



TAMIL NADU POLLUTION CONTROL BOARD

From The Member Secretary Tamil Nadu Pollution Control Board, Guindy Chennai-600 032.	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/DDL/F-6849/PRS-MPR/2019/dated:19.10.2022.

Madam,

Sub: TNPCB-Submission of Revised Monthly Progress Report for the month of **August 2022** -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/DDL/F.6849/PRS/2019 Dt : 19.09.2022

With reference to the Government letter 1st cited, I submit monthly progress report on action plans for the Polluted River Stretches for the month of **August 2022** in Tamil Nadu for kind perusal.

I request that the above report may 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


for Member Secretary


21/10/22

Advance copy submitted to:

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

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Format for Submission of Monthly Progress Report by the State of

Tamil Nadu

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

August 2022

Sl. No.	Progress report submitted by department	Enclosures
1.	• Commissionerate of Municipal Administration (DMA), • Chennai Metro water Supply & Sewage Board (CMWSSB), and • Greater Chennai Corporation (GCC)	Enclosed vide Annexure –I
2.	Director of Town Panchayat (DTP)	Enclosed vide Annexure –II
3.	Directorate Rural Development & Panchayat Raj	Enclosed vide Annexure- III
4.	Public Works Department PWD&WRD	Enclosed vide Annexure –IV
5.	Tamil Nadu Pollution Control Board	Enclosed vide Annexure –V

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

Month: AUGUST 2022

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)	83 1770.63	14 298.38
2.	Existing No. of FSTP and Capacity (in MLD)	26 0.754	6 0.06
	Total	1771.384	102.03
3.	MLD of sewage being treated through Alternate technology	752	1.56
4.	Under Construction STPs (MLD)	868.67	67
5.	Gap in Treatment Capacity in MLD	546.24	33.47
6.	Capacity Utilization of existing STPs & FSTPs	1009.17	142.41
7.	No. of Operational STPs	83	14
8.	No. of Complying STPs	83	14
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.	Nesapakkam Zone –IV	23	16.69	Operational	Complied
2.	Koyambedu Zone – III	34	33.65	Operational	Complied
3.	Kodungaiyur Zone II	80	68.03	Operational	Complied
4.	Kodungaiyur Zone I	80	69.32	Operational	Complied
5.	Perungudi Zone - V	12	10.09	Operational	Complied

6.	Koyambedu Zone - III	60	-	Rehabilitation	Complied
7.	Kodungaiyur Zone I& II	110	86.23	Operational	Complied
8.	Nesapakkam Zone –IV	40	24.65	Operational	Complied
9.	Perungudi Zone-V	54	52.09	Operational	Complied
10.	Perungudi Zone-V	60	57.38	Operational	Complied
11.	Nesapakkam Zone –IV	54	46.47	Operational	Complied
12.	Koyambedu Zone – III	120	100.65	Operational	Complied
13.	Sholinganallur	18	12.95	Operational	Complied
Total (13 Nos)		745	578.20	.	
DMA					
14.	Coimbatore- 1	70.0	35.0	Operational	Complied
15.	Coimbatore- 2	60.0	6.0	Operational	Complied
16.	Vellore	10.28	8.0	Operational	Complied
17.	Dindigul	13.65	3.0	Operational	Complied
18.	Avadi	36.0	6.0	Operational	Complied
19.	Avadi	4.0	1.0	Operational	Complied
20.	Madurai-1	125.0	24.0	Operational	Complied
21.	Madurai-2	45.70	15.0	Operational	Complied
22.	Thanjavur	28.05	14.15	Operational	Complied
23.	Tiruppur	15.0	8.50	Operational	Complied
24.	Cuddalore	12.25	6.70	Operational	Complied
25.	Kanchipuram	14.70	14.70	Operational	Complied
26.	Maraimalai Nagar	2.20	2.20	Operational	Complied
27.	Tiruvallur	6.20	5.50	Operational	Complied
28.	Chidambaram	9.44	6.10	Operational	Complied
29.	Thiruvannamalai	8.70	4.75	Operational	Complied
30.	Viluppuram – Kakuppam	9.0	7.0	Operational	Complied

31.	Viluppuram -Erumanthangal	3.50	1.80	Operational	Complied
32.	Arakkonam	11.04	2.0	Operational	Complied
33.	Thirupathur	11.43	3.0	Operational	Complied
34.	Bodinayakkanur	12.08	4.0	Operational	Complied
35.	Chinnamanur	3.99	3.72	Operational	Complied
36.	Periyakulam	5.47	4.0	Operational	Complied
37.	Ramanathpuram	7.0	5.80	Operational	Complied
38.	Rasipuram	6.96	3.30	Operational	Complied
39.	Theni-Allinagaram	12.05	9.50	Operational	Complied
40.	Sivagangai	4.92	2.0	Operational	Complied
41.	Dharmapuri	4.86	3.50	Operational	Complied
42.	Karur	15.0	5.63	Operational	Complied
43.	Krishnagiri	12.34	8.0	Operational	Complied
44.	Namakkal	5.0	5.0	Operational	Complied
45.	Nagapattinam STP-1	9.63	4.40	Operational	Complied
46.	Nagapattinam STP-2	2.69	1.10	Operational	Complied
47.	Tiruvarur	6.92	4.10	Operational	Complied
48.	Ariyalur	4.16	1.50	Operational	Complied
49.	Pudukkottai	10.62	6.0	Operational	Complied
50.	Perambalur	4.20	3.60	Operational	Complied
51.	Udhagamandalam	5.0	4.0	Operational	Complied
52.	Udumalaipet	7.81	4.0	Operational	Complied
53.	Virudhunagar	7.65	3.80	Operational	Complied
54.	Tambaram	30.0	3.0	Under trial run	Complied
55.	Tuticorin	28.0	4.50	Under trial run	Complied

56.	Thiruchendur	3.90	1.80	Operational	Complied
57.	Ulunderpettai	3.15	1.0	Under trial run	Complied
58.	Pollachi	11.25	0.65	Under trial run	Complied
59.	Sattur	4.65	1.50	Under trial run	Complied
60.	PRS -Tiruchirappalli	58.0	58.0	Operational	Complied
61.	Salem - Vellakuttai STP	13.0	11.0	Operational	Complied
62.	Salem - Anaimeedu STP	6.0	5.0	Operational	Complied
63.	Salem - Mankuttai STP	35.0	8.0	Operational	Complied
64.	Salem - Vandipettai STP	44.0	1.0	Operational	Complied
65.	Tirunelveli	24.20	10.0	Operational	Complied
66.	Erode	50.55	27.0	Operational	Complied
67.	Mettur STP-1	0.82	0.354	Operational	Complied
68.	Mettur STP-2	0.92	0.314	Operational	Complied
69.	Mettur STP-3	5.45	2.834	Operational	Complied
70.	Kumbakonam	17.0	12.50	Operational	Complied
71.	Mayiladuthurai	5.85	5.85	Operational	Complied
72.	Sathiyamanagalam	4.08	0.50	Under trial run	Complied
73.	Mettupalayam	8.65	1.0	Under trial run	Complied
	Total - 60 Nos.	998.96	417.15		
	CTP				
74.	Mamallapuram TP	2.34	2.34	Operational	Complied
75.	Orathanadu TP	2.30	1.60	Operational	Complied
76.	Palanichettyatti TP	2.80	2.08	Operational	Complied
77.	Thirumazisai TP	3.0	1.80	Operational	Complied
78.	Velankanni TP	2.33	1.0	Operational	Trial Run
79.	Manachanallur TP	6.41	2.0	Operational	Trial Run
80.	S. kannanur TP				

81.	Vallam TP	2.35	1.0	Operational	Trial Run
82.	Perundurai TP	3.14	1.0	Operational	Trial Run
83.	Melachokanathapuram TP	2.0	1.0	Operational	Trial Run
	Total (10 Nos)	26.67	13.82		
	Grand Total (83 Nos.)	1770.63	1009.17		

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	99	Operation	Complied

21	Srivilliputhur	0.03	0.03	Operation	Complied
	Total 21 FSTPs	0.65	0.65		
	CTP				
22.	Karunguzhi	0.024	0.024	Operation	Complied
23.	Periyanaikanpalayam	0.03	0.03	Operation	Complied
24.	Chengam TP	0.020	0.020	Operation	Trial run
25.	Alangayam TP	0.015	0.015	Operation	Trial run
26.	Mudukulathur	0.015	0.015	Operation	Trial run
	Total (5 Nos)	0.104	0.104		
	Grand Total (26Nos)	0.754	0.754		

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	Sholinganallur	54	90.50	May 2023 (36 +18) 18 MLD trial run work under progress	
2	Thiruvottriyur	31	100	Trial run, Improvement & additional works in progress.	
3	Kodungaiyur Zone - I	120	75.45		Dec 2022
4	Kodungaiyur Zone - II	120	87.92		Dec2022
5	Nesapakkam Zone - IV	50	81.0		Dec 2022
6	Perungudi Zone - V	60	57.89		Dec 2022
7	Nesapakkam TTUF	10	100.0		Trial run & commissioning under progress.
8	Perungudi TTUF	10	72.50		Jan 2023
9	Chennai River Restoration Trust (CRRT),Chetpet MSTP	1.0	100.0		Completed & commissioned
10	CRRT, Nungambakkam MSTP	1.2	83.50		Dec 2022
11	CRRT, Langs Garden MSTP	10	55.0		Dec 2022
12	CRRT, Todd Hunter Nagar MSTP	0.4*10= 4	98.0		Sep 2022
13	CRRT, Kotturpuram MSTP	0.3*2= 0.6	100.0		Completed & commissioned
Total (13 Nos.)		471.80			

DMA					
14	Ambur	16.71	36		March -23
15	Coimbatore - Nanjudapuram	40.0	97	-	Sep -22
16	Coimbatore – Kuruchi&kuniyamuthur	30.53	99	-	Dec-22
17	Karaikudi	16.0	95	-	Sep-22
18	Nagercoil	17.66	92	-	Sep-22
19	Rajapalayam	21.85	90	-	Dec-22
20	Rameshwaram	4.08	42	-	March-23(Court case dismissed on 27.06.2022 and work commenced)
21	Tiruppur(Expansion of existing)	15.0	90		Oct-22
22	Tiruppur(Sarkarperipalayam)	36.0	97		Oct-22
23	Tiruppur(Chinnandipalayam)	20.0	97	-	Oct-22
24	Vellore	50.0	85	-	Jan-23
25	Ponneri	6.52	16		Nov-22
26	Tindivanam	11.44	Preliminary works started		Dec-23
27	Villupuram Added Area	4.56			Dec-23
28	Pammal & Anagaputhur	27.0	Layout finalized & work commenced		Mar-23
29	Tiruchirapalli-STP-1	30.0	52	-	Desilting & Deepening of ponds, bund trimming work completed & now the work was stopped from 19.05.2021. It is proposed to integrated STP of 100 MLD with technology to meet TNPCB norms.
30	Tiruchirapalli-STP-2	37.0	90	-	Nov -22
Total 17		384.35			
CTP					
31	Sriperumbudur TP	8.50	95	5480/6000	31.07.2023
32	Thiruporur TP	4.02	93.50	3936/4479	30.09.2022
	Total (2Nos)	12.52			
	Grand Total (32Nos)	868.67			

Details of under construction FSTPs in Tamil Nadu

Sl.No.	Location	Capacity of the plant (MLD)	Physical Progress in %	Completion Timeline
	DMA			
1	Koothanallur	0.02	95	Sep-22
2	Kulithalai	0.02	77	Sep-22
3	Padmanabhapuram	0.02	71	Oct-22
4	Virudhachalam	0.04	72	Sep- 22
5	Sirkali	0.02	85	Sep-22
6	Vedaranyam	0.02	85	Sep -22
7	Cumbum	0.04	95	Sep-22

8	Aranthangi	0.02	76	Sep-22
9	Thiruthuraipoondi	0.01	93	Sep-22
10	Puliangudi	0.04	85	Sep-22
11	Chengalpattu	0.02	68	Sep-22
12	Attur	0.04	73	Oct-22
13	Walajapet	0.03	32	Oct-22
14	Sivakasi	0.04	30	Dec-22
15	Keelakarai	0.02	42	Sep-22
16	Gudalur	0.02	60	Oct-22
17	Coonoor	0.01	70	Oct-22
18	Jayamkondan	0.02	75	Sep- 22
19	Vaniyambadi	0.03	20	Dec – 22
20	Kuzhithurai	0.04	50	Dec – 22
	Total 20	0.52		
CTP				
21	Jalakandapuram TP	0.015	98	31.10.2022
22	Pennagaram TP	0.015	95	31.10.2022
23	Kaveripattinam TP	0.015	95	31.09.2022
24	Kurumbalur TP	0.010	90	31.09.2022
25	Pennadam TP	0.010	85	30.09.2022
	Total (5 Nos)	0.065		
	Grand Total (25Nos)	0.585		

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	7.50	Retender stage	
2	Tirunelveli	10.0		
3	Musiri		DPR Stage	
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			
	Total (10 Nos.)			
	CTP		Status of Project	Remarks
11	Sirugamani TP		DPR Stage	DPR is under preparation by WAPCOS / PWD.
12	Mohanur TP		DPR Stage	

13	Velur TP		DPR Stage	
14	Bhavani sagar TP		DPR Stage	
15	Sirumugai TP		DPR Stage	
16	Madathukulam TP		DPR Stage	
17	Omalur TP		DPR Stage	
18	Poolampatty TP		DPR Stage	
19	Kuthalam TP		DPR Stage	
20	Thirukattupalli TP		DPR Stage	
21	Thiruvaiyaru TP		DPR Stage	
22	Pethanaickenpalayam TP		DPR Completed	Final DPR received on 15.02.2022. DPR is under scrutiny.
23	Yethapur TP		DPR Stage	
24	Belur TP		DPR Stage	
25	Srivaikundam TP		DPR Stage	
26	Authoor TP		DPR Stage	
27	Eral TP		DPR Stage	
28	Alwarthirunagari TP		DPR Stage	
29	Then Thirupera TP		DPR Stage	
30	Arumuganeri TP		DPR Stage	
31	Mukkudal TP		DPR Stage	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 process to commence the field works.
32	Gopalamudram TP		DPR Stage	
33	Kallidaikurichi TP		DPR Stage	
34	Cheranmahadevi TP		DPR Stage	
35	Veeravanallur TP		DPR Stage	
36	Patthamada TP		DPR Stage	
37	Mela Seval TP		DPR Stage	
38	Naranammalpuram TP		DPR Stage	
	Total (28Nos)			
	Grand Total 38 Nos			

Details of Proposed FSTPs in Tamil Nadu

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

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. (87.35 MLD). 35 CETPs in operation:1 No is closed.	Proposed – 10 Nos., Capacity 41 MLD. Note: No member unit is in operation without ZLD system.
		Under Construction 1 CETP at Kanchipuram (members 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	Ranipet Tannery CETP - Ranipet	1	82	3600	Operation	Complied
9	Ranipet SIDCO Finished Leather CETP -Ranipet	1	79	1875	Operation	Complied
10	SIPCOT & SIDCO Phase 11 Entrepreneur Finished Leather CETP - Ranipet	1	20	700	Operation	Complied
11	Vishram Tanners Enviro Control systems Pvt Ltd CETP – 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

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	Angari palayam CETP – Tiruppur	1	29	9000	Operation	Complied
19	Kunnagalpalayam CETP- Tiruppur	1	12	2585	Operation	Complied
20	Murugam palayam CETP-Tiruppur	1	18	7177	Operation	Complied
21	Andi palayam CETP- Tiruppur	1	60	1911	Operation	Complied
22	Kasi palayam CETP- Tiruppur	1	28	3520	Operation	Complied
23	Mannarai CETP- Tiruppur	1	69	3748	Operation	Complied
24	Veerapandi CETP- Tiruppur	1	4	10758	Operation	Complied
25	Park CETP - Tiruppur	1	17	2250	Operation	Complied
26	Arulpuram CETP- Tiruppur	1	23	4950	Operation	Complied
27	Sri pulavapatti CETP- Tiruppur	1	12	4500	Operation	Complied
28	Kalli kadu CETP- Tiruppur	1	8	2700	Operation	Complied
29	Velluva palayam CETP- Tiruppur	1	15	195	Operation	Complied
30	Mangalam CETP- Tiruppur	1	15	2485	Operation	Complied
31	Karai pudur CETP- Tiruppur	1	19	2681	Operation	Complied
32	Rayapuram CETP- Tiruppur	1	25	4950	Operation	Complied
33	Chinnakari CETP- 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 CETPs 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 establishing M/S Peraringnar Anna Handloom Silk Park Ltd, Kanchipuram and the works are under progress.
2. Closure directions issued to Sivagangai 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	Sree Bhavani Dyeing Cluster Development Limited, Perundurai Taluk, Erode District.	4	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
2.	Perundurai	Kadayampatti CETP Private Limited, Bhavani, Perundurai Taluk, Erode District	6.25	
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	

Sl. No.	Location	Name of CETPs	CETP Capacity (MLD)	Status
6.	Erode	M/s.SuriyampalayamCETP Private Limited, Erode	4.2	units in operation without ZLD system; Other member units are proposed industries only, ie. Green sites only. 3. GOI share is awaited.
7.	Erode	M/s. Green Kalingarayan CETP Private Limited,Erode	5.8	
8.	Erode	M/s. Erode CETP Private Limited (CRMS), Erode.	2.0	
9	Kumarapalayam	M/s. Kumarapalayam Green Cauvery Dyeing Cluster, Kumarapalayam	5.0	
10	Kumarapalayam	M/s. Green Environmental Association, Pallipalayam & Kumarapalayam, 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- 15,173 Note: The MSW of RLB 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	*3682 (DMA-2016 +CTP-1219+ GCC-447) *9585 (DMA-6169+CTP-1448+GCC-1968) 8011 (DMA-5372 +CTP-1448+GCC-1191)	446 1489 1294
4.	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	1. It is proposed to increase the segregation, collection and treatment of MSWs. 2. The non-bio-gradable waste such as plastic wastes, etc. will be segregated and disposed scientifically. 3. Continuous awareness being created for source segregation and fixing target to	

		achieve goal and periodically reviewed.	
5.	No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Existing -2 Nos. of 400 TPD (each) Proposed – 3 Nos. at Coimbatore, Trichy and Madurai.	Nil
6.	Total No. of wards (ULBs) No. of wards having door to door collection service, No. of wards practicing segregation at source	12,997 12,518 11,428	1182 1161 1051
7	Details of MSW treatment facilities proposed and under construction (No., capacity, and technology)	Proposed -10 Nos. (DMA-10). Capacity :36.5 TPD (DMA-36.5)	1 No. 14 TPD
		Under Construction - *109 Nos. (DMA-98+ CTP- 3+GCC-8), Capacity 1527 TPD. (DMA-871+GCC-640, CTP-16) 7 incinerator plants of 35 TPD & 9 pyrolysis plants of 0.9 TPD are completed and are in trial run.	15Nos, 298 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 1,24,79,392 Cum. Total quantity of Legacy Waste biominced upto the month of August 2022 is 78,69,356 Cum (except in 71 ULBs, 100% biomining (31,01,656.1 Cum) has been completed).	
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	29 MSW drains fall into water bodies.	

	solid waste from falling into the rivers	
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Rural Development and Panchayat Raj (RD & PR)

No.	Solid Waste Management	State	PRS
1.	Current Municipal Solid Waste Generation TPD	1965	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	6169	Windrow/Vermi composting, Biogas generation	5372	100 Nos. of MSW treatment facilities are under construction& 10 Nos. of facilities are proposed.
CTP	1805	1573	Pyrolysis, biocomposting.	1573	Incinerators & Pyrolysis are under progress for processing non-recyclable dry waste on cluster basis.
GCC	5850	1191	Windrow/Vermi composting, Bio-gasgeneration	1191	9 Nos. of MSW treatment facilities are under construction.
Total	15173	8933		8136	

VI. Bio-medical Waste Management (BWM):

S.N	BWM	State	PRS
1.	Total Bio-medical generation (TPD)	84.298 T/Day a) Authorised quantity : 84.298 T/Day. b) Average generation : 45 T/day.	10.162 T/Day
2.	No. of Hospitals and	27,598	6166

	Health Care Facilities:		
3.	Status of Treatment Facility/ CBMWTF:	Total -12 Nos. 10- 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 .	

VII. Hazardous Waste Management (HWM)

S.No	Hazardous Waste Management	Tamil Nadu State
1.	Total Hazardous Waste generation	Total : 9.64810 lakhs T/A Recyclable : 1.2081 lakhs T/A Utilizable : 7.30 lakhs T/A Land fillable : 0.90 lakhs T/A Incinerable : 0.24 lakhs T/A
2.	No. of Industries generating HW	4,199 units
3.	Treatment Capacity of all TSDFs	<u>2 Nos. of M/s Tamil Nadu Waste Management Limited (TNWML) Facility :</u> a.TSDF Gummidipoondi : Permitted land fillable hazardous waste in SLF- 1,00,000 T/A Permitted for Incineration of hazardous waste with incinerator of capacity-1.5 T/Hr. b.TSDF Viruthunagar : Permitted land fillable hazardous waste in SLF-2,40,000 T/A
4.	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)	1118	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	STPs / FSTPs are under construction. To bridge the gap STPs / FSTPs proposals are evolved.
2	Vasista	5	
3	Cauvery	39	
4	Thirumanimutharu	7	
5	Bhavani	40	
6	Tamirabarani	20	
	Grand Total	139	

Note : No MSW is discharged into the Polluted River Stretches.

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

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: Environment Monitoring Cell meeting has been conducted by the Additional Chief Secretary to Government of Tamil Nadu, Environment and Forests Department, on 23.12.2020. The Chief Secretary to Government of Tamil Nadu has reviewed the progress on 20.04.2022.

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 August 2022

Sl.No.	Name of the River	No of Monitoring Locations	BOD mg/l
1	Sarabanga	1	*
2	Thirumanimutharu	1	60
3	Vasista	1	*
4	Cauvery	19	< 2-2.6
5	Bhavani	7	< 2
6	Thamirabarani	12	< 2 – 2.9
*Note : Samples not collected due to no flow.			

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 302 mg/l to 1661 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 765 mg/l to 1197 mg/l.
Vasista	The SG&SWRDC is having monitoring wells in Papanaiickenpatti, Yethapur, Athur and Thalaivasal. The TDS value is between 304 mg/l to 1117 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 412 mg/l to 1751 mg/l, at Salem the water quality varies between 384 to 2967 mg/l, at Namakkal the TDS exceed even 5000 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 6000 mg/l

Bhavani	The general distribution of ground water quality varies between Good to moderate level. Especially Nilgiris is having good quality water.
Thamirabarani	The collected water quality data of Cheranmadevi, Thiruvudaimaruthur, 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. In the Tamirabarani basin, 9 illegally operating firms have been sealed and closed.
Thirumanimutharu	
Vasista	
Cauvery	
Bhavani	A Comprehensive Groundwater (Management and Development) Act, to regulate and manage the extraction of Groundwater is under active consideration of the Government of Tamil Nadu. The draft act has been approved by the high level technical committee headed by the Chief Secretary. Further
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.107.09 crores. 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	28	4-Check dams 15 - Recharge shafts	--
Thamirabarani	7	4	Total - 230 works. Barrages 3 Nos.—Rs.230 Crores. Artificial Recharge well 221 Nos, Recharge shaft 4 Nos. -Rs. 88.496Crores.
Total	106	35	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 in January 2021. The draft DPR at a cost of Rs.2.0 Cr prepared by WAPCOS for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and is under the scrutiny of PWD. Encroachment if any is identified in the survey will be evicted and other management works will be completed and rehabilitation and resettlement will be done.
Thirumanimutharu	
Vasista	No Flood plains zones/encroachment have been identified.
Cauvery	Drone Survey completed by WAPCOS in January 2021. The draft DPR at a cost of Rs.20.0 Cr prepared by WAPCOS for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and is under the scrutiny of PWD. Encroachment if any is identified in the survey will be evicted and other management works will be completed and rehabilitation and resettlement will be done.

Bhavani	a.Drone Survey completed by WAPCOS in January 2021. The draft DPR at a cost of Rs. 2.0 Cr prepared by WAPCOS for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and is under the scrutiny of PWD. b.55 Nos of encroachments are to be removed belong to fishing community. Recommendations for alternate land has been sent to Secretary to Government, Revenue department by Commissioner for Revenue administration vide letter No F.2/41632/2005/Dt.15.2.2006.																				
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 Thamirabarani . b. In Tirunelveli Corporation, ProsopisJuliflora on the river stretches for a length of 10km from Vilagam to Naranammalpuram river bridge were removed at a cost of 140.00 lakhs vide GO(2D) No. 14 PW (P2) Dept Dated 8.03.2019 to restore the River course for a free flow of flood water. c. In River Banks of the Thamirabarani, the following encroachments were identified by Public works department. Eviction notices issued by Govt. <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																	

XVIII. 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 for which a draft DPR has been prepared by M/s. WAPCOS, submitted and is under the scrutiny of PWD. 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 for which a draft DPR has been prepared by M/s. WAPCOS, submitted and is under the scrutiny of PWD. 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. 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 August 2022 an E Flow of 7.166 TMC was maintained.
Bhavani	An E flow of 2,42,163 cusecs (including Irrigation purpose) was maintained in the river Bhavani during the Month of August 2022.
Thamirabarani	An average of 862.02 cusecs of water is released into the river in the month of August 2022 to ensure minimum environmental flow.

XVIII.Plantation activities along the rivers-PWD

Name of the River	Plantation activities along the Rivers
Sarabanga	DPR is prepared and under scrutiny by PWD for planting 32,400 Nos. of tree saplings.

Thirumanimutharu	DPR is prepared and under scrutiny by PWD for planting 42,000 Nos. of tree saplings.
Vasista	There is no proposal at present.
Cauvery	DPR is prepared and under scrutiny by PWD for planting 1,44,500 Nos. of tree saplings.
Bhavani	DPR is prepared and under scrutiny by PWD for planting 86,500 Nos. of tree saplings.
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	Drone Survey has been completed by M/s.WAPCOS in January 2021. A draft DPR prepared by M/s.WAPCOS has been submitted and the scrutinization of DPR is done and finalization of DPR will be completed by the end of this month.
Thirumanimutharu	
Vasista	There is no proposal at present.
Cauvery	Drone Survey has been completed by M/s.WAPCOS in January 2021. A draft DPR prepared by M/s.WAPCOS has been submitted and scrutinization of DPR is done and finalization of DPR will be completed by end of this month.
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. <u>Rejuvenation of River Thamirabarani</u> :A DPR for rejuvenation of River Thamirabarani and its tributaries have been prepared for Rs.1024 Crores by the environment 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 Govt. of TamilNadu.

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 of treated waste water on a

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

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

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: River Bhavani.

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,instructed the Department of Environment for preparation of action plan for the coastal and marine pollution. Now, quotations have been called for from various institutions to prepare action plans for polluted Coastal- marine stretches.

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).

XXV. IDOL IMMERSION :

The Government of Tamil Nadu in view to maintain public peace, tranquility, public safety, regulation of traffic and control of pollution due to immersion of idols in Rivers notified guidelines

in Government gazette and was published on 09.08.2018. Awareness programmes were conducted through District Collectors in all the District headquarters and towns requesting the public to:

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

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

- a) The Government of Tamil Nadu have issued orders vide G.O. MS No.765 public (law and order) Department date 30.08.2021 to obey the Hon'ble Supreme Court orders in case No.11366/2020, 11467/2020, etc., regarding idols immersions and celebrations of festivals.
- b) The Tamil Nadu Pollution Control Board published idols immersion locations district wise. Guidelines of Central Pollution Control Board, Ministry of Environment and Forests, Department May 12th 2020 notification have been published in local news papers 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.

**Gist of Report on the progress made on the Polluted River Stretches
Tamil Nadu State
Month: August 2022.**

Sl.. No.	Details of works	Action taken
1	Polluted River Stretches identified	Priority-I River Cauvery, Sarabanga river, Vasista river and Thirumanimutharu river; Priority - IV Bhavani river & Priority V Tamiraparani river.
2	Sewage Generation	3938.29 MLD in Tamil Nadu.
3.a.	Existing STPs	There are 83 STPs in operation with treatment capacity of 1770.63 MLD and 26 FSTPs of 0.754 MLD capacity. In addition, 752 MLD of sewage is treated using alternate technologies.
b.	Under construction STPs	32 STPs (868.67 MLD capacity) and 25 FSTPs (0.585 MLD capacity) are under construction and they are at various stages of implementation. Incremental increase of 0.21 to 13.77 % has been achieved during August 2022 in the under construction projects of STPs and the details are furnished as annexure-1 .
c.	Proposed STPs:	38 STPs are proposed to fill the gap of treatment of sewage.
4 a.	Existing MSW treatment :	a) Generation - 15173 TPD . b) Treatment capacity - 9585 TPD (annexure-2)
b	Under construction MSW Facilities:	110 MSW facilities are being constructed to a capacity of 1532 TPD .
c.	Proposed MSW Facilities	10 Nos. of facilities are proposed to a capacity of 36.50 TPD .
d	Bio -mining	a) Generated- 1,24,79,392 Cum. b) Treated – 1,09,71,012.1 Cum.

		Total quantity of Legacy Waste biominced upto the month of August 2022 is 78,69,356 Cum (except in 71 ULBs in which 100% biomincing 31,01,656.1 Cum has been completed).
5 a.	Existing CETPs	There are 36 CETPs existing in the State with a capacity of 87350 KLD. Out of the 36 CETPs, 35 CETPs are in operation, one CETP (Kanchipuram) has been closed for non-compliance of Board orders. Closure directions issued to Sivagangai CETP for not providing OCEMS by the TNPCB. The CETP has obtained stay order from the Hon'ble High Court of Madras (Madurai bench).
b.	Proposed CETPs :	Along the polluted river stretches, 10 CETPs of 41 MLD are proposed for dyeing units and they are under proposal stage. The DPRs have been forwarded to the Ministry of Textiles, Govt. of India for funding during 2017-2021 and fund is awaited.
6.	Biomedical waste management	a) No of units - 27,598. b) Authorised quantity of BMW - 84.298 T/Day c) Average generation during August 2022 – 45 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:	The Government of Tamil Nadu issued orders to Director of Environment, Government of Tamil Nadu, vide G.O.MS No.64 Environment and Forest (EC.2) Department dated 03.10.2020 to prepare action plans. Quotations called for from various agencies to prepare action plans from Tamil Nadu Pollution Control Board..

9	Water Quality in Polluted River Stretches August 2022 <table><tr><th>Sl. No.</th><th>Name of the River</th><th>No. of Monitoring Locations</th><th>BOD mg/l</th><th>Standards</th></tr><tr><td>1</td><td>Sarabanga</td><td>1</td><td>*</td><td rowspan="6">BOD < 3 mg/l</td></tr><tr><td>2</td><td>Thirumanimutharu</td><td>1</td><td>60</td></tr><tr><td>3</td><td>Vasista</td><td>1</td><td>*</td></tr><tr><td>4</td><td>Cauvery</td><td>19</td><td>< 2 - 2.6</td></tr><tr><td>5</td><td>Bhavani</td><td>7</td><td>< 2</td></tr><tr><td>6</td><td>Thamirabarani</td><td>12</td><td>< 2 - 2.9</td></tr><tr><td colspan="5">*Note samples not received</td></tr></table>	Sl. No.	Name of the River	No. of Monitoring Locations	BOD mg/l	Standards	1	Sarabanga	1	*	BOD < 3 mg/l	2	Thirumanimutharu	1	60	3	Vasista	1	*	4	Cauvery	19	< 2 - 2.6	5	Bhavani	7	< 2	6	Thamirabarani	12	< 2 - 2.9	*Note samples not received				
Sl. No.	Name of the River	No. of Monitoring Locations	BOD mg/l	Standards																																
1	Sarabanga	1	*	BOD < 3 mg/l																																
2	Thirumanimutharu	1	60																																	
3	Vasista	1	*																																	
4	Cauvery	19	< 2 - 2.6																																	
5	Bhavani	7	< 2																																	
6	Thamirabarani	12	< 2 - 2.9																																	
*Note samples not received																																				
	Reuse of treated water 87.0 MLD of industrial effluent is treated and reused. 80.50 MLD of Sewage is treated and reused for agricultural and industrial purposes.																																			
11	Maintenance of ground and surface water quality – 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: 106 existing RWH structures along the PRS are provided; 35 Nos. are under progress and 283 Nos. of recharging wells and check dams are proposed. e. Demarcation of flood plain zones and removal of encroachments: In the PRS for demarcation of flood plain zones and removal of encroachments drone surveys are proposed for which DPR is under preparation. f. E-flow: It will be maintained in the rivers of Sarabanga, Thirumanimutharu, Vasista after completion of STPs. In the rivers of Cauvery, Bhavani and Tamiraparani E- flow is being maintained.																																			

Annexure- 1
INCREMENTAL PROGRESS OF STPs UNDER CONSTRUCTION

Sl.No	Location	Capacity (MLD)	% of Completion		Incremental Progress %
			July 22	August 22	
	CMWSSB				
1.	Sholinganallur STP (Phase II)	54	90	90.50	0.55
2.	Kodungaiyur Zone - I	120	73.95	75.45	1.99
3.	Kodungaiyur Zone - II	120	87.0	87.92	1.05
4.	Nesapakkam Zone - IV	50	80.08	81.0	1.14
5.	Perungudi Zone - V	60	56.53	57.89	2.35
6.	Perungudi TTUF	10	71.0	72.50	2.07
7.	CRRT, Nungambakkam MSTP	1.2	72.0	83.50	13.77
8.	CRRT, Langs Garden MSTP	10	47.50	55.0	13.64
9.	CRRT, Todd Hunter Nagar MSTP	0.4*10= 4	95.0	98.0	3.06
	DMA				
10.	Ambur	16.71	36	36	-
11.	Coimbatore - Nanjudapuram	40.0	97	97	-
12.	Coimbatore – Kuruchi & kuniyamuthur	30.53	99	99	-
13.	Karaikudi	16.0	95	95	-
14.	Nagercoil	17.66	92	92	-
15.	Rajapalayam	21.85	90	90	-
16.	Rameshwaram	4.08	42	42	-
17.	Tiruppur (Expansion of existing)	15.0	90	90	-
18.	Tiruppur (Sarkarperipalayam)	36.0	97	97	-
19.	Tiruppur (Chinnandipalayam)	20.0	97	97	-
20.	Vellore	50.0	85	85	-

21.	Ponneri	6.52	16	16	-
22.	Tindivanam	11.44	Preliminary works started		-
23.	Villupuram Added Area	4.56			-
24.	Pammal & Anagaputhur	27.0	Layout finalized & work commenced		-
25.	Tiruchirapalli-STP-1	30.0	52	52	-
26.	Tiruchirapalli-STP-2	37.0	90	90	-
	CTP				
27	Sriperumbudur TP	8.50	92	95	3.16
28	Thiruporur TP	4.02	93.30	93.50	0.21

Details of under construction FSTPs in Tamil Nadu

Sl.No	Location	Capacity (MLD)	% of Completion		Incremental Progress %
			July 22	August 22	
	DMA				
1	Koothanallur	0.02	95	95	-
2	Kulithalai	0.02	77	77	-
3	Padmanabhapuram	0.02	71	71	-
4	Virudhachalam	0.04	72	72	-
5	Sirkali	0.02	85	85	-
6	Vedaranyam	0.02	85	85	-
7	Cumbum	0.04	95	95	-
8	Aranthangi	0.02	76	76	-
9	Thiruthuraipoondi	0.01	93	93	-
10	Puliangudi	0.04	85	85	-
11	Chengalpattu	0.02	68	68	-
12	Attur	0.04	73	73	-
13	Walajapet	0.03	32	32	-
14	Sivakasi	0.04	30	30	-
15	Keelakarai	0.02	42	42	-

16	Gudalur	0.02	60	60	-
17	Coonoor	0.01	70	70	-
18	Jayamkondan	0.02	75	75	-
19	Vaniyambadi	0.03	20	20	-
20	Kuzhithurai	0.04	50	50	-
CTP					
21	Jalakandapuram TP	0.015	98	98	-
22	Pennagaram TP	0.015	95	95	-
23	Kaveripattinam TP	0.015	95	95	-
24	Kurumbalur TP	0.010	90	90	-
25	Pennadam TP	0.010	83	85	2.35

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

Sl. No	Details	March 2022	April 2022	May 2022	June 2022	July 2022	August 2022	Incremental increase (%) (July 2022 to August 2022)
1	MSW generation (TPD)	14882	14882	15003	14998	15173	15173	-
2	MSW treatment capacity (TPD)	9654	9574	9580	9585	9585	9585	-
3	MSW utilization (TPD)	7887	7894	7927	7894	7953	8011	0.72

Note: INCREMENTAL PROGRESS OF EXISTING STPs -- NIL
INCREMENTAL PROGRESS OF UNDER CONSTRUCCION FSTPs - NIL



DDLABS AEL <tnpcbprs@gmail.com>

August - MPR

1 message

ENGINEER'S STPSOUTH <engrstpsouth@gmail.com>
To: DDLABS AEL <tnpcbprs@gmail.com>

Wed, Sep 28, 2022 at 5:18 PM

Sir,

Kindly find the enclosed document.

With Regards,
O/o EE STP South/Special Initiatives



CMWSSB Revised MPR Format - Aug 2022.doc
95K

**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) in August 2022

Overall status of the State:

- I. Total Population: 74.38 Lakhs
- II. Estimated Sewage Generation (MLD): 743

III. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	State	PRS
1	Existing no. of STPs and Treatment Capacity (in MLD)	745	
2	Capacity Utilization of existing STPs (in ML)	17924.38 (Avg – 578.20 MLD)	
3	MLD of sewage being treated through Alternate technology	-	
4	Gap in Treatment Capacity in MLD	Nil	
5	No. of Operational STPs	13	
6	No. of Complying STPs	13	
7	No. of Non-complying STPs	Nil	

Details of each existing STP in the State & PRS – August 2022

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Nesapakkam STP Zone - IV	23	16.69	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 – 10000 MPN/100 ml
2	Koyambedu STP Zone - III	34	33.65	Operational	
3	Kodungaiyur STP Zone II	80	68.03	Operational	
4	Kodungaiyur STP Zone I	80	69.32	Operational	
5	Perungudi STP Zone - V	12	10.09	Operational	
6	Koyambedu STP Zone – III	60	-	Under Rehabilitation	

7	Kodungaiyur STP Zone I& II	110	86.23	Operational	
8	Nesapakkam STP Zone - IV	40	24.65	Operational	
9	Perungudi STP Zone - V	54	52.09	Operational	
10	Perungudi STP Zone – V	60	57.38	Operational	
11	Nesapakkam STP Zone - IV	54	46.47	Operational	
12	Koyambedu STP Zone – III	120	100.65	Operational	
13	Sholinganallur STP (phase I)	18	12.95	Operational	
Total		745	578.20		

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	90.50		May 2023 (36+18) 18MLD trial run under progress
2	Thiruvottriyur STP	31	100.00		Trial Run, Improvement and additional works in progress
3	Kodungaiyur STP Zone - I	120	75.45		Dec 2022
4	Kodungaiyur STP Zone - II	120	87.92		Dec 2022
5	Nesapakkam STP Zone - IV	50	81.00		Dec 2022
6	Perungudi STP Zone - V	60	57.89		Dec 2022
7	Nesapakkam TTUF	10	100.00		Trial run and commissioning under progress
8	Perungudi TTUF	10	72.50		Jan 2023
9	CRRT - Chetpet MSTP	1.0	100.00		Completed and commissioned
10	CRRT- Nungambakkam MSTP	1.2	83.50		Dec 2022
11	CRRT- Langs Garden MSTP	10	55.00		Dec 2022
12	CRRT - Todd Hunter Nagar MSTP	0.4*10=4	98.00		Sep 2022
13	CRRT -Kotturpuram MSTP	0.3*2=0.6	100.00		Completed and commissioned
Total		471.80			



DDLABS AEL <tnpcbprs@gmail.com>

LWM - August month Progress

2 messages

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

Mon, Sep 12, 2022 at 3:24 PM

2 attachments**FSTPs Progress _ State_Aug month.xls**

115K

**LWM Status (Aug'22 Month).doc**

187K

DDLABS AEL <tnpcbprs@gmail.com>
To: daisyjacob777@gmail.com

Mon, Sep 12, 2022 at 6:27 PM

----- Forwarded message -----

From: **dma office** <dmaoffice@gmail.com>

Date: Mon, 12 Sep, 2022, 3:25 pm

Subject: LWM - August month Progress

To: DDLABS AEL <tnpcbprs@gmail.com>

2 attachments**FSTPs Progress _ State_Aug month.xls**

115K

**LWM Status (Aug'22 Month).doc**

187K

Directorate of Municipal Administration

August 2022 month Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

Overall status of the CMA:

- I.** Total Population : 1,66,51,347
- II.** Estimated Sewage Generation (MLD) : 1698.73 (State)
Estimated Sewage Generation (MLD): 375.61 (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)	60 Nos & 998.96	14Nos & 273.52
2	Capacity Utilization of existing STPs	415.15	142.35
3	MLD of sewage being treated through Alternate technology	Nil	
4	Gap in Treatment Capacity in MLD	704.42	137.72
5	No. of Operational STPs	59 nos	14 nos
6	No. of Complying STPs	59 nos	14 nos
7	No. of Non-complying STPs	Nil	

Details of each existing STP in the State & PRS

S. No	Location	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
1	Coimbatore	70.00	35.00	Operational	Comply
		60.00	6.00	Operational	Comply
2	Vellore	10.28	8.00	Operational	Comply
3	Dindigul	13.65	3.00	Operational	Comply
4	Avadi	36.00	6.00	Operational	Comply
	Avadi	4.00	1.00	Operational	Comply
5	Madurai	125.00	24.00	Operational	Comply
5	Madurai	45.70	15.00	Operational	Comply
6	Thanjavur	28.05	14.15	Operational	Comply
7	Tiruppur	15.00	8.50	Operational	Comply
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	6.10	Operational	Comply
14	Thiruvannamalai	8.70	4.75	Operational	Comply
15	Viluppuram – (Kakuppam)	9.00	7.00	Operational	Comply
	Viluppuram (Erumanthangal)	3.50	1.80	Operational	Comply
16	Arakkonam	11.04	2.00	Operational	Comply
17	Thirupathur	11.43	3.00	Operational	Comply
18	Bodinayakkanur	12.08	4.00	Operational	Comply
19	Chinnamanur	3.99	3.72	Operational	Comply
20	Periyakulam	5.47	4.00	Operational	Comply
21	Ramanathapuram	7.00	5.80	Operational	Comply
22	Rasipuram	6.96	3.30	Operational	Comply
23	Theni-Allinagaram	12.05	9.50	Operational	Comply
24	Sivagangai	4.92	2.00	Operational	Comply

25	Dharmapuri	4.86	3.50	Operational	Comply
26	Karur	15.00	5.63	Operational	Comply
27	Krishnagiri	12.34	8.00	Operational	Comply
28	Namakkal	5.00	5.00	Operational	Comply
29	Nagapattinam STP-1	9.63	4.40	Operational	Comply
	Nagapattinam STP-2	2.69	1.10	Operational	Comply
30	Tiruvarur	6.92	4.10	Operational	Comply
31	Ariyalur	4.16	1.50	Operational	Comply
32	Pudukkottai	10.62	6.00	Operational	Comply
33	Perambalur	4.20	3.60	Operational	Comply
34	Udhagamandalam	5.00	4.00	Operational	Comply
35	Udumalaipet	7.81	4.00	Operational	Comply
36	Virudhunagar	7.65	3.80	Operational	Comply
37	Tambaram	30.00	3.00	Under trial run	Comply
38	Tuticorin	28.00	4.50	Under trial run	Comply
39	Tiruchendur	3.90	1.80	Operational	Comply
40	Ulundurpet	3.15	-	Under trial run	Comply
41	Pollachi	11.25	0.65	Under trial run	Comply
42	Sattur	4.65	1.50	Under trial run	Comply
PRS (14 Nos)					
43	Tiruchirappalli	58.00	58.00	Operational	Comply
44	Salem - Vellakuttai STP	13.00	11.00	Operational	Comply
	Salem - Anaimeedu STP	6.00	5.00	Operational	Comply
	Salem - Mankuttai STP	35.00	8.00	Operational	Comply
	Salem - Vandipattai STP	44.00	1.00	Operational	Comply
45	Tirunelveli	24.20	10.00	Operational	Comply
46	Erode	50.55	27.00	Operational	Comply
47	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
48	Kumbakonam	17.00	12.50	Operational	Comply

49	Mayiladuthurai	5.85	5.85	Operational	Comply
50	Sathiyamanagalam	4.08	0.50	Under trial run	Comply
51	Mettupalayam	8.65	-	Under trial run	Comply
Total	60 nos	998.96	415.15		

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	36%	-	March-23
2	Coimbatore - Nanjudapuram	40.00	97%	-	Sep -22
	Coimbatore – Kuruchi & kuniyamuthur	30.53	99%	-	Dec-22
3	Karaikudi	16.00	95%	-	Sep -22
4	Nagercoil	17.66	92%	-	Sep -22
5	Rajapalayam	21.85	90%	-	Dec-22
6	Rameshwaram	4.08	42%	-	March-23 (Court case dismissed on 27.06.22 and work commenced)
7	Tiruppur(Expansion of existing)	15.00	90%	-	Oct-22
	Tiruppur (Sarkarperiyapalayam)	36.00	97%	-	Oct-22
	Tiruppur (Chinnandipalayam)	20.00	97%	-	Oct-22
8	Vellore	50.00	85%	-	Jan-23
9	Ponneri	6.52	16%	-	Nov-22
10	Tindivanam	11.44	Preliminary works started		Dec-23
11	Villupuram Added Area	4.56			Dec-23
12	Pammal & Anagaputhur	27.00	Layout finalized & Work Commenced		March-23
PRS (2 Nos)					
13	Trichirapalli-STP1	30.00	52%	-	Desiliting and Deepening of Ponds, Bund trimming work completed & now the

					work was stopped from 19.05.2021
					It is proposed to integrated STP of 100MLD with technology to meet out latest TNPCB norms
	Trichirapalli-STP2	37.00	90%	-	Nov-22
Total (16 nos)		354.35			

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

- (i) Completed - 21 Nos
- (ii) Under construction – 20 Nos
- (iii) Work to be commenced – 1 Nos
- (iv) To be started – 3 Nos
- (v) AS Stage - 1 No.

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

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

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

XXI. Reuse of Treated Water:

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

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

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

FSTPs – progress updates						
No	Status	Name of the ULBs	Capacity in KLD	% of physical progress	Probable date of completion	Number of FSTPs
1	Completed & trial run ongoing	Kangeyam	20	100%	-	21
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	Nearing completion, completed & trial run to be initiate	Koothanallur	20	95%	Sep-22	2
23		Cumbum	40	95%	Sep-22	
24		Kulithalai	20	77%	Sep-22	
25		Sirkali	20	85%	Sep-22	
26		Thiruthuraipoondi	10	93%	Sep-22	

27	65% to 85%	Padmanabhapuram	20	71%	Oct-22	10
28		Vedaranyam	20	85%	Sep-22	
29		Aranthangi	20	76%	Sep-22	
30		Coonoor	10	70%	Oct-22	
31		Virudhachalam	40	72%	Sep-22	
32		Puliangudi	40	85%	Sep-22	
33		Jayamkondan	20	75%	Sep-22	
34	31% to 65%	Attur	40	73%	Oct-22	5
35		Gudalur	20	60%	Oct-22	
36		Chengalpattu	20	68%	Sep-22	
37		Walajapet	30	32%	Oct-22	
38		Keelakarai	20	42%	Sep-22	
39	0% to 30%	Sivakasi	40	30%	Dec-22	3
40		Vaniyambadi	30	20%	Dec-22	
41		Kuzhithurai	40	50%	Dec-22	
42	Yet to start	Colachel	40	-		2
43		Manapparai	20	-		
44	On Hold	Nellikuppam	20	0%		2
45		Panruti	30	0%		
46	Administrative Sanction(AS)	Usilampatti	20	0%		1
47						46



DDLABS AEL <tnpcbprs@gmail.com>

DMA SWM Details -PRS MPR- August-2022

1 message

Swachh Bharat Mission <sbmpmucma@gmail.com>

Mon, Sep 12, 2022 at 3:11 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 August-2022

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

5 attachments**1.SWM Revised MPR Format for 158 ULBs.docx**
21K**CMA ULBs-SWM Existing Facilities.xlsx**
40K**3. Gap analysis JS -Mail.xlsx**
29K**PRS ULBs -SWM Existing Facilities.xlsx**
15K**2. SWM-LWM MPR-excell sheet.xlsx**
17K

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) : **5 ULBs and 325 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 August 2022 -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 pit composting	750	2881	2780	182	662	637
d.	Biomethanation	47	189	140	13	53	48
e.	MRF/RRC	235	1005	1005	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	2016	6169	5372	375	1359	1164
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)
		-	Proposed in Coimbatore, Salem Trichy Madurai and Thoothukudi Corporations	-	-	Proposed in Trichy Corporation	-
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.)	10 Nos			1 Nos		
	Details of MSW treatment facilities proposed (capacity, TPD)	36.5 TPD			14 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.)	98 Nos			15 Nos		
	Details of MSW treatment facilities under construction (capacity, TPD)	871 TPD			298 TPD		

V	Solid Waste Management:		
		Tamil Nadu State	Polluted River Stretches
	Details of MSW treatment facilities under construction (technology)	Micro Composting Centre, Incineration and RRC and Onsite composting Centres	Micro Composting Centre, Incineration and RRC and Onsite composting Centres
8	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Nil	Nil
9	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	Nil	Nil
10	No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	-	-
	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

V	Solid Waste Management:		
		Tamil Nadu State	Polluted River Stretches
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 1305.0 MT of single use plastics had been seized and a penalty of Rs.6.60 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 183.27 MT of single use plastics had been seized and a penalty of Rs.1.66 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% biominced (Cu.Mtr)		Under process (Balance Waste) Cu.Mtr							Remarks
		ULB	Waste	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	
CMA	84.05 Lakhs Cu.m in 98 ULBs	50	29.34 Lakhs Cu.m	24.95	24.36	23.82	23.39	23.02	22.68	22.35	

Solid Waste Management

[illegible]

Solid Waste Treatment -Capacity Utilisation

[illegible]



DDLABS AEL <tnpcbprs@gmail.com>

GCC BIO MINING DETAILS FOR AUG MONTH

1 message

piugcc 2021 <piugcc2021@gmail.com>
To: tnpbprs@gmail.com

Sat, Oct 8, 2022 at 6:48 PM



aug biominig details.pdf
298K

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 AUGUST 2022 - Prepared By Greater Chennai Corporation

Solid Waste Management:					
Tamil Nadu State					
1	Total number of Urban Local Bodies and their Population	87 LAKHS			
2	Current Municipal Solid Waste Generation TPD	5805			
3	Existing MSW processing facilities	Total No.	Installed Capacity (TPD)	Utilization Capacity (TPD)	Remarks
a.	Windrow Compost	2	100	97.19	
b.	Vermi Compost	0	0	0	
c.	Decentralized pit composting	206	581	477	
d.	Biomethanation	6	21	14.41	
e.	MRF/RRC	190	468	253	
f.	Others: (Breakup) 1.Incinerators - 3 No (65 MTD) 2.Gardengarbage & Tender coconut shell processing plant - 4 locations (320 MTD) 3.Offtake of baled plastic to cement factories (300 MTD)	8	685	260	
g.	Waste to Energy	34	13	8	
	1. Bio-gas				
	2. Bio-CNG	1	100	81	
	Total	447	1968	1191	
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			
4a	No. and capacity of C&D waste processing plants in TPD	2 no (400 each)	800	611	
6	Total no. of wards	200			
	Total no. of wards having door to door collection service	200			
	Total no. of wards practicing segregation at source	200			
7a.	Details of MSW treatment facilities proposed (no.)	-			
	Details of MSW treatment facilities proposed (capacity, TPD)	-			
	Details of MSW treatment facilities proposed (technology)	-			
7b.	Details of MSW treatment facilities under construction (no.)	8 &			
	Details of MSW treatment facilities under construction (capacity, TPD)	640			
		Bio-CNG 6nos -100 TPD each Pyrolysis 2nos -20TPD each Incinerator 1no - 64TPD			

	Details of MSW treatment facilities under construction (technology)	Incinerator, Bio CNG, and Pyrolysis Plant	
8	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	5nos / 523.50 acres	
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	272 (Storm water drains falling into rivers)	
	Status of ULB wise SWM		
	ULB	Greater Chennai Corporation (GCC)	
	Total MSW generated in TPD	5805	
	Total MSW processed in TPD	1191	
	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	1191.00	
	Proposed MSW Facilities & Completion Timeline		
	Status of ULB/RLB wise SWM	Tamil Nadu State	
	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	Plastic Waste Management:		
1	Total Plastic Waste generation:TPD	502	
2	Treatment/ Measures adopted for reduction or management of plastic waste:	RRC, MRF, Incinerator, Pyrolysis Plant, Offtake, Baling machines	
XXIV	Regulation of /Mining Activities in the State/UT		

R. A. P. S.
19/9/22
Executive Engineer/SWM

SuperIntending Engineer/SWM



DDLABS AEL <tnpcbprs@gmail.com>

CTP - August MPR - reg

1 message

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

Wed, Sep 28, 2022 at 11:16 AM

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Sir / Madam,

* Please see the attached file.*

Commissionerate 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**MPR August.docx**

37K

**Gap analysis JS -Mail August.xlsx**

26K

**Empty SWM-LWM MPR-excell sheet August.xlsx**

20K

National Mission for Clean Ganga
Format for submission of AUGUST 2022 Monthly
Progress Report in the NGT Matter OA No. 673 of 2018
(in compliance to NGT order dated 24.09.2020)

For the State of Tamil Nadu

Overall status of the State:

I. Total Population: 7665951

II. Estimated Sewage Generation (MLD): 429.29 MLD

III. Details of Sewage Treatment Plant:

S.No.	Details of Sewage Treatment Plant	State	PRS
1	Existing no. of STPs and Treatment Capacity (in MLD)	9 (26.67MLD)	-
2	Capacity Utilization of existing STPs	6.10 MLD	-
3	MLD of sewage being treated through Alternate technology	3 MLD	-
4	Gap in Treatment Capacity in MLD	399.62	24.86
5	No. of Operational STPs	9	-
6	No. of Complying STPs	9	-
7	No. of Non-complying STPs	-	-

Details of each existing STP in the State & PRS

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Mamallapuram TP	2.34	2.34	Operational	Complied
2	Orathanadu TP	2.30	1.60	Operational	Complied
3	Thiruchendur TP	Upgraded as Municipality			
4	Palanichettypatti TP	2.80	2.08	Operational	Complied
5	Thirumazisai TP	3.00	1.80	Operational	Complied
6	<u>Ulunderpettai TP</u>	Upgraded as Municipality			
7	Velankanni TP	2.33	-	Operational	Trial Run
8	Manachanallur TP	6.41	-	Operational	Trial Run
	S.Kannanur TP				
9	Vallam TP	2.35	-	Operational	Trial Run

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
10	Perundurai TP	3.14	-	Operational	Trial Run
11	Melachokanathapuram TP	2.00	-	Operational	Trial Run
		26.67	6.82		
Septage Management					
1	Karunguzhi	0.024	0.024	Operational	
2	Periyanaikanpalayam	0.030	0.03	Operational	
3	Chengam TP	0.020	-	Operational	Trial Run
4	Alangayam TP	0.015	-	Operational	Trial Run
5	Mudukulathur TP	0.015		Operational	Trial Run
		0.104	0.054		
TOTAL		26.774	6.874		

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 TP	8.50	95% completed	5480/6000	31.07.2023
2	Thiruporur TP	4.02	93.50% Completed(UGSS)	3936/4479	30.09.2022
	Total	12.52		9416/10479	
Septage Management					
1	Jalakandapuram TP	0.015	98% completed	-	31.10.2022
2	Pennagaram TP	0.015	95% completed	-	31.10.2022
3	Kaveripattinam TP	0.015	95% completed	-	30.09.2022
4	Kurumbalur TP	0.010	90% completed	-	30.09.2022
5	Pennadam TP	0.010	85% completed	-	30.09.2022
Total		0.080			

Details of proposed STPs in the State & PRS

S. No	Name of the ULB	STP/ FSTPs	STP/ FSTPs capacity in MLD/K LD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
1	Musiri TP	Upgraded as Municipality							
2	Sirugamani TP	-	-	DPR Stage	-	-	PWD	-	DPR is under preparation by WAPCOS/ PWD.
3	Mohanur TP	-	-	DPR Stage	-	-	PWD	-	"
4	Velur TP	-	-	DPR Stage	-	-	PWD	-	"
5	Punjai Pugalur TP	Upgraded as Municipality							
6	Bhavani sagar TP	-	-	DPR Stage	-	-	PWD	-	"
7	Sirumugai TP	-	-	DPR Stage	-	-	PWD	-	"
8	Madathukulam TP	-	-	DPR Stage	-	-	PWD	-	"
9	Omalur TP	-	-	DPR Stage	-	-	PWD	-	"
10	Poolampatty TP	-	-	DPR Stage	-	-	PWD	-	"
11	Kuthalam TP	-	-	DPR Stage	-	-	PWD	-	"
12	Thirukattupalli TP	-	-	DPR Stage	-	-	PWD	-	"
13	Thiruvaiyaru TP	-	-	DPR Stage	-	-	PWD	-	"
14	Pethanaickenpalayam TP	-	-	DPR completed	-	-	DTP	-	Tamilnadu Water Investment Company (M/s. TWIC) has been

S. No	Name of the ULB	STP/ FSTPs	STP/ FSTPs capacity in MLD/K LD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
									appointed as consultant for preparation of DPR. DPR submitted on 15.2.2022 by TWIC. DPR under scrutiny "
15	Yethapur TP	-	-	DPR completed	-	-	CTP	-	"
16	Belur TP	-	-	DPR completed	-	-	CTP	-	"
17	Srivaikundam TP	-	-	DPR completed	-	-	CTP	-	"
18	Authoor TP	-	-	DPR completed	-	-	CTP	-	"
19	Eral TP	-	-	DPR completed	-	-	CTP	-	"
20	Alwarthirunagari TP	-	-	DPR completed	-	-	CTP	-	"
21	Then Thiruperaai TP	-	-	DPR completed	-	-	CTP	-	"
22	Arumuganeri TP	-	-	DPR completed	-	-	CTP	-	"
23	Mukkudal TP	-	-	DPR completed	-	-	CTP	-	The SBM 2.0 2 nd State High Powered Committee meeting held on 26.02.2022 has approved to
24	Gopalamudram TP	-	-	DPR completed	-	-	CTP	-	
25	Kallidaikurichi TP	-	-	DPR completed	-	-	CTP	-	
26	Cheranmahadevi TP	-	-	DPR completed	-	-	CTP	-	

S. No	Name of the ULB	STP/ FSTPs	STP/ FSTPs capacity in MLD/K LD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
27	Veeravanallur TP	-	-	DPR completed	-	-	CTP	-	establish Decentralised STP and DEWATS method. Administrative sanction issued on 21.03.2022 and works are in various stages
28	Patthamadai TP	-	-	DPR completed	-	-	CTP	-	
29	Mela Seval TP	-	-	DPR completed	-	-	CTP	-	
30	Naranammalpuram TP						CTP		

IV. **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 - 7619 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 7 Incinerators has been completed remaining 2 Nos are under progress.(Trail run)**
 - ✓ **So far 9 Pyrolysis has been completed remaining 1 No are under progress. (Trail run)**
 - ✓ **For remaining Town Panchayats waste to energy plants are to be proposed on cluster basis.**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.

- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers.

Status of ULB wise Management of Solid Waste

STATE

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	Plant Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
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 Sep 2022	
			5.Pyrolysis	Under construction will be completed before Aug 2022	

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	77 MT	Waste to energy plants are to be proposed on cluster basis
			2. De-Centralized composting	7 MT	
			3. Biogas	10 MT	

V. Bio-medical Waste Management:

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

VI. 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

VII. 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

Waste to energy plants are to be proposed on cluster basis

**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 :August 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	-
2	Capacity Utilization of existing STPs (MLD)	6.15 MLD	-
3	MLD of sewage being treated through Alternate Technology	3 MLD	-
4	Gap in Treatment Capacity in MLD	399.52 MLD	24.86 MLD
5	No. of Operational STPs	9	-
6	No. of Complying STPs	9	-
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)	0.08	-
5	Status of I&D or House sewer connections	9416/10479	-

	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 constuction of STPs held up due to land issues	-	-
9	No. of land issues resolved	-	-

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

For the Month of August 2022 - 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 (if Gap > 20%)	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. & capacity)	Proposed (No. & Capacity)	Under construction (No. & Capacity)	Existing (No. & Capacity)	Proposed (No. & Capacity)	Under construction (No. & Capacity)
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, Incinerator, Pyrolysis	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 generation:TPD	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		

STPs under progress

[illegible]

Waste Management

TN ULBs	sewage generation (in MLD)				Installed Treatment Capacity of STPs (in MLD)				Gap in Treatment capacity			
	May-22	Jun-22	Jul-22	Aug-22	May-22	Jun-22	Jul-22	Aug-22	May-22	Jun-22	Jul-22	Aug-22
DTP	429.29	429.29	429.29	429.29	26.670	26.670	26.670	26.670	402.620	402.620	402.620	402.620

atment - Capacity Utilisation

TN ULBs	Installed treatment capacity				capacity utilisation %				Gap in capacity utilisation %			
	May-22	Jun-22	Jul-22	Aug-22	May-22	Jun-22	Jul-22	Aug-22	May-22	Jun-22	Jul-22	Aug-22
DTP	26.670	26.670	26.670	26.670	6.820	6.820	6.820	6.820	19.850	19.850	19.850	19.850

Solid Waste Management

TN ULBs	Solid waste generation (TPD)								Installed Treatment Capacity of Existing Facilities (TPD)								Gap in Treatment capacity (TPD)							
	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
CMA																								
GCC																								
DTP	2100	1805	1805	1805	1805	1805	1805	1805	1819	1570	1570	1570	1570	1570	1570	1570	281	235	235	235	235	235	235	235
RD&PR																		235	235	235	235			

Solid Waste Treatment -Capacity Utilisation

[illegible]

Legacy waste

[illegible]

TN ULBs	legacy waste estimated (Cu.Mtr)	Legacy waste 100% biominced (Cu.Mtr)		Under process (Balance Waste) Cu.Mtr								Rem
		ULB	Waste	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	
Omalur	4600			950	950	950	950	950	950	950	950	
Omalur	3489			450	450	450	450	450	450	450	450	
Perundurai	19790			5900	5900	2790	2790	1769	790	790	790	
Kanniyakumari	12113			3550	3550	1574	1574	1574	1574	729	729	
P.Velur	10474			4400	4400	4400	4400	4400	4400	4400	4400	
Annur	9893			4900	4900	4900	4900	4900	4900	4900	4900	
Periyanaickenpal	11587			5985	5985	5985	5985	5985	5985	5985	5985	
Swamimalai	11251			5900	5900	5900	5900	2754	1688	1688	1688	
Suleswaranpatti	10883			6685	6685	6685	6685	6685	6685	6685	6685	
Gingee	14284			2207	2207	2207	2207	2207	2207	2207	2207	
Thammampatti	5782			4000	4000	4000	4000	3952	3952	3952	3952	
Vazhapadi	6134			4500	4500	4500	4500	4381	4381	4381	4381	
Kunathur	8168			5950	5950	5950	5950	5950	5950	5950	5950	
Vathalagundu	17271			12850	12850	11771	11771	11771	11771	11121	11121	



DDLABS AEL <tnpcbprs@gmail.com>

Rejuvenation of Polluted river stretches - RD&PR

2 messages

rdse <rdse@nic.in>
To: tnpbprs@gmail.com

Mon, Oct 3, 2022 at 11:45 AM

Sir,
PI see the attachment file
Thank you
SE(RD)



 **O.A 673, MPR.pdf**
2054K

DDLABS AEL <tnpcbprs@gmail.com>
To: rdse <rdse@nic.in>

Mon, Oct 3, 2022 at 11:51 AM

Thank you Madam have received the mail

[Quoted text hidden]

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With Regards,
PRS Team
TNPCB

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

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

Roc. No.16503/2018/SBM(G)-3 Dt.19.09.2022

Sir,

Sub: TNPCB - Environment Control - Hon'ble National Green Tribunal OA No. 673/2018 - "Rejuvenation of Polluted River Stretches" - Monthly Progress Report for the month of August'2022 - Sent - Regarding.

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

I invite your kind attention to the references cited.

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

In this connection, a consolidated monthly progress report for the month of August' 2022 is sent herewith in the prescribed format for kind reference.

Encl: Format.


For Commissioner.

Copy:

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

16
19/9/22

Rural Development and Panchayat Raj Department

National Mission for Clean Ganga

**Format for submission of Monthly Progress Report in the NGT Matter OA
No. 673 of 2018 (in compliance to NGT order dated 24.09.2020) for the
Month of August- 2022**

Overall status of the State:

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

II. Estimated Sewage Generation (MLD): 1130

III. Details of Sewage Treatment Plant:

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

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

Details of each existing STP in the State & PRS

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

Details of under construction STPs in the State & PRS

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

Details of proposed STPs in the State& PRS

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

Details of proposed STPs in the State

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

IV. Details of Industrial Pollution:

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

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

V. Solid Waste Management:

- Total number of Rural Local Bodies and their Population: 12525 Village Panchayats,
Population 4,04,86,223

- Current Municipal Solid Waste Generation(State & PRS):1965 TPD &8.30TPD
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc(State & PRS) : 12525&31
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)(State & PRS)
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)(State & PRS)
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source (State & PRS) : 12525 Village Panchayats& 31 Village Panchayats.
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)(State & PRS)MCC –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)- **155:05** (in MT)
- Treatment/ Measures adopted for reduction or management of plastic waste: Plastic Shredding units available at 1 per Districts provided under SWM Scheme- **160:36**

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

**GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT**

From

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

To

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

Lr. No: / RRC / AGC /2022 Dated: 30.09.2022

Sir,

Sub: NGT Case No 673/2018- Central Monitoring Committee (CMC) - Tamil Nadu Pollution Control Board (TNPCB) - Submission of Monthly Progress Report in the prescribed formats for the month of **August 2022, for Five Polluted river stretches**- Submission - Regarding.

Ref: 1. Email received from Deputy Director, TNPCB dated: 09.09.2022.

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

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

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

Enclosure: Monthly progress reports

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

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


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

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 302 mg/L to 1661 mg/L. Thevur is having TDS of good quality whereas the rest of the places having TDS value in the range of moderate quality.

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

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

XIV. Ground water regulation:

1.	Control of illegal Groundwater Abstraction	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally 683 packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government. The draft act has been approved by the high level technical committee headed by the Chief Secretary. Further action to enact the law is under process.
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XV. Good irrigation practices being adopted by the State:

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

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
5	2	10 Recharge wells

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

Drone Survey has been completed by WAPCOS in January 2021. The draft DPR prepared by M/s.WAPCOS for conducting the above survey for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and the scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding. The tentative cost of the DPR is around 2 crores. Encroachment if any identified during the survey will be evicted and other management works will be completed and rehabilitation and resettlement will be done.

XVIII. Maintaining minimum e-flow of river:

This river is only a flood carrier. The sewage water enters in to the river in Edapaddi Municipality, Omalur Town Panchayat and Poolampatti Town Panchayat. The above treatment plants are proposed under Nadanthai Vaazhi Cauvery for which a draft DPR has been prepared by M/s.WAPCOS and the scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding. E flow will be maintained in this river after completion sewage treatment plants, as the treated water will flow as environmental flow.

XIX. Plantation activities along the rivers:

It is proposed to plant around 32,400 samplings under Nadanthai Vaazhi Cauvery for which a draft DPR has been prepared by M/s.WAPCOS and has been submitted and scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding.

XX. Development of biodiversity park:

Drone Survey has been completed by M/s.WAPCOS in January 2021. A draft DPR prepared by M/s.WAPCOS and has been submitted and the scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding.



for Chief Engineer, WRD,
SG & SWRD,
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, Athur and Thalaivasal. The analytical reports of the ground water analysis of these areas reveals that water quality is of the order of both good and moderate. The TDS values of these areas ranging between 304 to 1117 mg/L.

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

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

XIV. Ground water regulation:

1.	Control of illegal Groundwater Abstraction	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally 683 packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government. The draft act has been approved by the high level technical committee headed by the Chief Secretary. Further action to enact the law is under process.
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XV. Good irrigation practices being adopted by the State:

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

XVI. Rain Water Harvesting:

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

XVII. Demarcation of Floodplain and removal of illegal encroachments:

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

XVIII. Maintaining minimum e-flow of river:

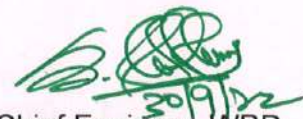
This river is only a flood carrier. But the sewage water enters in to the river in Attur and Narasingapuram Municipality. After completion sewage treatment plants in the above location, the treated water will flow as environment flow.

XIX. Plantation activities along the rivers:

There is no proposal at present.

XX. Development of biodiversity park:

There is no proposal at present.



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

I Reach: Sirumugai to Kalingarayan stretch in Bhavani River

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

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

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

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

XIV. Ground water regulation:

1.	Control of illegal Groundwater Abstraction	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally 683 packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government. The draft act has been approved by the high level technical committee headed by the Chief Secretary. Further action to enact the law is under process.
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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
28	Check dam – 4 Nos. Recharge shaft – 15 Nos.	--

XVII. Demarcation of Floodplain and removal of illegal encroachments:

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

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

XVIII. Maintaining minimum e-flow of river:

An E-flow of **2,42,163** cusecs (including Irrigation purpose) was maintained in the river Bhavani during the month of **August 2022**.

XIX. Plantation activities along the rivers:

It is proposed to plant around 86,500 samplings under Nadanthai Vaazhi Cauvery for which a draft DPR has been prepared by M/s.WAPCOS and submitted and scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to Ministry of Jal Sakthi, Gol for funding.

XX. Development of biodiversity park:

Drone Survey has been completed by M/s.WAPCOS in January 2021. A draft DPR prepared by M/s.WAPCOS and has been submitted and the scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to Ministry of Jal Sakthi, Gol for funding.


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

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 412 to 1751 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 384 to 2967 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 exceed even 5000 mg/L in some places with wide distribution of moderate water quality. While reviewing the water quality data of Trichy and Musiri the water quality is found to vary between good and moderate in most of the places with very few places having poor quality. Most of the locations in Cuddalore and Thanjavur are having good quality water. Few places of Cuddalore having TDS values more than 6000 mg/L.

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

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

XIV. Ground water regulation:

1.	Control of illegal Groundwater Abstraction	• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally 683 packaged drinking water firms who were illegally operating have been sealed and closed. • A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government. The draft act has been approved by the high level technical committee headed by the Chief Secretary. Further action to enact the law is under process.
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XV. Good irrigation practices being adopted by the State:

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

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
44	10	29

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Drone Survey has been completed by M/s.WAPCOS in January 2021. The draft DPR prepared by M/s.WAPCOS for conducting the above survey for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and the scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, GoI for funding.

The tentative cost of the DPR is around 20 crores. Encroachment if any identified during the survey will be evicted and other management works will be completed and rehabilitation and resettlement will be done.

XVIII. Maintaining minimum e-flow of river:

Mettur dam is opened for irrigation from June 12th to January 28th based on availability of water every year. It is opened for drinking purpose in the remaining days, during the monsoon period at flood time the maximum flood discharge in the river has been 284606 cusecs on 08.07.1961. Usually a monthly minimum average E flow of 0.10 TMC is maintained. The E flow is maintained for more than 8 months. During the month of **August 2022** an E Flow of **7.166** TMC was maintained.

XIX. Plantation activities along the rivers:

It is proposed to plant around 1,44,500 samplings under Nadanthai Vaazhi Cauvery for which a draft DPR prepared by M/s.WAPCOS and has been submitted and the scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding.

XX. Development of biodiversity park:

Drone survey has been completed by M/s.WAPCOS in January 2021. A draft DPR prepared by M/s.WAPCOS and has been submitted and the scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding.



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

IV. Reach: Salem to Papparapatti in Thirumanimutharu River

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

For this stretch the SG& SWRDC having monitoring wells for observation ground water quality in Salem, Attayampatti, and palapatti areas. From the observed data it is inferred that the quality of water is in moderate level i.e in these places TDS value ranges between 765 to 1197 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. Ground water regulation:

1.	Control of illegal Groundwater Abstraction	- For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally 683 packaged drinking water firms who were illegally operating have been sealed and closed. - A Comprehensive Groundwater (Management and Development) Act., to regulate and Manage the extraction of Groundwater is under active consideration of the Government. The draft act has been approved by the high level technical committee headed by the Chief Secretary. Further action to enact the law is under process.
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XV. Good irrigation practices being adopted by the State:

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

XVI. Rain Water Harvesting:

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

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

Drone Survey has been completed by M/s.WAPCOS in January 2021. The draft DPR prepared by M/s.WAPCOS for conducting the above survey for identification of flood plain zones and area for afforestation to maintain Bio Diversity has been submitted and scrutinization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding. The tentative cost of the DPR is around 2 crores. Encroachment if any identified during the survey will be evicted and other management works will be completed and rehabilitation and resettlement will be done.

XVIII. Maintaining minimum e-flow of river:

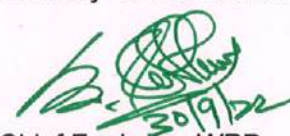
This river is only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under Nadanthai Vaazhi Cauvery. A draft DPR prepared by M/s.WAPCOS has been submitted and scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding. E flow will be maintained in this river after completion sewage treatment plants, as the treated water will flow as environmental flow.

XIX. Plantation activities along the rivers:

It is proposed to plant around 42,000 samplings under Nadanthai Vaazhi Cauvery for which a draft DPR prepared by M/s.WAPCOS has been submitted and scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding.

XX. Development of biodiversity park:

Drone Survey is completed by M/s.WAPCOS in January 2021. A draft DPR prepared by M/s.WAPCOS has been submitted and scrutinization of DPR is done by NRCD during March 2022 and finalization of DPR will be completed by end of this month and submitted to ministry of Jal Sakthi, Gol for funding.


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



TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

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

Sl. No.	Name of station	Station Code No.	Aug-22				
			pH	D.O mg/L	BOD at 27 ⁰ C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml
1	Edappadi (River)	3024	Samples not received				

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less



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Water Quality Status of Polluted River Stretches

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

Sl. No.	Name of station	Station Code No.	Aug-22				
			pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml
1	Uthamasolapuram (River)	3022	7.5	Nil	60	2100	3900

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less



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Water Quality Status of Polluted River Stretches

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

Sl. No.	Name of station	Station Code No.					
			pH	D.O mg/L	BOD at 27 ⁰ C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml
1	Thulukkanur (River)	3023	Samples not received				

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less

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Water Quality Status of Polluted River Stretches

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

Sl.No.	Name of station	Station Code No.	Aug-22				
			pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml
1	Mettur	50	8.3	6.5	<2	32	94
2	Pallipalayam	51	7.5	6.5	<2	210	470
3	Musiri Borewell	32	Samples not received				
4	Musiri Ferry Gate	31	7.2	7.6	2.6	70	150
5	Komarapalayam	3012	7.1	7.2	<2	170	330
6	Urachikottai	3013	7.7	7.2	<2	31	63
7	Seerampalayam	3014	7.3	6.8	<2	63	150
8	Pugalur	3015	7.4	6.8	<2	140	330
9	Pettavaithalai	3016	7.1	7.2	<2	63	140
10	Kumbakonam	3017	7.3	7.8	<2	31	63
11	Mayiladurai	3018	7.3	7.2	2.2	46	110
12	R.N. Pudur	1322	7.7	7	<2	140	280
13	Vairapalayam	1320	7.5	7.1	<2	14	39
14	P. Velur	1323	7.7	6.4	<2	120	260
15	Mohanur	1324	7.8	6.4	<2	120	220
16	Thirumukkudal	1451	7.6	6.9	<2	150	400
17	Trichy Upstream	1202	7.5	7.4	<2	310	630
18	Trichy Downstream	1325	7.1	7.3	<2	700	1500
19	Grand Anaicut	1203	7.3	7.5	<2	33	70

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less

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Water Quality Status of Polluted River Stretches

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

Sl. No.	Name of station	Station Code No.	Aug-22				
			pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml
1	Badrakaliamman koil	1201	7.6	7.2	<2	32	94
2	Sirumugai	1204	6.7	7.4	<2	25	58
3	Bhavanisagar	1321	7.8	7.2	<2	13	39
4	Bhavani	1205	7.7	7.2	<2	31	70
5	Sathyamangalam	3019	7.2	7.0	<2	13	38
6	Kalingarayan Canal (B5)	3020	7.8	7.0	<2	79	130
7	Kalingarayan Canal (B10)	3021	7.3	7.2	<2	260	470

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less

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Water Quality Status of Polluted River Stretches

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

Sl. No.	Name of station	Station Code No.	Aug-22				
			pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml
1	Papanasam	1159	6.9	7.6	<2	6	14
2	Cheranmadevi	1160	7.0	6.9	<2	6	17
3	Kokirakulam	1161	6.9	6.7	<2	4	12
4	Murapanadu	1162	7.3	7.4	2.4	8	25
5	Thiruvidadaimarudur	1328	7.0	6.9	<2	8	20
6	Ambasamudram	1329	7.2	7.2	<2	8	17
7	Authoor	1330	7.3	6.0	2.9	10	24
8	Eral	3025	7.6	7.8	2.6	8	21
9	Kallidaikurichi	3026	7.0	7.1	<2	6	12
10	Srivaikuntam	3027	7.6	8.2	2.5	12	31
11	Vellakovil	3028	6.9	6.7	<2	6	14
12	Seevalaperi	3029	6.9	6.5	<2	7	20

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less

