2800	2800	2800	2800	2800
92	22-23	Kutchanur	3028.00		3028	3028	3028	3028	3028	3028
93	22-23 (A)	Ananthapuram	3126.00		3126	3126	3126	3126	3126	3126
94	22-23 (A)	Moolaikaraipatti	3320.47		3320	3320	3320	3320	3320	3320
95	22-23 (A)	Manalurpettai	3500.00		3500	3500	3500	3500	3500	3500
96	22-23 (A)	Aravakurichi	3500.00		3500	3500	3500	3500	3500	3500
97	22-23 (A)	Karimangalam	3600.00		3600	3600	3600	3600	3600	3600
98	22-23 (A)	Vaithieswarankoil	3881.23		3881	3881	3881	3881	3881	3881
99	22-23 (A)	Melagaram	4221.00		4221	4221	4221	4221	4221	4221
100	22-23 (A)	Arani	4349.00		4349	4349	4349	4349	4349	4349
101	22-23	Kattumannarkoil	4472.00		4472	4472	4472	4472	4472	4472
102	22-23	Nangavalli	4500.00		4500	4500	4500	4500	4500	4500
103	22-23 (A)	Sulur (A)	4500.00		4500	4500	4500	4500	4500	4500
104	22-23	Thiyagadurgam	4720.00		4720	4720	4720	4720	4720	4720
105	22-23	Uthukottai	5775.00		5775	5775	5275	5175	5075	3175
106	22-23 (A)	Harur (A)	4850.00		4850	4850	4850	4850	4850	4650
107	22-23	Kaveripattinam (2)	5000.00		5000	5000	5000	5000	5000	5000
108	22-23	Kadathur	5050.00		5050	5050	5050	5050	5050	5050
109	22-23	Naravarikuppam (2)	5230.00		5230	5230	5230	5230	5230	5230
110	22-23 (A)	Pillanallur	5291.00		5291	5291	5291	5291	5291	3591
111	22-23	B.Mallapuram	5300.00		5300	5300	5300	5300	5300	5300
112	22-23	Marandahalli	5400.00		5400	5400	5400	5400	5400	5400
113	22-23	Pennagaram	5400.00		5400	5400	5400	5400	5400	5400
114	22-23 (A)	Uthiramerur	5573.00		5573	5573	5573	5573	5573	5573

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimated (Cu.m)	Legacy waste 100% biominer (Cu.m)	Under process (Balance Waste) (Cu.M)					
115	22-23	Mallur	5747.00		5747	5747	5747	5747	5747	5347
116	18-19	Thammampatti	5782.00		5782	5782	5782	5782	5782	5782
117	22-23	Aduthurai	5788.00		5788	5788	4988	4988	4588	3211
118	22-23 (A)	Vennandhur	5876.00		5876	5876	5876	5876	5876	5876
119	22-23 (A)	Nilakottai	5975.27		5975	5975	5975	5975	5975	5975
120	22-23 (A)	Keeranur	5994.10		5994	5994	5994	5994	5994	5994
121	22-23 (A)	Sholavandan	6000.00		6000	6000	6000	6000	6000	6000
122	22-23 (A)	Kannamangalam	7400.00		7400	7400	7400	7400	7400	7400
123	22-23	Batlagundu (2)	8000.00		8000	8000	8000	8000	8000	6950
124	22-23	Thirupporur	8022.00		8022	8022	7512	6572	6322	6322
125	22-23 (A)	Kurinjipadi	8298.43		8298	8298	8298	8298	8298	8298
126	22-23	Sarkarsamakulam	8365.00		8365	8365	8365	8365	8365	8365
127	22-23 (A)	Pallipet	8430.00		8430	8430	8430	8430	8430	8430
128	22-23 (A)	Kalavai	8500.00		8500	8500	8500	8500	8500	8500
129	22-23 (A)	Uthukuli	8500.00		8500	8500	8500	8500	8500	8500
130	22-23 (A)	Eruvadi	8556.00		8556	8556	8556	8556	8556	8556
131	22-23 (A)	Alangudi	9142.00		9142	9142	9142	9142	9142	9142
132	22-23	Attayampatty	27665.00		27665	27665	27665	27665	27665	24665
133	22-23 (A)	Vadakkuvalliyoor	9200.00		9200	9200	9200	9200	9200	9200
134	22-23 (A)	Konganapuram	9349.00		9349	9349	9349	9349	9349	9349
135	22-23 (A)	Pothanur	9568.00		9568	9568	9568	9568	9568	9068
136	22-23	Mecheri	9628.00		9628	9628	9628	9628	9628	7878
137	22-23	Jalagandapuram	9650.00		9650	9650	9650	9650	9650	9650
138	22-23	Thirupuvanam (Svg)	9900.00		9900	9900	9900	9900	9900	9900
139	22-23 (A)	Kallidaikurichi	9981.47		9981	9981	9981	9981	9981	9981
140	22-23	Kottur	10416.00		10416	10416	10416	10416	10416	10416
141	22-23	Uthangarai	10950.00		10950	10950	10950	10950	10950	10940
142	22-23 (A)	Chetpet	11581.00		11581	11581	11581	11581	11581	11581
143	22-23	Kolathur	12013.00		12013	12013	12013	12013	12013	10913

Sl. No.	Year	Name of the Town Panchayat	Legacy waste estimated (Cu.m)	Legacy waste 100% biomined (Cu.m)	Under process (Balance Waste) (Cu.M)					
144	22-23	Natham	12400.00		12400	12400	12400	12400	12400	12400
145	22-23	Vedasandur	13212.00		13212	13212	13212	13212	13212	13212
146	22-23 (A)	Vettavalam	13600.00		13600	13600	13600	13600	13600	13600
147	22-23	Andipatti	15337.00		15337	15337	15337	15337	15337	15337
148	22-23	Tirukalukundram	14313.00		14313	14313	14313	14313	14313	14313
149	22-23	Palacode	18135.00		18135	18135	18135	18135	18135	18135

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 : July 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	14 (9 STP + 5 FSTP)	-
1b	Treatment Capacity (in MLD)	26.77 MLD +0.104 MLD	-
2	Capacity Utilization of existing STPs (MLD)	15.424 MLD	-
3	MLD of sewage being treated through Alternate Technology	3 MLD	-
4	Gap in Treatment Capacity in MLD	399.516 MLD	24.86 MLD
5	No. of Operational STPs/FSTPs	9 + 5	-
6	No. of Complying STPs/FSTPs	9 + 5	-
7	No. of Non-complying STPs	-	-
	Details of Under construction Sewage Treatment Plant:		
1	STP -Number	2	-
2	STP Capacity (MLD)	12.52	-
3	FSTP -Number	5	-
4	FSTP -capacity (MLD)	0.065	-
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	-	27
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 construction 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 July 2023 - Prepared By CTP _CMA/GCC/CTP/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	7619			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 - 9 nos / Pyrolysis - 10 nos			-		
	Details of MSW treatment facilities under construction (capacity, TPD)	Incinerators - (50 TPD) / Pyrolysis - (1 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		



DDLABS AEL <tnpcbprs@gmail.com>

SBM(G)-'NGT O.A.673-July 2023-REPORT SENT REG

1 message

DRD&PR Chennai- TN <tnsbmg@gmail.com>
To: DDLABS AEL <tnpcbprs@gmail.com>

Fri, Aug 25, 2023 at 4:04 PM

Please see the attachment



NGT O.A.673-July 2023.doc
28K

Rural Development and Panchayat Raj.
National Mission for Clean Ganga
Format for submission of Monthly Progress Reporting the NGT Matter OA
No. 673 of 2018 (in compliance to NGT order dated 24.09.2020) for the
Month of July-2023

Overall status of the State:

- I. Total Population: Rural Population separately: 4,84,16,857
 II. Estimated Sewage Generation (MLD):1130

III. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	State	PRS
1	Existing no. of STPs and Treatment Capacity (in MLD)	-	-
2	Capacity Utilization of existing STPs	-	-
3	MLD of sewage being treated through Alternate technology	954	1.56
4	Gap in Treatment Capacity in MLD(Grey water)	175	0
5	No. of Operational STPs	-	-
6	No. of Complying STPs	-	-
7	No. of Non-complying STPs	-	-

**174.44 MLD of gap will be addressed by construction of individual soakpits and constructed wetlands in Phased manner in phased manner.

Details of each existing STP in the State& PRS

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

Details of under construction STPs in the State& PRS

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

Details of proposed STPs in the State& PRS

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

Details of proposed STPs in the State

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

IV. Details of Industrial Pollution:

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

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

V. Solid Waste Management:

- Total number of Rural Local Bodies and their Population: 12525 Village Panchayats, Population 4,84,16,857
- Current Municipal Solid Waste Generation(**State & PRS**):**1272 TPD &8.30 TPD**
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc(**State & PRS**): **12525&31**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)(**State & PRS**)
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)(**State & PRS**)

- Total no. of Village Panchayats, no. of Village Panchayats having door to door collection service, no. of Village Panchayats practicing segregation at source **(State & PRS): 12525 Village Panchayats & 31 Village Panchayats.**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) **(State & PRS) MCC – 287&1 (proposed)**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills- nil
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers- nil
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers.

Status of ULB wise Management of Solid Waste

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

VI. Bio-medical Waste Management:

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

VII. Hazardous Waste Management:

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

VIII. Plastic Waste Management:

- Total Plastic Waste generation (State & PRS):
- Treatment/ Measures adopted for reduction or management of plastic waste: Total 213 Plastic Waste Management Units are functioning in all 37 Districts and additionally 1 Plastic Shredding units per Block will be provided under SBM (G). So far around 1, 70,243 kg of Plastic Waste shredded through the functional shredding units.

- IX. Details of Alternate Treatment Technology being adopted by the State/UT
- X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on *Insitu* treatment:
- XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT:
- XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
- XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
- XIV. Ground water regulation:
- XV. Good irrigation practices being adopted by the State:
- XVI. Rain Water Harvesting:
- XVII. Demarcation of Floodplain and removal of illegal encroachments:
- XVIII. Maintaining minimum e-flow of river:
- XIX. Plantation activities along the rivers:
- XX. Development of biodiversity park:
- XXI. Reuse of Treated Water:
- XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
- XXIII. Status of Preparation of Action Plan by the 13 Coastal States:
- XXIV. Regulation of Mining Activities in the State/UT:
- XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring.



DDLABS AEL <tnpcbprs@gmail.com>

NGT 673-2018-Six polluted river stretches- Monthly progress report for the month of July 2023 - Furnished - Regarding.

1 message

CE GROUNDWATER <cegwchennai@gmail.com>

Fri, Aug 25, 2023 at 2:50 PM

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

--
Sir,
Kindly download the attached file.

for Chief Engineer, SG&SWRDC

7 attachments**MPR for July -23_Bhavani river.docx**
22K**MPR for July -23 Thamirabarani river.docx**
25K**MPR for July- 23_ Vasista river.docx**
20K**MPR for July -23_Thirumanimutharu river.docx**
21K**MPR for July -23_Sarabanga river.docx**
22K**MPR for July -23_Cauvery river.docx**
23K**NGT 673-2018-Six polluted river stretches-Monthly progress report for the month of July 2023.pdf**
6012K



DDLABS AEL <tnpcbprs@gmail.com>

NGT 673-2018-Six polluted river stretches- Monthly progress report for the month of July 2023 - Furnished - Regarding.

1 message

CE GROUNDWATER <cegwchennai@gmail.com>

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

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6012K

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) Dept Dt: 21.06.2017 for an amount of Rs.107.09 crores. Kudimaramath woks Vide G.O (Ms).No.98PW (W1) Dept/Dt: 22.04.2020 for an amount of Rs. 16.365 Crores. Is carried out in Tirunelveli and Thoothukudi Districts.

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
7	4	Barrages 3 nos 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, 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 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 **490.44 cusecs** of water is released into the river in the month of **July 2023** 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 Tamil Nadu.

(Sd/-) Er. S. Prabakaran, 25.08.23.
Chief Engineer (SG & SWRDC).
Tharamani, Chennai -113

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

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 168 to 2006 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.

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 **July 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 **3146.08 Mcft.** (including Irrigation purpose) was maintained in the river Bhavani during the month of **July 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.

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 310 to 1765 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 215 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 304 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, Parivilagam and Koothur 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 **July 2023** an E Flow of **0.938** 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.

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.