TAMILNADU POLLUTION CONTROL BOARD

From	To
Thiru.A.V.Venkatachalam, I.F.S., Chairman, Tamil Nadu Pollution Control Board, No.76, Mount Salai, Guindy, Chennai-600 032.	The Additional Chief Secretary to Govt, Environment and Forests Department, Government of Tamil Nadu, Secretariat, Chennai- 600 009.

Lr.No.TNPCB/DDL/F-6849/PRS-MPR/2019/dated: 27.10.2020

Sir,

Sub: TNPCB-For ensuring compliance to the Hon'ble NGT order dated 06.12.2019 in O.A No.673 of 2018-Monthly Progress Report for the month of July-2020 on Action Plans for the Polluted River Stretches in Tamil Nadu to the Central Monitoring Committee, NMCG, Ministry of Jal Shakti-Submitted-Regarding.

Ref: 1) CPCB Lr.No.F.No.A-14011/OA 673/2020-WQM-I/ 12178/ dt.4.2.2020.
2) Office Memorandum-Legal/O.A 673 of 2018/ NMCG/2019/ dt.05.02.2020.
3) E&F D.O. Letter No.23238/EC.1/2018-28 dated 09.07.2020.
4) Office Memorandum-Legal/O.A-673 of 2018/ NMCG/ 2020/ dt.08.10.2020.

With reference to the Memorandum 4th cited, the Revised Monthly Progress Report for the month of Septemer 2020 on Action Plans for the Polluted River Stretches in Tamil Nadu in the prescribed format is enclosed herewith for kind perusal and information please.

It is requested that the above report may be forwarded to Executive Director-Technical, National Mission for Clean Ganga, Ministry of Jal Shakthi, Delhi with a copy to Central Pollution Control Board, Delhi.

Encl: As above

Sd/- A.V. Venkatachalam
Chairman

/ Forwarded by Order/

Deputy Director (Labs)

Copy to: File

Additional Chief Secretary to Govt, Chennai-9, 28 OCT 2020, Environment & Forests Department

No. 76, MOUNT SALAI, GUINDY, CHENNAI - 600 032.
Ph: 22353134, 22353135, 22353136, 22353137, 22353138, 22353139, 22343140, 22353141
Fax : 044 - 22353068
Email : tnpcb@md3.vsnl.net.in Web : www.tnpcb.gov.in

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 TamilNadu - September 2020

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately: 13,79,37632 (Urban 97451409+ Rural 40486223)

II. Estimated Sewage Generation (MLD): 6362 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 69 and 1685.96 MLD
- Capacity Utilization of existing STPs: 798.34 MLD
- MLD of sewage being treated through Alternate technology: 3 MLD (Insitu Treatment, FSTP)
- Gap in Treatment Capacity in MLD: 1066.2
- No. of Operational STPs:69
- No. of Complying STPs: 59
- No. of Non-complying STPs:10

Details of each existing STP in the State (CMA)

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	5.00	Operational	Comply
2	Vellore	10.28	7.50	Operational	Comply
3	Dindigul	13.65	3.00	Operational	Comply
4	**Tiruchirappalli**	**58.00**	**58.00**	**1) Operational 58.64 MLD 2) Under rejuvenation - 30 MLD in AMRUT**	**Comply**
5	Avadi	4.00	2.00	1 STP (4mld) - Completed 36 MLD under progress	Comply

S. No	Location	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
6	Madurai	170.70 MLD (45.70 + 125.00) MLD	38.00	Operational	Comply
7	**Salem - Vellakuttai STP**	**13.00**	**6.00**	**Operational**	**Comply**
	Salem - Anaimedu STP	**6.00**	**3.00**	**Operational**	**Comply**
	Salem - Mankuttai STP	**35.00**	**1.00**	**Operational**	**Comply**
	Salem - Vandipattai STP	**44.00**	**-**	**Completed & Power connection to be obtained**	**-**
8	**Tirunelveli**	**24.20**	**8.50**	**Operational**	**Comply**
9	Thanjavur	28.05	14.15	Under Renovation	Comply
10	Tiruppur	15.00	7.50	Operational	Comply
11	**Erode**	**50.55**	**18.50**	**Operational**	**Comply**
12	Cuddalore	12.25	6.00	Operational	Comply
13	Kanchipuram	14.50	13.50	Operational	Comply
14	Maraimalai Nagar	2.20	1.80	Operational	Comply
15	Pallavapuram	(CMWSSB STP 115@Perungudi)		Operational	Comply
16	Tiruvallur	6.20	3.60	Operational	Comply
3	Chidambaram	9.44	2.10	Operational	Comply
17	Thiruvannamalai	8.70	4.50	Operational	Comply
18	Viluppuram - 2Nos	12.50	8.60	Operational	Comply
19	Arakkonam	11.04	1.50	Under Trial run	Comply
20	Thirupathur	11.43	0.50	Under Trial run	Comply
21	Bodinayakkanur	12.08	4.00	Operational	Comply
22	Chinnamanur	3.99	3.72	Operational	Comply
23	Periyakulam	5.47	5.47	Operational	Comply
24	Ramanathpuram	7.00	5.80	Operational	Comply
25	Theni-Allinagaram	12.05	6.50	Operational	Comply
26	Dharmapuri	4.86	3.50	Operational	Comply
27	Karur	15.00	6.50	Operational	Comply
28	Krishnagiri	12.34	7.80	Operational	Comply
29	Namakkal	5.00	5.00	Operational	Comply
30	**Mettur STP-1**	**0.82**	**0.30**	**Opertional**	**Comply**
	Mettur STP-2	**0.92**	**0.15**	**Opertional**	**Comply**
	Mettur STP-3	**5.45**	**2.40**	**Opertional**	**Comply**
31	**Kumbakonam**	**17.00**	**12.00**	**Operational**	**Comply**

S. No	Location	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
32	Nagapattinam STP-1	9.63	4.50	Operational	Comply
	Nagapattinam STP-2	2.69	0.40	Operational	Comply
33	Tiruvarur	6.92	4.10	Operational	Comply
34	Ariyalur	4.16	1.00	Operational	Comply
35	Pudukkottai	10.62	4.00	Operational	Comply
36	**Mayiladuthurai**	**5.85**	**5.85**	**Operational**	**Comply**
37	Perambalur	4.20	3.60	Operational	Comply
38	Udhagamandalam	5.00	4.00	Operational	Comply
39	Udumalaipet	7.81	3.50	Operational	Comply
40	Virudhunagar	7.65	3.68	Operational	Comply
Total	**49 nos**	**857.20**	**341.62**		

Details of each existing STP in the State (DTP)

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Mamallapuram TP	2.34	1.00	Operational	Comply
2	Orathanadu TP	2.30	1.30	Operational	Comply
3	Thiruchendur TP	3.90	1.40	Operational	Non-Comply
4	Palanichettypatti TP	2.80	2.80	Operational	Non Comply
5	Thirumazisai TP	3.00	1.00	Operational	Comply
Septage Management					
6	Karunguzhi	0.024	0.024	Operational	
7	Periyanaikanpalayam	0.03	0.03	Operational	

Details of under construction STPs in the State (CMA)

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	-	-	Alternate site to be identified & it will be completed on Oct'22.
2	Avadi	36.00	80%	-	March-21
3	Coimbatore - Nanjudapuram	40.00	70%	-	Feb-21
	Coimbatore – Kuruchi & kuniyamuthur	30.53	16%	-	Jan-22
4	Karaikudi	16.00	67%	-	March-21
5	**Mettupalayam**	**8.65**	**79%**	**-**	**June- 21**
6	Nagercoil	17.66	90%	-	Dec-20
7	Pollachi	11.25	81%	-	Dec-20
8	Rajapalayam	21.85	-	-	WO order issued & Work to be commenced & it will be completed on Dec'21.
9	Rameshwaram	4.08	57%	-	Dec'21
10	Rasipuram	6.96	100%	-	Collection system will be Completed on Dec'20
11	**Sathiyamangalam**	**4.08**	**99%**	**-**	**Dec'20**
12	Saththur	4.65	65%	-	March-21
13	Tambaram	30.00	95%	3930	December'20
14	Tiruppur (3nos)	15.00	5%	-	March-22
15	**Trichirapalli-STP1**	**30.00**	**50%**	**-**	**July-21**
	Trichirapalli-STP2	**37.00**	**35%**	**-**	**Aug-21**
16	Tuticorin	28.00	45%	-	March-21
17	Vellore	50.00	37%	-	March-21
Total		**432.62**			

In addition to above, 49 no. of FSTPs are proposed & various of implementation. In which 5 no of FSTPs falls under polluted river stretches(Cauvery- 1no, Vasista -1 no, Sarabanga – 1 no & Thamirabarani – 2 nos.)

S.No	Progress	Number of FSTPs
1	Completed / Nearing completion	6
2	Intermediate / Advanced stage	20
3	Initial stage/ Preparatory Stage	19
4	Tendering stage DPR	4
	Total	**49**

Details of under construction STPs in the State (DTP)

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ulunderpettai TP	3.15	97% completed	6176	Dec-20
2	Sriperumbudur TP	8.50	73% completed	5028	Work in progress March-21
3	Velankanni TP	2.33	99% completed	864	Dec-20
4	Thiruporur TP	4.02	59% completed	3288	Mar-21
5	Ponneri TP	6.52	30% completed	1132	Mar-21
6	Manachanallur TP	6.41	90% completed	3671	Dec-20
7	S.Kannanur TP			1990	
8	Vallam TP	2.35	97% completed	2770	Jan-21
9	Perundurai TP	3.14	90% completed	3390	Jan-21
10	Melachokanathapuram TP	2.00	30% completed	473	May-21
Septage Management					
11	Mudukulathur TP	0.015	65% completed	-	Dec-20
12	Jalakandapuram TP	0.015	75% completed	-	Dec-20
13	Pennagaram TP	0.015	20% completed	-	Dec-20
14	Kaveripattinam TP	0.015	60% completed	-	Dec-20
15	Chengam TP	0.020	70% completed	-	Dec-20
16	Kurumbalur TP	0.010	40% completed	-	Dec-20
17	Pennadam TP	0.010	20% completed	-	Jan-21
18	Alangayam TP	0.015	20% completed	-	Dec-20

Details of proposed STPs in the State (CMA)

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
1	**Sathiyamangalam**	**1.13**	**DPR Prepared**	**-**
2	**Tirunelveli**	**34.00**	**Under DPR stage**	**-**

Details of proposed STPs in the State (DTP)

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
1	Mangadu		DPR stage-Comprehensive UGSS in poonamallee cluster A with Mangadu Town Panchayat and 12 Village Town Panchayat	
2	Chitlapakkam		Detailed project Report prepared under TUFIDCO for Sembakkam cluster basis with 13 local bodies(Fund assistance from Project Development Grant Fund)	
3	Madampakkam		Detailed project Report prepared under TUFIDCO for Sembakkam cluster basis with 13 local bodies(Fund assistance from Project Development Grant Fund)	
4	Peerkankaranai		DPR has to be prepared through TNUISFL by cluster method	
5	Perungalathur		DPR has to be prepared through TNUISFL by cluster method	
6	Thiruneermalai		DPR as to be prepared through TNUISSL by cluster basis	

Details of proposed STPs/FSTPs in the State (DTP)

S. No	Name of the ULB	STP/ FSTPs	STP/FSTPs capacity in MLD/ KLD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
1	Musiri TP	-	-	DPR Stage	-	-	PWD	-	The DPR is under preparation by WAPCOS/ PWD.
2	Sirugamani TP	-	-	DPR Stage	-	-	PWD	-	"
3	Mohanur TP	-	-	DPR Stage	-	-	PWD	-	"
4	Velur TP	-	-	DPR Stage	-	-	PWD	-	"
5	Punjai Pugalur TP	-	-	DPR Stage	-	-	PWD	-	"
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	Poallampatty TP	-	-	DPR Stage	-	-	DTP	-	Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. The DPR will be expected to be ready by 31.12.2020
11	Pethanaickenpalayam TP	-	-	DPR Stage	-	-	DTP	-	"
12	Yethapur TP	-	-	DPR Stage	-	-	DTP	-	"
13	Belur TP	-	-	DPR Stage	-	-	DTP	-	"
14	Srivaikundam TP	-	-	DPR Stage	-	-	DTP	-	"

15	Authoor TP	-	-	DPR Stage	-	-	DTP	-	"
16	Eral TP	-	-	DPR Stage	-	-	DTP	-	"
17	Alwarthirunagari TP	-	-	DPR Stage	-	-	DTP	-	"
18	Then Thiruperai TP	-	-	DPR Stage	-	-	DTP	-	"
19	Arumuganeri TP	-	-	DPR Stage	-	-	DTP	-	"
20	Mukkudal TP	-	-	DPR Stage	-	-	DTP	-	"
21	Gopalasamudram TP	-	-	DPR Stage	-	-	DTP	-	"
22	Kallidaikurichi TP	-	-	DPR Stage	-	-	DTP	-	"
23	Cheranmahadevi TP	-	-	DPR Stage	-	-	DTP	-	"
24	Veeravanallur TP	-	-	DPR Stage	-	-	DTP	-	"
25	Patthamadai TP	-	-	DPR Stage	-	-	DTP	-	"
26	Mela Seval TP	-	-	DPR Stage	-	-	DTP	-	"
27	Kuthalam TP	-	-	DPR Stage	-	-	PWD	-	The DPR is under preparation by WAPCOS/ PWD.
28	Thirukattupalli TP	-	-	DPR Stage	-	-	PWD	-	"
29	Thiruvaiyaru TP	-	-	DPR Stage	-	-	PWD	-	"

IV. Details of Industrial Pollution:

No.	Details of Industries	Status
1.	No. of industries in the State:	46,401
2.	No. of water polluting industries in the State:	11,445
3.	Quantity of effluent generated from the industries in MLD:	1948.65 MLD
4.	Quantity of Hazardous Sludge generated from the Industries in TPD:	929250.0271 MT/A (2019-20)
5.	Number of industrial units having ETPs:	11,445
6.	Number of industrial units connected to CETP:	1497
7.	Number and total capacity of ETPs (details of	Details furnished below

	existing/ under construction / proposed)	
8.	Compliance status of the ETPs:	Details furnished below
9.	Number and total capacity of CETPs (details of existing/ under construction / proposed)	Existing – 36 Proposed – 10
10	Status of compliance and operation of the CETPs	Details furnished below

Status of compliance and operation of the CETPs

S.No.	Town	No. of industries	No. of industrial units connected to CETP.	Industrial Discharge (KLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
1	Trichy	1	7	201.4	Complying	-
2	Dindigul	1	49	1517	Complying	-
3	Perundurai	1	14	1000	Complying	-
4	Ambur	1	49	1150	Complying	-
5	Ambur	1	17	330	Complying	-
6	Peranambut	1	36	600	Complying	-
7	Vaniyambadi	1	110	2000	Complying	-
8	Ranipet	1	82	3600	Complying	-
9	Ranipet	1	79	1875	Complying	-
10	Ranipet	1	40	700	Complying	-
11	Melvisharam	1	36	600	Complying	-
12	Madhavaram	1	15	400	Complying	-
13	Pallavaram	1	144	3000	Not Complying	-
14	Sivagangai	1	48	49.6	Not Complying	-
15	Ambattur	1	211	200	Not Complying	-
16	Tiruppur	1	75	7000	Complying	-
17	Tiruppur	1	6	180	Complying	-
18	Tiruppur	1	29	3555	Complying	-
19	Tiruppur	1	12	3520	Complying	-

20	Tiruppur	1	18	2750	Complying	-
21	Tiruppur	1	60	4785	Complying	-
22	Tiruppur	1	28	3748	Complying	-
23	Tiruppur	1	69	10758	Complying	-
24	Tiruppur	1	4	2250	Complying	-
25	Tiruppur	1	17	4950	Complying	-
26	Tiruppur	1	23	4500	Complying	-
27	Tiruppur	1	12	2700	Complying	-
28	Tiruppur	1	8	165	Complying	-
29	Tiruppur	1	15	2750	Complying	-
30	Tiruppur	1	15	2485	Complying	-
31	Tiruppur	1	19	4500	Complying	-
32	Tiruppur	1	25	3150	Complying	-
33	Tiruppur	1	9	1350	Complying	-
34	Perundurai	1	14	2681	Complying	-
35	Kanchipuram	1	62	1500	Not complying Under closure	-
36	Kodaikanal	1	40	850	Complying	-
Total		**36**	**1497**			

Detais of CETP under construction/tendering/proposed

Industrial waste water Generated in ULB	Industrial waste water Generated quantity	CETP Proposed, if any	Status (DPR/ tendering/ under construction/ ETC etc.)
Major Corporations, Municipalities and Town Panchayats along Polluted River Stretches	452 MLD	10 CETP of 41 MLD capacity	10 CETP (Land identified, awaiting for fund from the Government) CTE issued for a period upto 31.03.2024.

V. Solid Waste Management:

No.	Solid Waste Management	Status
1.	Total number of Urban Local Bodies and their Population	**13,188** (135+528+12525) **137937632**
2.	Current Municipal Solid Waste Generation TPD	**13726** (6526+2100+8.666+5100)
3.	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	1. CMA details enclosed in Annexure-I 2. DTP Total MSW generated – 2100 TPD Total MSW processed – 1819.21 TPD Gap in processing – 280.79 TPD 3. RD&PR- Nil
4.	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	DTP - Incinerators are proposed to install for processing non-recyclable dry waste in cluster basis.
5.	No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil
6.	Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	CMA –Details enclosed in Annexure-I DTP - Door to Door Collection-7956 Source Segregation -7459 RD&PR – 12,525 VP having facilities like Door to Door collection, Segregation by

		using 66,130 Thooimai Kaavalars.
7.	Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	CMA – Details enclosed in Annexure- I DTP - 1 Incinerator have been completed and 9 Nos are under progress 2 Pyrolysis plant have been completed and 8 Nos are proposed to install for processing non-recyclable dry waste in cluster basis.
8.	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Nil
9.	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	CMA -1 No.(Erode) & 19 acres-Bio -mining Work is under progress.
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	CMA & DTP- Nil RD&PR – 38 Nos of community Vertical/ Horizontal filters constructed at the end point of street drain in 31 VP under MGNREGS.

CMA: Status of ULB wise Management of Solid Waste Enclosed in Annexure –I

DTP: 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
528	2100	1819.21	1.windrow compost	6250.47 TPD	Incinerators are proposed to install for processing non-recyclable dry waste in cluster basis
			2.vermi compost	662.67 TPD	
			3.Decentralized composting	118.02 TPD	
			4. Biogas	167.37 TPD	
			5.Incinerator	Under construction will be completed before March2021	
			6.Pyrolysis	Under construction will be completed before March2021	

RD&PR Status of ULB wise Management of Solid Waste

Name of the Rural Local	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	Remarks
Thottipalayam	0.140	0.140	0.50	-	-	Garbage Collection is being done by Thooimai Kavalars. Collected Garbage has been properly segregated in the segregation shed. In this Shed, the Garbage is segregated as biodegradable and
Andikulam	0.120	0.120	0.50	-	-	
A. Erayamangalam	0.3	0.3	0.3	-	-	
Molasi	0.3	0.3	0.3	-	-	
Patlur	0.2	0.2	0.2	-	-	
Kokkarayanpettai	0.35	0.35	0.35	-	-	
Keelapattam	0.487	0.49	0.487	-	-	
Seevalaperi	0.618	0.62	0.618	-	-	
Thirupadaimaruthur	0.224	0.22	0.224	-	-	
Thathiyampatti	0.040	0.040	0.040	-	-	

T.Konagapadi	0.030	0.030	0.030	-	-	non biodegradable wastes. The biodegradable garbage are dumped in pits and the decompost manure are sold by the concerned local body. Non-bio-degradable recyclable wastes are stored in storage shed and sale those waste to Scrap dealers and the sold amount are being remitted to Village Panchayat SWM account.
Manivizhunthan	0.075	0.08	0.075	-	-	
Thiyaganur	0.020	0.020	0.020	-	-	
S.Papparapatty	There is no mixing of sewage water and garbage in Thirumanimutharu which passes through S Paparapatti Village panchayat					
Murappanadu Puthugramam	0.125	0.125	0.125	-	-	
Mukkani	0.218	0.218	0.218	-	-	
Vallavallan	0.464	0.464	0.464	-	-	
V. Athichanallur	0.136	0.136	0.136	-	-	
Muthulankurichi	0.128	0.128	0.128	-	-	
Karungulam	1.722	1.722	1.722	-	-	
Nanalkadu	0.347	0.347	0.347	-	-	
Arampannai	0.376	0.376	0.376	-	-	
Kongarayakurichi	0.389	0.389	0.389	-	-	
Sernthamangalam	0.291	0.291	0.291	-	-	
Kurangani	0.107	0.107	0.107	-	-	
Rajapathy	0.158	0.158	0.158	-	-	
Sethukuvaithan	0.351	0.351	0.351	-	-	
Athinathapuram	0.169	0.169	0.169	-	-	
Thirukalur	0.377	0.377	0.377	-	-	
Kadayanodai	0.145	0.145	0.145	-	-	
Umarikadu	0.259	0.259	0.259	-	-	
Total	8.666	8.666	9.406	-	-	

VI. Bio-medical Waste Management:

No.	Bio-medical Waste Management	Status
1.	Total Bio-medical generation:	70.5 TPD
2.	No. of Hospitals and Health Care Facilities:	24,573
3.	Status of Treatment Facility/ CBMWTF:	12 Nos

VII. Hazardous Waste Management:

No.	Hazardous Waste Management	Status
1.	Total Hazardous Waste generation	10,59,386.6 T/A 9,29,250.0271MT/A
2.	No. of Industries generating Hazardous waste	3961 units
3.	Treatment Capacity of all TSDFs	1,00,000 T/A- Land fillable

		1.5 T/Hr. – Incinerable 2,40,000 T/A –Land fillable
4.	Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	90,296 T/A for Land fillable 5272 T/A for Incinerable
5.	Details of on-going or proposed TSDF	NIL

VIII. Plastic Waste Management:

Sl. No.	Plastic Waste Management	Status
1.	Total Plastic Waste generation:	1182 MTD
2.	Treatment/ Measures adopted for reduction or management of plastic waste:	With respect to urban local bodies recyclable/Saleable plastics are been sold to authorized vendors. Non-saleable plastics are been sent to cement factories and are used as component roads & Incinerators are proposed to install for processing non-recyclable dry waste in cluster basis With respect to Villages plastic waste are collected and handed over to shredded unit run by Mahalir Thittam.

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 insitu treatment:

Sl.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	I&D Work DPR under preparation
3.	Cauvery	Kulithalai	3	I&D Work DPR under preparation

4	Cauvery	Bhavani	6	I&D Work DPR under preparation
5	Tamirabarani	Ambasamudram	6	I&D Work DPR under preparation
6	Tamirabarani	Vickaramasingapuram	12	I&D Work DPR under preparation
7	Vasista	Attur	3	I&D Work DPR under preparation
8	Vasista	Narasingapuram	3	I&D Work DPR under preparation
9	Sarabanga	Idappadi	22	I&D Work DPR under preparation

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

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

XIII. Latest water quality of polluted river (Enclosed in Annexure-V), its tributaries, drains with flow details and ground water quality in the catchment of polluted river (Enclosed in Annexure-IV):

XIV. Ground water regulation:

PWD furnished the said details and enclosed in Annexure-IV.

XV. Good irrigation practices being adopted by the State:

PWD furnished the said details and enclosed in Annexure-IV.

XVI. Rain Water Harvesting:

PWD furnished the said details and enclosed in Annexure-IV.

XVII. Demarcation of Floodplain and removal of illegal encroachments:

PWD furnished the said details and enclosed in Annexure-IV.

XVIII. Maintaining minimum e-flow of river: e-flow of river:

PWD furnished the said details and enclosed in Annexure-IV.

XIX. Plantation activities along the rivers:

PWD furnished the said details and enclosed in Annexure-IV.

XX. Development of biodiversity park:

PWD furnished the said details and enclosed in Annexure-IV.

XXI. Reuse of Treated Water:

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

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

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

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 13 Coastal States:

The details are being collected from the concerned departments such as CMA, DTP, CMWSSB & DoE.

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

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

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 Polluted River Stretches during the month of September 2020
Status of Polluted River Stretches in the State of Tamilnadu

I Total No. of Polluted River Stretches: 6 numbers:

SI. No.	Name of the River	Total Length of the River	Polluted River Stretch Details	Distance in Kms	Priority
1	Sarabanga	70	Thathayampatti to T.Konagapadi	15	I
2	Thirumanimutharu	120	Salem to Papparapatti	15	I
3	Vasista	87	Manivilundhan to Thiyaganur	10	I
4	Cauvery	253	Mettur to Mayiladuthurai	200	I
5	Bhavani	217	Sirumugai to Kalingarayan	60	IV
6	Thamirabarani	128	Pappankulam to Arumuganeri	80	V

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 10 Nos. and 260.8
- Capacity Utilization of existing STPs (in MLD): 115.7
- MLD of sewage being treated through Alternate technology:
  In the 6 Polluted River Stretches, there are 31number of Village Panchayats in which 2201 house hold soak pits, 31 Community Soak pits and 38 Horizontal/ Vertical filters constructed and completed under MGNREGS
- Gap in Treatment Capacity in MLD: 145.10
- No. of Operational STPs: 10
- No. of Complying STPs: 10
- No. of Non-complying STPs: Nil

Details of each existing STP in the PRS (CMA)

S. No	Name of the River	Name of Corporation/ Municipality	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
1	Sarabanga	Idappadi	-	-	-	-
2	Thirumanimutharu	Salem	98.00	10.00	Operational	Comply
3	Vasista	Attur		-		
		Narasingapuram		-		
4	Cauvery	Mettur	7.2	2.85	Operational	
		Komarapalayam		-		
		Pallipayam		-		
		Kulithalai		-		
		Bhavani		-		
		Kumba konam	17.0	12.00	Operational	Comply
		Mayiladuthurai	5.85	5.85	Operational	Comply
		Trichy	58.00	58.00	Operational	Comply
5	Bhavani	Erode	50.55	18.50	Operational	Comply
		Gobichettipalayam	-	-		
		Mettupalayam	-	-		
		Sathyamangalam		-		
6	Tamirabarani	Ambasamudram	-	-		.
		Vickramasingapuram	-	-		
		Tirunelveli	24.20	8.50	Operational	Comply
		TOTAL	**260.8**	**115.7**		

Details of each existing STP in the State (DTP)-Nil

Details of under construction STPs in the State (CMA)

Name of the River	Town	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
Cauvery	Trichy	STP1 30.0	50%	-	July-21
		STP2 37.0	35%	-	Aug-21
Bhavani	Mettupalayam	8.65	79%	-	June-21
	Sathiyamangalam	4.08	99%	-	Dec'20
	TOTAL	79.73			

In addition to above, 5 no of FSTPs falls under polluted river stretches (Cauvery- 1no, Vasista -1 no, Sarabanga – 1 no & Thamirabarani – 2 nos.)

S.No	Progress	Number of FSTPs
1	Completed / Nearing completion	6
2	Intermediate / Advanced stage	20
3	Initial stage/ Preparatory Stage	19
4	Tendering stage DPR	4
	Total	**49**

Details of under construction STPs in the State (DTP) – Nil

Details of proposed STPs in the State (CMA)

No.	Name of the River	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	Bhavani	Sathiyamangalam	1.13	DPR Prepared	-
2	Tamirabarani	Tirunelveli	34.00	Under DPR stage	-

Details of proposed STPs in the State (DTP)

No.	Name of the River	Name of the Town Panchayat	Status of DPR preparation	Designated Nodel Agency	Remarks
1	Sarabanga	Omalur	DPR stage	PWD	DPR is under preparation by WAPCOS/PWD
		Poolampatty	DPR stage	DTP	TN water Investment Company (M/s TWIC) has been appointed as consultant for preparation of DPR, which will be expected to be ready by 31.12.2020.
2	Thirumanimutharu	-	-	-	-
3	Vasista	Pethanaickenpalayam	DPR stage	DTP	TN water Investment Company (M/s TWIC) has been appointed as consultant for preparation of DPR, which will be expected to be ready by 31.12.2020.
		Yethapur	DPR stage	DTP	
		Belur	DPR stage	DTP	

4	Cauvery	Musiri	DPR stage	PWD	DPR is under preparation by WAPCOS/PWD
		Sirugamani	DPR stage	PWD	
		Mohanur	DPR stage	PWD	
		Velur	DPR stage	PWD	
		Punjai Pugalur	DPR stage	PWD	
		Thiruvaiyaru	DPR stage	PWD	
		Kuthalam	DPR stage	PWD	
		Thirukkattupalli	DPR stage	PWD	
		Madathukulam	DPR stage	PWD	
5	Bhavani	Bhavanisagar	DPR stage	PWD	
		Sirumugai	DPR stage	PWD	
6	Tamirabarani	Srivaikuntam	DPR stage	DTP	TN water Investment Company (M/s TWIC) has been appointed as consultant for preparation of DPR, which will be expected to be ready by 31.12.2020.
		Authoor	DPR stage	DTP	
		Eral	DPR stage	DTP	
		Alwarthirunagari	DPR stage	DTP	
		Thenthiruperai	DPR stage	DTP	
		Arumuganeri	DPR stage	DTP	
		Mukkudal	DPR stage	DTP	
		Gopalasamudram	DPR stage	DTP	
		Kallidaikurich	DPR stage	DTP	
		Cheranmahadevi	DPR stage	DTP	
		Veeravanalllur	DPR stage	DTP	
		Pathamadai	DPR stage	DTP	
		Melaseval	DPR stage	DTP	

IV <u>Details of Industrial Pollution:</u>

No.	Details of Industries	Status
1.	No. of industries in the PRS:	7,381
2.	No. of water polluting industries in the PRS:	
3.	Quantity of effluent generated from the industries in MLD:	452.696 MLD
4.	Quantity of Hazardous Sludge generated from the Industries in TPD:	
5.	Number of industrial units having ETPs:	1770
6.	Number of industrial units connected to CETP:	Nil
7.	Number and total capacity of CETPs (details of existing/ under construction / proposed)	10
8.	Compliance status of the CETPs:	

V <u>Solid Waste Management:</u>

No.	Solid Waste Managment	Status
1.	Total number of Urban Local Bodies and their Population	75
2.	Current Municipal Solid Waste Generation	1531.75 MTD
3.	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	Details enclosed in Annexure-I,II,III
4.	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	Incinerators are proposed to install for processing non –recyclable dry waste in cluster basis.
5.	No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	Nil
6.	Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	Details enclosed in Annexure-I
7.	Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Details enclosed in Annexure-I,II
8.	No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Nil
9.	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers	Erode & 19 Acres Biomining works is under progress .
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	38 Nos of Community Vertical/ Horizontal filters have been constructed at the end point of street drains in 31VP under MGNREGS.

Status of ULB wise Management of Solid Waste - (CMA)

Name of the River	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
Sarabanga	Idappadi	14		MCC (5) OCC (2)	15 MT 0.2 MT	--
Thirumanimutharu	Salem	350		Biomethanation plant (2) MCC (26) OCC (20)	8 MT 130 MT 7 MT	
Vasista	Attur	12		MCC (4) OCC (4)	12 MT 0.388MT	
	Narasingapuram	7.05		MCC (3) OCC (1)	10 MT 0.1 MT	
Cauvery	Mettur	15		Biomethanation plant (1) MCC (3) OCC (1)	5 MT 9 MT 0.15 MT	
	Komarapalayam	15		MCC (2) OCC (1)	5 MT 0.15 MT	
	Pallipayam	12		Biomethanation plant (1) MCC (3)	5 MT 2 MT	
	Kulithalai	7		Windrow Compost (1) Vermi Compost (1) MCC (2) OCC (1)	2.40 MT 1.60 MT 2 MT 0.118 MT	
	Bhavani	9		MCC (2)	10 MT	
	Kumba konam	70		Biomethanation plant (1)	5 MT	

				MCC (5) OCC (34)	20 MT 16.5 MT	
	Mayiladuthurai	32		MCC (3) OCC (5)	15 MT 2.5 MT	
	Trichy	351		Biomethanation plant (2) MCC (34) OCC (22)	7 MT 170 MT 8 MT	
Bhavani	Erode	158		Biomethanation plant (2) MCC (24) OCC (23)	11 MT 88 MT 11 MT	
	Gobichettipalayam	18		Windrow Compost (1) Biomethanation plant (1) MCC (2) OCC (7)	9 MT 3 MT 7 MT 3.5 MT	
	Mettupalayam	22		Biomethanation plant (1) MCC (2) OCC (3)	3 MT 8 MT 1.5 MT	
	Sathyamangalam	10		Windrow Compost (1) MCC (2) OCC (1)	0.83 MT 5 MT 0.5 MT	
Tamirabarani	Ambasamudram	9		MCC (3) OCC (5)	9 MT 1.0 MT	
	Tirunelveli	170		Biomethanation plant (2) MCC (41) OCC (4)	7 MT 97 MT 8.0 MT	

Status of ULB wise Management of Solid Waste - (DTP)

Name of the River	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
Sarabanga	Omalur	7.06	6.62	Windrow compost	6.62	0.44/Dec 20
	Poolampatty	1.84	1.72		1.72	0.12
Thirumanimutharu	-					
Vasista	Pethanaickenpalayam	3.41	3.20		3.20	0.21/Dec 20
	Yethapur	3.51	3.29		3.29	0.22/Dec 20
	Belur	2.12	1.98		1.98	0.14
Cauvery	Musiri	9.66	9.07		9.07	0.59/Dec 20
	Sirugamani	2.02	1.90		1.90	0.12
	Mohanur	3.17	2.97		2.97	0.2/Dec 20
	Velur	8.69	8.26	Vermi compost	8.26	0.43
	Punjai Pugalur	6.89	6.48		6.48	0.41/Dec 20
	Thiruvaiyaru	5.11	4.80		4.80	0.31
	Kuthalam	3.77	3.54		3.54	0.23/Dec 20
	Thirukkattupalli	5.21	4.89		4.89	0.32/Dec 20
	Madathukulam	5.71	5.35		5.35	0.36
Bhavani	Bhavanisagar	2.33	2.19		2.19	0.14/Dec 20
	Sirumugai	3.04	2.85		2.85	0.19/Dec 20
Tamirabarani	Srivaikuntam	4.67	4.38	Decentralized Composting	4.38	0.29/Dec 20
	Authoor	2.21	2.07		2.07	0.14/Dec 20
	Eral	3.32	3.11		3.11	0.21/Dec 20
	Alwarthirunagari	1.73	1.63		1.63	0.1
	Thenthiruperai	0.92	0.86	Biogas	0.86	0.06
	Arumuganeri	5.49	5.16		5.16	0.33/Dec 20
	Mukkudal	5.63	5.23		5.23	0.4/Dec 20
	Gopalasamudram	2.17	2.07		2.07	0.1/Dec 20
	Kallidaikurich	10.65	10.02		10.02	0.63
	Cheranmahadevi	5.92	5.55		5.55	0.37
	Veeravanalllur	4.25	4.07		4.07	0.18
	Pathamadai	3.44	3.34		3.34	0.1/Dec 20
	Melaseval	1.81	1.70		1.70	0.11/Dec 20

Status of ULB wise Management of Solid Waste - (RD & PR)

Name of the River	Village Panchayats	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
Sarabanga	Thathayampatti	0.040	0.040	0.040	-	-
	T.Kongapadi	0.030	0.030	0.030	-	-
Thirumanimutharu	Papparapatti	There is no mixing of sewage water and garbage in Thirumanimutharu			-	-

		which passes through S Paparapatti Village panchayat				
Vasista	Manivilundhan	0.075	0.08	0.075	-	-
	Thiyaganur	0.020	0.020	0.020	-	-
Cauvery	Kokkarayanpettai	0.35	0.35	0.35	-	-
	Patlur	0.2	0.2	0.2	-	-
	A.Erayamangalam	0.3	0.3	0.3	-	-
	Molasi	0.3	0.3	0.3	-	-
Bhavani	Thottipalayam	0.140	0.140	0.50		
	Andikulam	0.120	0.120	0.50		
Tamirabarani	Thirupudaimaruthur	0.224	0.22	0.224	-	-
	Seevalaperi	0.618	0.62	0.618	-	-
	Keelapattam	0.487	0.49	0.487	-	-
	Murappanadu Puthugramam	0.125	0.125	0.125	-	-
	Sernthamangalam	0.291	0.291	0.291	-	-
	Athinathapuram	0.169	0.169	0.169	-	-
	Kadayanodai	0.145	0.145	0.145	-	-
	Kurangani	0.107	0.107	0.107	-	-
	Rajapathy	0.158	0.158	0.158	-	-
	Sethukuvaithaan	0.351	0.351	0.351	-	-
	Nanalkadu	0.347	0.347	0.347	-	-
	Karungulam	1.722	1.722	1.722	-	-
	Muthalankurichi	0.128	0.128	0.128	-	-
	Arampannai	0.376	0.376	0.376	-	-
	Kongarayankurichi	0.389	0.389	0.389	-	-
	Umarikadu	0.259	0.259	0.259	-	-
	Thirukalur	0.377	0.377	0.377	-	-
	V.Athichanallu	0.136	0.136	0.136	-	-

VI. Bio-medical Waste Management:

No.	Bio-medical Waste Management	Status
1.	Total Bio-medical generation:	22.708TPD

VII. Hazardous Waste Management:

No.	Hazardous Waste Management	Status
1.	Total Hazardous Waste generation	1947

VIII. Plastic Waste Management:

Sl. No.	Plastic Waste Management	Status
1.	Total Plastic Waste	50.1MTD

	generation:	
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 a sa component roads Incinerators are proposed to install for processing non-recyclable dry waste in cluster basis

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 insitu treatment:

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

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

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

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XX. Development of biodiversity park:

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

In this regard, Tamil Nadu Government has launched wastewater 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

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 13 Coastal States:

The details are being collected from the concerned departments such as CMA, DTP, CMWSSB, & DoE.

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

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

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)

September 2020

Sl. No.	Progress report submitted by department	Enclosures
1.	Commissionerate of Municipal Administration (CMA)	Enclosed vide Annexure –I
2.	Director of Town Panchayat (DTP)	Enclosed vide Annexure –II
3.	Department of Panchayat Raj and Rural Development (DRD&PR)	Enclosed vide Annexure –III
4.	Public Works Department PWD&WRD	Enclosed vide Annexure –IV
5.	Tamil Nadu Pollution Control Board	Enclosed vide Annexure –V

Annexure – I - CMA

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 Tamilnadu

Overall status of the CMA:

I. Total Population : 1,67,05,001

II. Estimated Sewage Generation (MLD): 1523.98

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 49 Nos & 857.20 MLD
- Capacity Utilization of existing STPs: 341.62MLD
- MLD of sewage being treated through Alternate technology: Nil
- Gap in Treatment Capacity in MLD : 666.78 MLD
- No. of Operational STPs: 49 Nos
- No. of Complying STPs: 49 Nos
- No. of Non-complying STPs: Nil

Details of each existing STP in the State

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 60.00	35.00 5.00	Operational Operational	Comply Comply
2	Vellore	10.28	7.50	Operational	Comply
3	Dindigul	13.65	3.00	Operational	Comply
4	**Tiruchirappalli**	**58.00**	**58.00**	**1) Operational 58.64 MLD 2) Under rejuvenation - 30 MLD in AMRUT**	**Comply**
5	Avadi	4.00	2.00	1 STP (4mld) - Completed 36 MLD under progress	Comply
6	Madurai	170.70 MLD (45.70 + 125.00)	38.00	Operational	Comply

S. No	Location	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
		MLD			
7	**Salem - Vellakuttai STP**	**13.00**	**6.00**	**Operational**	**Comply**
	Salem - Anaimedu STP	**6.00**	**3.00**	**Operational**	**Comply**
	Salem - Mankuttai STP	**35.00**	**1.00**	**Operational**	**Comply**
	Salem - Vandipattai STP	**44.00**	**-**	**Completed & Power connection to be obtained**	**-**
8	**Tirunelveli**	**24.20**	**8.50**	**Operational**	**Comply**
9	Thanjavur	28.05	14.15	Under Renovation	Comply
10	Tiruppur	15.00	7.50	Operational	Comply
11	**Erode**	**50.55**	**18.50**	**Operational**	**Comply**
12	Cuddalore	12.25	6.00	Operational	Comply
13	Kanchipuram	14.50	13.50	Operational	Comply
14	Maraimalai Nagar	2.20	1.80	Operational	Comply
15	Pallavapuram	(CMWSSB STP 115@Perungudi)		Operational	Comply
16	Tiruvallur	6.20	3.60	Operational	Comply
3	Chidambaram	9.44	2.10	Operational	Comply
17	Thiruvannamalai	8.70	4.50	Operational	Comply
18	Viluppuram - 2Nos	12.50	8.60	Operational	Comply
19	Arakkonam	11.04	1.50	Under Trial run	Comply
20	Thirupathur	11.43	0.50	Under Trial run	Comply
21	Bodinayakkanur	12.08	4.00	Operational	Comply
22	Chinnamanur	3.99	3.72	Operational	Comply
23	Periyakulam	5.47	5.47	Operational	Comply
24	Ramanathpuram	7.00	5.80	Operational	Comply
25	Theni-Allinagaram	12.05	6.50	Operational	Comply
26	Dharmapuri	4.86	3.50	Operational	Comply
27	Karur	15.00	6.50	Operational	Comply
28	Krishnagiri	12.34	7.80	Operational	Comply
29	Namakkal	5.00	5.00	Operational	Comply
30	**Mettur STP-1**	**0.82**	**0.30**	**Opertional**	**Comply**
	Mettur STP-2	**0.92**	**0.15**	**Opertional**	**Comply**
	Mettur STP-3	**5.45**	**2.40**	**Opertional**	**Comply**
31	**Kumbakonam**	**17.00**	**12.00**	**Operational**	**Comply**
32	Nagapattinam STP-1	9.63	4.50	Operational	Comply
	Nagapattinam STP-2	2.69	0.40	Operational	Comply

S. No	Location	Existing Capacity of STP (in MLD)	Capacity being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
33	Tiruvarur	6.92	4.10	Operational	Comply
34	Ariyalur	4.16	1.00	Operational	Comply
35	Pudukkottai	10.62	4.00	Operational	Comply
36	**Mayiladuthurai**	**5.85**	**5.85**	**Operational**	**Comply**
37	Perambalur	4.20	3.60	Operational	Comply
38	Udhagamandalam	5.00	4.00	Operational	Comply
39	Udumalaipet	7.81	3.50	Operational	Comply
40	Virudhunagar	7.65	3.68	Operational	Comply
Total	**49 nos**	**857.20**	**341.62**		

Details of under construction STPs in the State

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	-	-	Alternate site to be identified & it will be completed on Oct'22.
2	Avadi	36.00	80%	-	March-21
3	Coimbatore - Nanjudapuram	40.00	70%	-	Feb-21
	Coimbatore – Kuruchi & kuniyamuthur	30.53	16%	-	Jan-22
4	Karaikudi	16.00	67%	-	March-21
5	**Mettupalayam**	**8.65**	**79%**	**-**	**June- 21**
6	Nagercoil	17.66	90%	-	Dec-20
7	Pollachi	11.25	81%	-	Dec-20
8	Rajapalayam	21.85	-	-	WO order issued & Work to be commenced & it will be completed on Dec'21.
9	Rameshwaram	4.08	57%	-	Dec'21
10	Rasipuram	6.96	100%	-	Collection system will be Completed on Dec'20
11	**Sathiyamangalam**	**4.08**	**99%**	**-**	**Dec'20**

S.No	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
12	Saththur	4.65	65%	-	March-21
13	Tambaram	30.00	95%	3930	December'20
14	Tiruppur (3nos)	15.00	5%	-	March-22
15	**Trichirapalli-STP1**	**30.00**	**50%**	**-**	**July-21**
	Trichirapalli-STP2	**37.00**	**35%**	**-**	**Aug-21**
16	Tuticorin	28.00	45%	-	March-21
17	Vellore	50.00	37%	-	March-21
Total		**432.62**			

In addition to above, 49 no. of FSTPs are proposed & various of implementation. In which 5 no of FSTPs falls under polluted river stretches(Cauvery- 1no, Vasista -1 no, Sarabanga – 1 no & Thamirabarani – 2 nos.)

S.No	Progress	Number of FSTPs
1	Completed / Nearing completion	6
2	Intermediate / Advanced stage	20
3	Initial stage/ Preparatory Stage	19
4	Tendering stage DPR	4
	Total	**49**

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
1	**Sathiyamangalam**	**1.13**	**DPR Prepared**	**-**
2	**Tirunelveli**	**34.00**	**Under DPR stage**	**-**

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	I&D Work DPR under preparation
3	Cauvery	Kulithalai	3	I&D Work DPR under preparation
4	Cauvery	Bhavani	6	I&D Work DPR under preparation
5	Tamirabarani	Ambasamudram	6	I&D Work DPR under preparation
6	Tamirabarani	Vickaramasingapuram	12	I&D Work DPR under preparation
7	Vassista	Attur	3	I&D Work DPR under preparation
8	Vassista	Narasingapuram	3	I&D Work DPR under preparation
9	Sarabanga	Idappadi	22	I&D Work DPR under preparation

XXI. Reuse of Treated Water:

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

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

S. No	Name of the ULB	Quantity (in MLD)	Usage/ Purpose
1	Nagapattinam	2.00	M/s KVK Power for cooling purpose

2	Dindugul	5.00	To maintain the TDS level of Tanners as well for Agro- forestry.
3	Tirunelveli	24.00	Nanguneri SEZ for Industries
4	Perambalur	3.00	MRF Industrial use
5	Ramanathapuram	3.00	NTC Infra
6	Coimbatore	15.00	Agricultural use to farmers association
7	Pollachi	11.50	Agricultural use to farmers association
8	Chinnamannur	3.00	Agricultural use
9	Karur	7.00	Agricultural use
10	Arakkonam	7.00	MRF Industrial use

S.No	Region/Corporation	Waste type	Name of the ULBs	Solid Waste management facility under construction					Solid Waste management facility proposed									Remarks
				Quantity of waste to be treated (TPD)	Treatment Components with capacity TPD	Status	% of progressive completion	Target date of completion	Quantity of waste to be treated (TPD)	Treatment Components with capacity	Whether DPR prepared		Funding Sanctioned		Tendering Process Completed		Work Order	
											Yes/No	Status	Yes/No	Status	Yes/No	Status	Yes/No	
1	Chengalpattu	Wet Waste	Panruti	6	6	Progress	10%	30th November	4	-	Yes	-	Yes	-	Yes	-	Yes	Foundation work in progress
		Dry Waste	Chidambaram	4.5	4.5	Progress	10%	30th November	4	-	Yes	-	Yes	-	Yes	-	Yes	Foundation work in progress
			Anakaputhur	5	5	Progress	90%	31st October	4	-	Yes	-	Yes	-	Yes	-	Yes	Roof Level completed
2	Salem	Wet Waste	Idappadi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Dry Waste		6	10	Truss fabrication work compeleted	40	31.12.2020	0	0	0	0	0	0	0	0	0	
		Wet Waste	Karur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Dry Waste		0	0	0	0	0	25	25	Yes	Bid document sent for technical approach	Yes	0	No	0	No	
3	Thanjavur	Wet Waste	Tiruvarur	6	6	MCC Under Construction	60%	31.12.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Koothanallur	1.5	1.5	Land identified	0	30.11.2020	1.5	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Pudukottai	5	5	MCC Under Construction	1 MCC 80% 1 MCC LITIGATION	31.10.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Thuvakudi	-	-	-	-	-	3.5	MCC 5TPD	Yes	Work order Issued	Yes	-	Yes	-	Yes	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Jayanklondam	4.5	6	MCC Under Construction	40%	31.12.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Maduarai	Wet Waste	Melur	-	-	-	-	-	4	MCC-4	No	-	-	-	-	-	-	Proposal to be submit
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Theni Allinagaram	8	MCC -8	tub work & colum raising work under progress	70	31.10.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Bodinayakanur	10	MCC -10	Roof truss fabrication under progres	70	31.10.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Cumbum	3	MCC -3	Ciel level work	20	31.12.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Gudalur	5	MCC -5	Toilet construction work under progress	60	31.10.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	4	RCC- 4	No	-	-	-	-	-	-	Proposal to be submit
		Wet Waste	Kodaikanal	2	MCC-2	Finishing work under progress	95	20.10.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		3	RCC-3	Basement level under progress	30	31.10.2020	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Palani	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dry Waste		3	RCC-3	Structural work under progress	50	31.10.2020	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Karaikudi	4	MCC-4	To be commenced	Court case		-	-	-	-	-	-	-	-	-	-
		Dry Waste		3	RCC-3	Roof level work under progress	70	31.10.2020	-	-	-	-	-	-	-	-	-	-

		Wet Waste	Ramanathapuram	12	MCC-12	Work under progress	50	31.12.2020	-	-	-	-	-	-	-	-	-	-
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dry Waste	Mettupalayam	4.5	10.0	Work Order Issued Deign Approval obtained from Anna University , Chennai	Civil Work to be stared	31.01.2021	-	-	-	-	-	-	-	-	-	Incinerator of 10TPD Capacity
		Wet Waste	Valparai	3.0	3.0	Work Order Issued Deign Approval obtained from Anna University , Chennai	Civil Work to be stared	31.12.2020	-	-	-	-	-	-	-	-	-	1 MCC Work
5	**Tiruppur**	Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
		Wet Waste	Udumalapet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
		Dry Waste		1.0	2.0	Machinary Erection Work to be started	75%	30.11.2020	-	-	-	-	-	-	-	-	-	1 RRC Work
		Dry Waste		-	-	-	-	-	2.0	5.0	No	-	Yes	-	-	-	-	1 RRC Work - Stopped due to Court Case
		Wet Waste	Punjai Puliampatti	-	-	-	-	-	0.5	3.0	No	-	Yes	-	No	-	No	1 MCC Work - Proposed shifting of Site due to court case
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Wet Waste	Gudalur	1.50	5.00	-	-		1.5	5.0	-	-	Yes	-	-	-	-	1 MCC Work & Compost Yard Work
		Dry Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Wet Waste	Tenkasi															
		Dry Waste							1.70	Incineration	Yes	Tender stage	yes		No		No	Incineration sanctioned in cluster basis
		Wet Waste	Kadayanallur	3.00	3.00	1 MCC Construction work in progress	80%	30.11.2020										
		Dry Waste																
		Wet Waste	Puliangudi															
		Dry Waste							3.16	Incineration	Yes	Tender stage	yes		No		No	Incineration sanctioned in cluster basis
		Wet Waste	Ambasamudram															
		Dry Waste							0.80	Incineration	Yes	Tender stage	yes		No		No	Incineration sanctioned in cluster basis
		Wet Waste	Vickramasingapuram															
		Dry Waste							3.43	Incineration	Yes	Tender stage	yes		No		No	Incineration sanctioned in cluster basis
6	Tirunelveli	Wet Waste	Kuzhithurai	0.40	1 MT OCC	1 MT OCC unnder construction	20%	31.10.2020										
		Dry Waste																
		Wet Waste	Rajapalayam	7.00	7 MT MCC	2 nos of MCC under court case	10%	31.12.2020	5.48	2 OCC and 1 MCC	Yes		Yes		No			Land issue
		Dry Waste																
		Wet Waste	Sivakasi	2.50	3 MT MCC	1 no of MCC under court case	90%	15.11.2020										
		Dry Waste																
		Wet Waste	Srivilliputhur	6.32	7 MT MCC	2 nos of MCC under court case	10%	31.12.2020										
		Dry Waste																
		Wet Waste	Sattur	3.30	6 MT MCC	2 nos of MCC under court case	10%	31.12.2020										
		Dry Waste																

		Wet Waste	Thiruthangal	7.28	9 MT MCC	3 nos of MCC under court case	20%	31.12.2020										
		Dry Waste																
7	Vellore region	Wet Waste	Pernampet	9.00	12.00	Under Construction	67%	31.12.2020										
		Dry Waste		5.70	6.00	Under Construction	67%	31.12.2020										
8	Salem Corporation	Wet Waste	Salem Corporation	25	25	Under Construction	60%	31.3.2021										
		Dry Waste		147	50	Under Construction	45%	31.12.2020										
9	Tirunelveli Corporation	Wet Waste	Tirunelveli Corporation	25	MCC	Work in progress	75%	31.12.2020										
		Dry Waste							10	Incinerator	-	-	Yes	-	No	Tender received and evalvation work in progress	No	-
10	Trichy Corporation	Wet Waste	Trichy Corporation	20	20	4mcc in progress	5%	31.12.2020										
		Dry Waste		23	23	RRC in progress	99%	Completed										
11	Erode	Dry Waste	Erode	35	35	Fabrication	2%	31.12.2020	25							DPR under preparation		
12	Madurai	Wet Waste	Madurai	130	MCC - 23 nos, OCC-25 nos	Under Construction	MCC - 44%, OCC-39%	31.01.2021										
13	Coimbatore	Wet Waste	Coimbatore	250	260	Under Construction	20%	31.01.2021										
14	Dindigul	Dry Waste	Dindigul	10	Incineration - 10 TPD	Under Construction	30%	31.12.2020										
15	Thanjavur	Wet Waste	Thanjavur	63	MCC - 70TPD	Under Construction	25%	31.12.2020										

Commissionerate of Municipal Administration,Chennai
Solid Waste Management Status Report

S.No	Name of ULB's	Total No. of Wards	No of wards in D2D Collection Service	No of wards practicing segregation at source	Total Waste Generated (MT)	Organic Waste (MT)	SWM Processing facilities										RRC / MRF
							Windrow Compost		Vermi Compost		Biomethanation plant		MCC		OCC		
							No.	Capacity in (MT)	No.	Capacity in (MT)	No.	Capacity in (MT)	No	Capacity in MT	No.	Capacity in (MT)	No.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
VELLORE REGION																	
1	Ambur	36	36	30	40	24	1	15	0	0	0	0	1	4	2	4.00	1
2	Arakkonam	36	36	34	28	13	0	0	0	0	0	0	3	12	4	1.00	1
3	Arcot	30	30	26	19	13	0	0	0	0	1	3	2	6	7	3.50	1
4	Gudiyatham	36	36	34	26	15	0	0	0	0	0	0	2	8	9	4.500	1
5	Ranipet	30	30	25	17	10	0	0	0	0	0	0	3	10	3	1.50	2
6	Thirupathur	36	36	30	30	18	0	0	0	0	0	0	4	12	12	6.00	0
7	Vaniyambadi	36	36	32	33	14	0	0	0	0	0	0	6	24	8	7.50	2
8	Walajapet	24	24	20	14	9	0	0	0	0	0	0	3	8	6	3.00	1
9	Jolarpet	18	18	16	10	9	0	0	0	0	0	0	0	0	1	3.00	1
10	Melvisharam	21	21	18	18	11	0	0	0	0	0	0	3	12	0	0.00	1
11	Pernambut	21	21	17	15	12	0	0	0	0	0	0	0	0	4	0.00	1
12	Thiruvannamalai	39	39	35	55	31	0	0	0	0	1	5	12	36	18	2.00	1
13	Arani	33	33	26	27	19	0	0	0	0	0	0	5	20	3	1.50	1
14	Thiruvathipuram	27	27	22	13	11	0	0	0	0	0	0	3	12	3	1.50	1
15	Vandavasi	24	24	19	12	8	0	0	0	0	0	0	3	12.5	1	0.50	1
16	Villupuram	42	42	38	63	38	0	0	0	0	0	0	9	45	8	4.00	1
17	Tindivanam	33	33	30	23	15	0	0	0	0	0	0	4	16	4	2.00	1
18	Kallakurichi	21	21	18	20	14	0	0	0	0	0	0	3	12	12	6.00	1
TOTAL		**543**	**543**	**471**	**463**	**282**	**1**	**15**	**0**	**0**	**2**	**8**	**66**	**250**	**105**	**52**	**19**
	MADURAI REGION																
19	Tirumangalam	27	27	25	24	14	0	0	0	0	0	0	3	12	14	2.00	0
20	Melur	27	27	24	17	10	0	0	0	0	0	0	1	4	6	2.00	0
21	Usilampatti	24	24	15	10	6	0	0	0	0	0	0	1	5	0	0.00	1
22	Theni Allinagaram	33	33	30	33	18	1	8	1	2	0	0	2	8	9	2.00	1
23	Bodinayakanur	33	33	31	31	20	0	0	0	0	0	0	2	10	16	3.00	1
24	Chinnamanur	27	27	24	13	8	1	1	0	0	0	0	2	7	5	1.00	1
25	Cumbum	33	33	31	18	11	1	1.5	0	0	0	0	2	6	5	0.50	1
26	Gudalur	30	30	26	12	8	0	0	0	0	0	0	1	3	0	0.00	1
27	Periyakulam	21	21	16	16	10	1	6	1	2	0	0	0	0	3	0.36	1
28	Kodaikanal	27	22	18	11	9	1	1	0	0	0	0	0	0	4	0.23	0
29	Palani	36	36	31	41	19	1	4	0	0	1	5	1	10	5	2.00	1
30	Oddanchatram	27	27	22	15	11	0	0	0	0	0	0	1	2.0	9	0.50	1
							0	0	0	0	0	0	3	7.5			
31	Sivagangai	33	33	26	18	9	0	0	0	0	0	0	3	9	7	0.35	1
32	Karaikudi	36	36	34	48	28	1	1	0	0	0	0	2	4	22	4.00	2
							0	0	0	0	0	0	4	16			
33	Devakottai	21	21	19	15	16	0	0	0	0	0	0	4	12	7	1.50	0
34	Ramanathapuram	21	21	20	20	17	1	4	0	0	0	0	1	4	5	1.00	1
35	Paramakudi	33	33	31	35	21	0	0	0	0	1	1	3	15	20	6.14	1

S.No	Name of ULB's	Total No. of Wards	No of wards in D2D Collection Service	No of wards practicing segregation at source	Total Waste Generated (MT)	Organic Waste (MT)	SWM Processing facilities										RRC / MRF
							Windrow Compost		Vermi Compost		Biomethanation plant		MCC		OCC		
							No.	Capacity in (MT)	No.	Capacity in (MT)	No.	Capacity in (MT)	No	Capacity in MT	No.	Capacity in (MT)	No.
36	Rameswaram	24	24	22	13	8	1	5.5	1	1	1	1	1	3	3	3.00	1
37	Keelakarai	18	18	15	18	11	1	0.20	0	0	0	0	1	5	2	1.00	0
TOTAL		**531**	**526**	**458**	**408**	**254**	**10**	**32**	**3**	**5**	**3**	**7**	**38**	**142.0**	**142**	**31**	**15**
	TIRUPPUR REGION																
38	Pollachi	36	36	31	32	25	0	0.00	1	1.00	1	5	5	21	13	6.5	2
39	Mettupalayam	33	31	29	22	12	0	0.00	0	0.00	1	3	2	8	3	1.5	1
40	Valparai	21	20	16	4	3	1	1.20	0	0.00	0	0	0	0	1	0.5	0
41	Udumalpet	33	31	27	19	12	0	0.00	0	0.00	0	0	3	12	13	6.5	1
42	Dharapuram	30	30	26	17	11	1	5.00	0	0.00	0	0	2	6	4	2.0	1
43	Kangeyam	18	18	15	11	7	1	4.50	0	0.00	0	0	1	2	1	0.5	1
44	Palladam	21	21	18	11	8	0	0.00	0	0.00	0	0	2	7.5	1	0.5	1
45	Vellakoil	18	18	16	13	7	1	2.35	0	0.00	0	0	2	4	1	0.5	1
46	Gobichettipalayam	30	30	26	18	12	1	9.00	0	0.00	1	3	2	7	7	3.5	1
47	Sathyamangalam	27	27	23	10	7	1	0.83	0	0.00	0	0	2	5	1	0.5	1
48	Bhavani	27	27	23	9	9	0	0.00	0	0.00	0	0	2	10	-	-	1
49	Punjaipuliampatti	18	18	16	6	6	0	0.00	0	0.00	0	0	1	3	5	2.5	2
50	Udhagamandalam	36	34	29	32	25	0	0.00	0	0.00	1	5	6	15	-	-	1
51	Coonoor	30	29	26	11	9	6	2.40	0	0.00	0	0	1	4	4	2.0	1
52	Gudalur	21	21	18	14	9	1	3.00	0	0.00	0	0	1	5	-	-	1
53	Nelliyalam	21	17	17	3	3	1	2.50	0	0.00	0	0	0	0	-	-	1
TOTAL		**420**	**408**	**354**	**232**	**163**	**14**	**31**	**1**	**1**	**4**	**16**	**32**	**110**	**54**	**27**	**17**
	CHENGALPATTU REGION																
54	Chengalpattu	33	28	25	65	11	0	0	0	0	0	0	2	7	7	2.85	1
55	Kancheepuram	51	43	43	22	33	0	0	0	0	1	5	4	20	25	12.50	2
56	Madurantakam	24	22	19	7	3	0	0	0	0	0	0	1	5	1	1.00	1
57	Pallavapuram	42	38	30	104	52	0	0	0	0	1	5	7	27	21	19.00	1
58	Tambaram	39	35	27	90	49	0	0	0	0	0	0	8	32	19	10.00	2
59	Anakaputhur	18	18	18	13	7	0	0	0	0	0	0	2	8	2	1.00	2
60	Maraimalainagar	21	17	14	23	11	0	0	0	0	0	0	4	20.00	2	1.00	1
61	Pammal	21	21	15	31	16	0	0	0	0	0	0	6	20	4	2.00	1
62	Sembakkam	15	15	15	24	12	0	0	0	0	0	0	2	10	7	6.00	1
63	Tiruvallur	27	27	19	24	11	0	0	0	0	0	0	2	9	17	6.50	3
64	Poonamallee	21	19	16	21	11	0	0	0	0	1	5	8	18.10	0	0.00	1
65	Tiruthani	21	18	18	12	6	0	0	0	0	1	5	2	6	0	0.00	1
66	Tiruverkadu	18	18	11	15	11	0	0	0	0	0	0	7	26.85	10	1.50	1
67	Chidambaram	33	31	25	17	7	0	0	0	0	0	0	4	14.00	3	2.50	1
68	Cuddalore	45	37	31	33	24	0	0	0	0	0	0	3	20	10	3.80	1
69	Nellikuppam	30	22	22	13	6	0	0	0	0	0	0	1	2	8	4.00	1

S.No	Name of ULB's	Total No. of Wards	No of wards in D2D Collection Service	No of wards practicing segregation at source	Total Waste Generated (MT)	Organic Waste (MT)	SWM Processing facilities										
							Windrow Compost		Vermi Compost		Biomethanation plant		MCC		OCC		RRC / MRF
							No.	Capacity in (MT)	No.	Capacity in (MT)	No.	Capacity in (MT)	No	Capacity in MT	No.	Capacity in (MT)	No.
70	Panruti	33	28	21	17	9	0	0	0	0	0	0	2	8.00	4	3.00	2
71	Virudhachalam	33	30	24	24	10	0	0	0	0	0	0	2	7	6	4.00	1
TOTAL		**525**	**466**	**393**	**553**	**287**	**0**	**0**	**0**	**0**	**4**	**20**	**67**	**260**	**146**	**81**	**24**
	THANJAVUR REGION																
72	Kumbakonam	45	45	41	70	41	0	0.00	0	0.00	1	5	5	20	34	16.5	2
73	Pattukkotai	33	33	28	30	17	0	0.00	0	0.00	0	0	5	10	12	4	2
74	Nagappattinam	36	36	31	32	19	0	0.00	0	0.00	1	5	3	14	13	6.0	2
75	Mayiladuthurai	36	36	29	32	18	0	0.00	0	0.00	0	0	3	15	5	2.5	1
76	Sirkali	24	24	17	14	9	1	3.00	0	0.00	0	0	2	6	5	2	1
77	Vedaranyam	21	21	19	12	6	0	0.00	0	0.00	0	0	2	6	0	0	0
78	Tiruvarur	30	30	21	22	13	0	0.00	0	0.00	0	0	1	3	5	2.5	1
79	Mannargudi	33	33	28	22	15	1	5.00	0	0.00	0	0	3	11	8	4	1
80	Thiruthuraipoondi	24	24	20	8	5	0	0.00	0	0.00	0	0	1	5	1	0.5	0
81	Koothanallur	24	24	19	7	5	1	1.00	1	1.00	0	0	1	2	4	2.0	1
82	Pudukkottai	42	42	38	70	42	0	0.00	1	2.00	0	0	5	13	21	10.75	1
83	Aranthangi	27	27	27	14	9	1	0.50	1	2.00	0	0	2	4	2	1	2
84	Manapparai	27	27	22	16	7	0	0.00	0	0.00	0	0	1	4	5	2.0	1
85	Thuraiyur	24	24	24	15	10	0	0.00	0	0.00	0	0	3	12	4	2	2
86	Thuvakudi	21	21	17	8	7	0	0.00	0	0.00	0	0	0	0	8	8.5	1
87	Perambalur	21	21	17	18	7	0	0.00	0	0.00	1	3	2	6	1	0.5	2
88	Ariyalur	18	18	16	14	8	0	0.00	0	0.00	0	0	1	5	5	2.5	1
89	Jayankondam	21	21	18	11	9	0	0.00	0	0.00	0	0	1	2	2	0.5	1
TOTAL		**507**	**507**	**432**	**415**	**245**	**4**	**10**	**3**	**5**	**3**	**13**	**41**	**138**	**135**	**68**	**22**
	TIRUNELVELI REGION																
90	Tenkasi	33	33	30	15	16	0	0.00	0	0.00	0	0	4	14	7	3.500	2
91	Sankarankovil	30	30	28	14	13	1	3.00	0	0.00	0	0	4	13	2	1.000	4
92	Kadayanallur	33	33	28	26	21	1	1.00	1	1.00	0	0	5	16	3	2.500	3
93	Puliangudi	33	33	26	18	11	1	2.20	0	0.00	0	0	4	12	1	0.500	3
94	Sengottai	24	24	22	6	8	1	0.50	1	1.00	0	0	3	6	2	0.500	1
95	Ambasamudram	21	21	19	9	9	0	0.00	0	0.00	0	0	3	9	5	1.000	1
96	V.K.Puram	21	21	20	14	13	1	3.00	0	0.00	0	0	4	11	0	0.000	1
97	Kovilpatti	36	36	34	26	21	0	0.00	0	0.00	0	0	5	18	6	4.000	3
98	Kayalpattinam	18	18	17	12	10	1	0.50	0	0.00	1	5	2	6	0	0.000	1
99	Kuzhithurai	21	21	19	7	4	0	0.00	0	0.00	0	0	1	4	1	0.500	1
100	Colachel	24	24	22	8	5	0	0.00	0	0.00	1	1	1	3	3	2.000	1
101	P.Puram	21	21	17	7	4	0	0.00	0	0.00	0	0	1	4	1	0.500	1
102	Virudhunager	36	36	27	18	20	0	0.00	0	0.00	0	0	5	20	2	1.000	1
103	Rajapalayam	42	42	38	49	28	1	3.00	0	0.00	1	5	2	7	4	6.000	1
104	Sivakasi	33	33	24	30	26	0	0.00	0	0.00	0	0	5	15	5	7.500	1
105	Srivilliputhur	33	33	24	20	14	0	0.00	0	0.00	0	0	1	4	0	0.000	1

S.No	Name of ULB's	Total No. of Wards	No of wards in D2D Collection Service	No of wards practicing segregation at source	Total Waste Generated (MT)	Organic Waste (MT)	SWM Processing facilities										RRC / MRF
							Windrow Compost		Vermi Compost		Biomethanation plant		MCC		OCC		
							No.	Capacity in (MT)	No.	Capacity in (MT)	No.	Capacity in (MT)	No	Capacity in MT	No.	Capacity in (MT)	No.
106	Aruppukottai	36	36	27	25	21	0	0.00	0	0.00	0	0	5	16	3	1.750	3
107	Sattur	24	24	18	10	7	1	2.00	0	0.00	0	0	1	3	2	0.500	1
108	Thiruthangal	21	21	17	15	10	0	0.00	0	0.00	0	0	1	3	0	0.000	1
	Total	**540**	**540**	**455**	**330**	**259**	**8**	**15**	**2**	**2**	**3**	**11**	**57**	**184**	**47**	**33**	**31**
	SALEM REGION																
109	Attur	33	33	33	12	10	0	0	0	0	0	0	4	12	4	0.388	1
110	Mettur	30	30	30	15	9	0	0	0	0	1	5	3	9	1	0.150	1
111	Idappadi	30	30	30	14	9	0	0	0	0	0	0	5	15	2	0.200	1
112	Narasingapuram	18	18	18	7.05	4	0	0	0	0	0	0	3	10	1	0.100	1
113	Namakkal	39	39	39	35	21	0	0	0	0	1	5	4	16	7	1.000	1
114	Tiruchengode	33	33	33	29	20	0	0	0	0	1	5	5	14	2	0.200	2
115	Rasipuram	27	27	27	14	10	0	0	0	0	0	0	1	5	3	0.300	1
116	Komarapalayam	33	33	33	15	14	0	0	0	0	0	0	2	5	1	0.150	1
117	Pallipalayam	21	21	21	12	7	0	0	0	0	1	5	1	2	0	0.000	1
118	Dhamapuri	33	33	33	22	15	0	0	0	0	0	0	1	1	3	0.270	1
													4	16			
119	Krishnagiri	33	33	33	17	13	0	0	0	0	0	0	4	16	3	0.270	1
120	Karur	48	48	48	71	45	0	0	0	0	1	5	10	40	2	0.175	3
121	Kulithalai	24	24	24	7	4	1	2.40	1	1.60	0	0	1	2	1	0.118	2
	Total	**402**	**402**	**402**	**270**	**181**	**1**	**2**	**1**	**1.60**	**5**	**25**	**48**	**163**	**30**	**12**	**17**
	Region Total	**3468**	**3392**	**2965**	**2671**	**1670**	**38**	**105**	**10**	**15**	**24**	**100**	**348**	**1242**	**659**	**302**	**145**
	Corporations																
122	Coimbatore	100	78	60	915	417			1	80	4	6	22	90	25	12.00	5
123	Madurai	100	100	70	630	336					1	4	17	85	24	11.00	0
124	Salem	60	60	54	350	203	0	0	0	0	2	8	26	130	20	7.00	4
125	Erode	60	57	54	158	86	0	0			2	11	24	88	23	11.00	1
126	Tirunelveli	55	52	47	170	74					2	7	41	97	4	8.00	3
127	Dindigul	48	48	35	92	57	1	10			2	7	8	40	16	8.00	0
128	Vellore	60	60	54	230	97	0	0	0	0	1	1	51	163	18	1.00	42
129	Thanjavur	51	48	48	106	56					2	7	2	10	14	7.00	0
130	Trichy	65	65	62	351	222	0	0			2	7	34	170	22	8.00	0
131	Tiruppur	60	54	42	410	234					2	12	28	140	25	10.00	6
132	Thoothkudi	60	60	60	175	80							16	73	12	6.00	0
133	Nagercoil	52	52	37	106	66	0	0	0	0	1	5	11	55	10	5.00	0
134	Hosur	45	45	45	72	43	0	0	0	0	1	10	11	43	14	5.00	1
135	Avadi	48	47	41	90	45	0	0	0	0	1	5	17	65	21	10.00	1
	Total	**864**	**826**	**709**	**3855**	**2016**	**1**	**10**	**1**	**80**	**23**	**89**	**308**	**1249**	**248**	**109.00**	**63**
	Grant Total	**4332**	**4218**	**3674**	**6526**	**3686**	**39**	**115**	**11**	**95**	**47**	**189**	**656**	**2491**	**907**	**411.23**	**208**

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: **135 ULBs &Population - 1,67,05,001**
- Current Municipal Solid Waste Generation:**6526 TPD**
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc : **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) : **Nil**
- 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 is under progress**
- 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.

Annexure II - DTP

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

Overall status of the State:

I. Total Population: 8074608

II. Estimated Sewage Generation (MLD):452.18 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 15 Nos (52.76 MLD)
- Capacity Utilization of existing STPs: 7.50 MLD
- MLD of sewage being treated through Alternate technology: 3 MLD (in situ treatment, FSTP)
- Gap in Treatment Capacity in MLD: 399.42 MLD
- No. of Operational STPs: 5
- No. of Complying STPs: 3 (Mamallapuram, orathanadu ,Thirumazisai)
- No. of Non-complying STPs: 2 (Thiruchendur, Palanichettipatti)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Mamallapuram TP	2.34	1.00	Operational	Complied
2	Orathanadu TP	2.30	1.30	Operational	Complied
3	Thiruchendur TP	3.90	1.40	Operational	Non- Complied
4	Palanichettypatti TP	2.80	2.80	Operational	Non Complied
5	Thirumazisai TP	3.00	1.00	Operational	Complied
Septage Management					
6	Karunguzhi	0.024	0.024	Operational	
7	Periyanaikanpalayam	0.03	0.03	Operational	

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ulunderpettai TP	3.15	99% completed	6176	Dec-20
2	Sriperumbudur TP	8.50	73% completed	5028	Work in progress March-21
3	Velankanni TP	2.33	99% completed	864	Dec-20
4	Thiruporur TP	4.02	59% completed	3288	Mar-21
5	Ponneri TP	6.52	30% completed	1132	Mar-21
6	Manachanallur TP	6.41	94% completed	3671	Dec-20
7	S.Kannanur TP			1990	
8	Vallam TP	2.35	79% completed	2770	Jan-21
9	Perundurai TP	3.14	90% completed	3390	Jan-21
10	Melachokanathapuram TP	2.00	30% completed	880	May-21
Septage Management					
11	Mudukulathur TP	0.015	65% completed	-	Dec-20
12	Jalakandapuram TP	0.015	75% completed	-	Dec-20
13	Pennagaram TP	0.015	20% completed	-	Dec-20
14	Kaveripattinam TP	0.015	60% completed	-	Dec-20
15	Chengam TP	0.020	70% completed	-	Dec-20
16	Kurumbalur TP	0.010	40% completed	-	Dec-20
17	Pennadam TP	0.010	20% completed	-	Jan-21
18	Alangayam TP	0.015	20% completed	-	Dec-20

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
1	Mangadu Opp to SWM, at pattur road		DPR stage-Comprehensive UGSS in Poonamallee cluster A with Mangadu Town Panchayat and 12 Village Town Panchayat	
2	Chitlapakkam		Detailed project Report prepared under TNUISFL for Sembakkam cluster basis with 13 local bodies(Fund assistance from Project Development Grant Fund)	
3	Madampakkam		Detailed project Report prepared under TNUISFL for Sembakkam cluster basis with 13 local bodies(Fund assistance from Project Development Grant Fund)	
4	Peerkankaranai		DPR has to be prepared through TNUISFL on cluster basis	
5	Perungalathur		DPR has to be prepared through TNUISFL on cluster basis	
6	Thiruneermalai		DPR as to be prepared through TNUISSL by cluster basis	

.Details of proposed STPs/FSTPs in the State

S. No	Name of the ULB	STP/FSTPs	STP/FSTPs capacity in MLD/ KLD	Status of DPR Preparation	Status of DPR approval	Status of award of tender	Designated nodal Agency	Treatment Technology along with firm completion timelines	Remarks
1	Musiri TP	-	-	DPR Stage	-	-	PWD	-	DPR is under preparation by

									WAPCOS/ PWD.
2	Sirugamani TP	-	-	DPR Stage	-	-	PWD	-	"
3	Mohanur TP	-	-	DPR Stage	-	-	PWD	-	"
4	Velur TP	-	-	DPR Stage	-	-	PWD	-	"
5	Punjai Pugalur TP	-	-	DPR Stage	-	-	PWD	-	"
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	Poallampatty TP	-	-	DPR Stage	-	-	DTP	-	Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. The DPR will be expected to be ready by 31.12.2020
11	Pethanaickenpalayam TP	-	-	DPR Stage	-	-	DTP	-	"
12	Yethapur TP	-	-	DPR Stage	-	-	DTP	-	"
13	Belur TP	-	-	DPR Stage	-	-	DTP	-	"
14	Srivaikundam TP	-	-	DPR Stage	-	-	DTP	-	"
15	Authoor TP	-	-	DPR Stage	-	-	DTP	-	"
16	Eral TP	-	-	DPR Stage	-	-	DTP	-	"
17	Alwarthirunagari TP	-	-	DPR Stage	-	-	DTP	-	"
18	Then Thiruperai TP	-	-	DPR Stage	-	-	DTP	-	"
19	Arumuganeri TP	-	-	DPR Stage	-	-	DTP	-	"
20	Mukkudal TP	-	-	DPR Stage	-	-	DTP	-	"
21	Gopalasamudram TP	-	-	DPR Stage	-	-	DTP	-	"
22	Kallidaikurichi TP	-	-	DPR Stage	-	-	DTP	-	"
23	Cheranmahadevi TP	-	-	DPR Stage	-	-	DTP	-	"
24	Veeravanallur TP	-	-	DPR Stage	-	-	DTP	-	"
25	Patthamadai	-	-	DPR	-	-	DTP	-	"

	TP			Stage					
26	Mela Seval TP	-	-	DPR Stage	-	-	DTP	-	"
27	Kuthalam TP	-	-	DPR Stage	-	-	PWD	-	DPR is under preparation by WAPCOS/ PWD.
28	Thirukattupalli TP	-	-	DPR Stage	-	-	PWD	-	"
29	Thiruvaiyaru TP	-	-	DPR Stage	-	-	PWD	-	"

IV. Details of Industrial Pollution:

- No. of industries in the State:
- No. of water polluting industries in the State:
- 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:
- Number of industrial units connected to CETP:
- Number and total capacity of ETPs (details of existing/ under construction / proposed)
- Compliance status of the ETPs:
- Number and total capacity of CETPs (details of existing/ under construction / proposed)
- Status of compliance and operation of the CETPs

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

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population - **528**
- Current Municipal Solid Waste Generation – **2100 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

  Total MSW generated - 2100 TPD

  Total MSW processed - 1819.21 TPD

  Gap in processing - 280.79 TPD
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)

Incinerators are proposed to install for processing non-recyclable dry waste in cluster basis

- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source

  Door to Door collection – 7956

  source segregation – 7459

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)

  So far 1 Incinerators has been completed remaining 9 Nos are under progress.

  So far 2 Pyrolysis has been completed remaining 8 Nos are under progress.

  For remaining Town Panchayats Incinerators & Pyrolysis are been proposed to install for processing non-recyclable dry waste in 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

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
528	**2100**	**1819.21**	**1.windrow compost**	**6250.47 TPD**	**Incinerators are proposed to install for processing non-recyclable dry waste in cluster basis**
			2.vermi compost	**662.67 TPD**	
			3.Decentralized composting	**118.02 TPD**	
			4. Biogas	**167.37 TPD**	
			5.Incinerator	**Under construction will be completed before March2021**	

			6.Pyrolysis	**Under construction will be completed before March2021**	

VI. Bio-medical Waste Management:

- Total Bio-medical generation:
- No. of Hospitals and Health Care Facilities:
- Status of Treatment Facility/ CBMWTF:

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:
- 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: **120.34 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

  Incinerators are proposed to install for processing non-recyclable dry waste in cluster basis

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

Annexure III – RD&PR

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

Overall status of the State:

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

II. Estimated Sewage Generation (MLD): 1.569

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): NIL
- Capacity Utilization of existing STPs: NIL
- MLD of sewage being treated through Alternate technology:
  In the 6 Polluted River Stretches there are 31number of Village Panchayats in which 2201 house hold soak pits, 31 Community Soak pits and 38 Horizontal/ Vertical filters constructed and completed under MGNREGS.
- Gap in Treatment Capacity in MLD: NIL
- No. of Operational STPs: NIL
- No. of Complying STPs: NIL
- No. of Non-complying STPs: NIL

Details of each existing STP in the State

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

Details of under construction STPs in the State

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

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				

IV. Details of Industrial Pollution:

- No. of industries in the State:
- No. of water polluting industries in the State:
- 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:
- Number of industrial units connected to CETP:
- Number and total capacity of ETPs (details of existing/ under construction / proposed)
- Compliance status of the ETPs:
- Number and total capacity of CETPs (details of existing/ under construction / proposed)
- Status of compliance and operation of the CETPs

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

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population – Village Panchayats 12,525 and population 4,04,86,223.
- Current Municipal Solid Waste Generation – 8.666 (T/D)
- 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 -NIL

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) -
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) -
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : All 12,525 Village Panchayats having facilities like Door to Door collection, Segregation by using 66,130 Thooimai Kaavalars.
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) - NIL
- 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 – 38 Numbers of Community vertical/ Horizontal filters have been constructed at the end point of street drains in 31 Village Panchayats under MGNREGS.

Status of ULB wise Management of Solid Waste

Name of the Rural Local	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	Remarks
Thottipalayam	0.140	0.140	0.50			Garbage Collection is being done by Thooimai Kavalars. Collected Garbage has been properly segregated in the segregation shed. In this Shed, the Garbage is segregated as biodegradable and non biodegradable wastes. The biodegradable garbage are
Andikulam	0.120	0.120	0.50			
A. Erayamangalam	0.3	0.3	0.3			
Molasi	0.3	0.3	0.3			
Patlur	0.2	0.2	0.2			
Kokkarayanpettai	0.35	0.35	0.35			
Keelapattam	0.487	0.49	0.487			
Seevalaperi	0.618	0.62	0.618			
Thirupadaimaruthur	0.224	0.22	0.224			
Thathiyampatti	0.040	0.040	0.040			
T.Konagapadi	0.030	0.030	0.030			
Manivizhunthan	0.075	0.08	0.075			
Thiyaganur	0.020	0.020	0.020			
S.Papparapatty	There is no mixing of sewage water and garbage in Thirumanimutharu which passes through S Paparapatti Village panchayat					

Murappanadu Puthugramam	0.125	0.125	0.125			dumped in pits and the decompost manure are sold by the concerned local body. Non-bio-degradable recyclable wastes are stored in storage shed and sale those waste to Scrap dealers and the sold amount are being remitted to Village Panchayat SWM account.
Mukkani	0.218	0.218	0.218			
Vallavallan	0.464	0.464	0.464			
V. Athichanallur	0.136	0.136	0.136			
Muthulankurichi	0.128	0.128	0.128			
Karungulam	1.722	1.722	1.722			
Nanalkadu	0.347	0.347	0.347			
Arampannai	0.376	0.376	0.376			
Kongarayakurichi	0.389	0.389	0.389			
Sernthamangalam	0.291	0.291	0.291			
Kurangani	0.107	0.107	0.107			
Rajapathy	0.158	0.158	0.158			
Sethukuvaithan	0.351	0.351	0.351			
Athinathapuram	0.169	0.169	0.169			
Thirukalur	0.377	0.377	0.377			
Kadayanodai	0.145	0.145	0.145			
Umarikadu	0.259	0.259	0.259			
Total	8.666	8.666	9.406			

VI. Bio-medical Waste Management:

- Total Bio-medical generation: NIL
- No. of Hospitals and Health Care Facilities: NIL
- Status of Treatment Facility/ CBMWTF: NIL

VII. Hazardous Waste Management:

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

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 0.626 (T/D)
- Treatment/ Measures adopted for reduction or management of plastic waste: Plastic Waste are collected and handed over to shredded unit run by Mahalir Thittam.

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 Director of Rural Development and Panchayat Raj for Rural Local body: Thiru.A.Kuttalingam, Superintending Engineer (MGNREGS), Directorate of Rural Development & Panchayat Raj, Chennai – 15.

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: Under the Chairmanship of Director of Rural Development and Panchayat Raj, a meeting was conducted on 14.10.2020 to the District Nodal Officers through Video Conference mode.

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: Not Applicable

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

Annexure - IV

GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT
PUBLIC WORKS DEPARTMENT

From
Er. S. Prabakaran, B.E.,
Chief Engineer, WRD,
State Ground & Surface Water
Resources Data Centre
Public Works Department
Tharamanai, 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 /2020 Dated: 23.10.2020

Sir,

Sub: NGT Case No 673/2018- Tamil Nadu Pollution Control Board (TNPCB) - Information given as per attached format with respect to status on submission of monthly progress report month of **September - 2020** for **Six Polluted river stretches**- Submission - Regarding.

Ref: Email letter received from Deputy Director, TNPCB dated 07.10.2020 Addressed to Chief Engineer State Ground & Surface Water Resources Data Centre, Chennai.

The monthly progress reports of the following polluted River stretches are herewith enclosed in the prescribed format.

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

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

23/10/20

for Chief Engineer (SG & SWRDC)

Enclosure: Monthly progress reports

Copy presented to the Principal Secretary, to Government, PWD, Fort. st. George, Chennai-9
Copy to Engineer- in- Chief and Chief Engineer (General), WRD, Chepauk, Chennai- 5

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

For the Month of **September 2020 for TNPWD WRD**

In 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 399mg/L to 1885 mg/L. Danishpet 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.

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 to be conducted by WAPCOS during 1st Week of November 2020. A DPR is under preparation under Nadanthai Vaazhi Cauvery for conducting the above survey for identification of flood plain zones and area for Afforastation to maintain Bio Diversity. The tentative cost of the DPR is around 2 crores. The DPR will be completed in December 2020. Encroachment if any identified during the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.

XVIII. Maintaining minimum e-flow of river:

This river 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. DPR preparation is likely to the completed by November 2020. E flow will be maintained in this river after completion sewage treatment plants by March 2021. 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 DPR is under preparation. DPR preparation is likely to the completed by November 2020. Plantation work will be completed in March 2021.

XX. Development of biodiversity park:

This is proposed to be taken up under Nadanthai Vaazhi Cauvery for which DPR is under preparation. Drone Survey is proposed to be conducted by WAPCOS during 1st Week of November 2020. DPR preparation is likely to the completed by December 2020. This work will be completed in March 2022.

23/10/20

For Chief Engineer (Surface SWRDC)

Format for Submission of Monthly Progress Report by States/ UTs
(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)
for the Month of **September 2020** for TNPWD WRD

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 500 to 2000mg/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.

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 to be conducted by WAPCOS during 1st Week of November 2020. A DPR is under preparation under Nadanthai Vaazhi Cauvery for conducting the above survey for identification of flood plain zones and area for Afforastation to maintain Bio Diversity. The tentative cost of the DPR is around 2 crores. The DPR will be completed in December 2020. Encroachment if any identified during the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.

XVIII. Maintaining minimum e-flow of river:

This river only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under Nadanthai Vaazhi Cauvery. DPR preparation is likely to the completed by November 2020. E flow will be maintained in this river after completion sewage treatment plants by March 2021. 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 DPR is under preparation. DPR preparation is likely to the completed by November 2020. Plantation work will be completed in March 2021.

XX. Development of biodiversity park:

This is proposed to be taken up under Nadanthai Vaazhi Cauvery for which DPR is under preparation. Drone Survey is proposed to be conducted by WAPCOS during 1st Week of November 2020. DPR preparation is likely to the completed by December 2020. This work will be completed in March 2022.

23/10/20

for Chief Engineer (SG & SWRO)

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

For the Month of **September 2020** for TNPWD WRD

In Vasista 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 SG&SWRDC is having monitoring wells for observing water quality data for the areas Papanaickenpatti, 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 336 to 1029 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..

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 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

23/10/20

For Chief Engineer (SG & SWRDC)

Format for Submission of Monthly Progress Report by States/ UTs
(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)
for the Month of **September 2020** for TNPWD WRD

Reach: Mettur to Mayiladuthuraistretch 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 523 to 2096 mg/L and the quality of ground water lies between Moderate to poor. 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 412 to 2845mg/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 Namkkal shows the TDS values exceed even 6000mg/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 of the order of 5000 to 6000mg/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.

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 is proposed to be conducted by WAPCOS during 1st Week of November 2020. A DPR is under preparation under Nadanthai Vaazhi Cauvery for conducting the above survey for identification of flood plain zones and area for afforestation to maintain Bio Diversity. The tentative cost of the DPR is around 20 crores. The DPR will be completed in December 2020. Encroachment if any identified during the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.

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 September an E Flow of 1.13 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 DPR is under preparation. DPR preparation is likely to the completed by November 2020. Plantation work will be completed in March 2021.

XX. Development of biodiversity park:

This is proposed to be taken up under Nadanthai Vaazhi Cauvery for which DPR is under preparation. Drone Survey is proposed to be conducted by WAPCOS during 1st Week of November 2020. DPR preparation is likely to the completed by December 2020. This work will be completed in March 2022

23/10/20

For Chief Engineer (Sg & SWRDC)

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. Especially Nilgiris is having good quality water.

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.

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
13	3	17

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Drone Survey to be conducted by WAPCOS during 1st Week of November 2020. A DPR is under preparation under Nadanthai Vaazhi Cauvery for conducting the above survey for identification of flood plain zones and area for Afforastation to maintain Bio Diversity. The tentative cost of the DPR is around 2 crores. The DPR will be completed in December 2020. Encroachment if any identified during the survey will be evicted and other management works will be completed by March 2022 after rehabilitation and resettlement.

XVIII. Maintaining minimum e-flow of river:

An E flow of 223.04 m^3 has been maintained in River Bhavani during the month of September 2020.

XIX. Plantation activities along the rivers:

It is proposed to plant around 86,500 samplings under Nadanthai Vaazhi Cauvery for which DPR is under preparation. DPR preparation is likely to the completed by November 2020. Plantation work will be completed in March 2021.

XX. Development of biodiversity park:

This is proposed to be taken up under Nadanthai Vaazhi Cauvery for which DPR is under preparation. Drone Survey is proposed to be conducted by WAPCOS during 1st Week of November 2020. DPR preparation is likely to the completed by December 2020. This work will be completed in March 2022.

23/10/20

For Chief Engineer (SG & SWRDC)

Format for Submission of Monthly Progress Report by States/ UTs
(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

Reach: Pappankulam to Arumuganeri Stretch in Thamirabarani River

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

In Tamiraparani stretch, this department is having water quality data for cheranmadevi, Thiruvidaimaruthur, Ambasamudram, Thirunelveli, Palayamkottai, and Ariyanaygipuram. The collected data shows the ground water quality of this stretch is having all three types of good, poor and moderate based on TDS.

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

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

XIV. Ground water regulation:

Sl.No	Activity to be monitored	Monthly Progress for the month of September 2020
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

XV. Good irrigation practices being adopted by the State:

Village level awareness campaign were conducted periodically by PWD officials to adopt the crop rotation to have a good irrigation practices. Rehabilitation and modernization of Tanks, Anicuts and Supply channels are being carried out in TNIAMP project vide GO Ms No: 140 PW (WR 1) Dept Dt: 21.06.2017 for an amount of Rs.107.09 crores.

XVI. Rain Water Harvesting:

Existing structure	Ongoing works	Proposed works
7	2	230 (Barrages 3 nos at cost of Rs. 230 Crores. Check dam 2 nos at cost of Rs. 76 Crores, Artificial Recharge well 221 nos and Recharge shaft 4 nos at a cost of Rs. 88.496 Crores.)

XVII. Demarcation of Floodplain and removal of illegal encroachments:

To prepare comprehensive flood protection plan for Thamirabarani River Rs. 4.00 Lakhs has been alloted vide GO Ms. No. 37 Revenue (DMII) Department 9.02.2017. Estimate has been prepared for Rs. 4.00 Lakhs for the demarcation of Flood plain zone and steps are being taken for the Protection and management of Flood plain Zones of Thamirabarani River. Moreover in Tirunelveli Corporation, ProsopisJuliflora on the river stretches for a length of 10km from Vilagam to Naranammalpuram river bridge were removed at a cost of 140.00 lakhs vide GO(2D) No. 14 PW (P2) Dept Dated 8.03.2019 to restore the River course for a free flow flood water.

XVIII. Maintaining minimum e-flow of river:

Environmental flow (outflow) of papanasam Reservoir in 89.03 mm^3 for the month of September 2020.

XIX. Plantation activities along the rivers:

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

XX. Development of biodiversity park:

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

23/10/20

For Chief Engineer (SQ & SWRDC)

Annexure-V

Status Report on Rejuvenation of Polluted River Stretches in Tamil Nadu as on September-2020

In all the river stretches the industrial effluent management have been effectively managed by the TNPCB and there is no gap.

Details for industrial effluent management (in MLD)

S.No.	District	Generated (MLD)	Processed/ Treated (MLD)	Gap (MLD)
River Sarabanga				
1.	Salem	322.208	322.208	-
2.	Namakkal	62.598	62.598	-
	Total	**384.806**	**384.806**	**-**
River Thirumanimutharu				
1.	Salem	322.208	322.208	-
2.	Namakkal	62.598	62.598	-
	Total	**384.806**	**384.806**	**-**
River Vasista				
1.	Salem	322.208	322.208	-
River Cauvery				
1.	Dharmapuri	4.55	4.55	-
2.	Salem	322.208	322.208	-
3.	Erode	141.864	141.864	-
4.	Namakkal	62.598	62.598	-
5.	Karur	46.822	46.822	-
6.	Trichy	8.8	8.8	-
7.	Thanjavur	6.15	6.15	-
8.	Nagapattinam	44.14	44.14	-
	Total	**637.132**	**637.132**	**-**

River Bhavani				
1.	Coimbatore	13.73	13.73	-
2.	Erode	141.864	141.864	-
	Total	**155.594**	**155.594**	**-**
River Tamirabarani				
1.	Tirunelveli	160.06	160.06	-
2.	Thoothukudi	286.875	286.875	-
	Total	**446.935**	**446.935**	**-**

No industrial discharge of effluent. The effluent generating industries are provided with individual ETP/STP/connected to CETP/CSTP. The treated effluent is utilized for process in case of ZLD/ others gardening/irrigation inside the unit premises.

All Textile and Tannery units have either individual ETP with ZLD system or connected to CETP with ZLD system. The treated effluent is reused in the process and hence there is no industrial discharge into the river.

Industrial clusters of Sago industries found in Salem district – Effluent treatment involves power generation and the treated effluent is used for irrigation purpose.

Annexure-V

Status Report on Rejuvenation of Polluted River Stretches in Tamil Nadu as on September-2020

In all the river stretches the Bio-medical waste & Hazardous waste management have been effectively managed by the TNPCB and there is no gap.

Table 1: Details for other wastes (in TPD)
Bio-medical Waste Management

S.No.	District	Generated (TPD)	Processed/ Treated (TPD)	Gap (TPD)
River Sarabanga				
1.	Salem	1.968	1.968	-
2.	Namakkal	0.717	0.717	-
	Total	**2.685**	**2.685**	**-**
River Thirumanimutharu				
1.	Salem	1.968	1.968	-
2.	Namakkal	0.717	0.717	-
	Total	**2.685**	**2.685**	**-**
River Vasista				
1.	Salem	1.968	1.968	-
River Cauvery				
1.	Dharmapuri	0.433	0.433	-
2.	Salem	1.968	1.968	-
3.	Erode	0.753	0.753	-
4.	Namakkal	0.717	0.717	-
5.	Karur	0.917	0.917	-
6.	Trichy	0.850	0.850	-
7.	Thanjavur	1.571	1.571	-
8.	Nagapattinam	1.079	1.079	-
	Total	**8.288**	**8.288**	**-**

River Bhavani				
1.	Coimbatore	5.942	5.942	-
2.	Erode	0.753	0.753	-
	Total	**6.695**	**6.695**	**-**
River Tamirabarani				
1.	Tirunelveli	0.029	0.029	-
2.	Thoothukudi	0.358	0.358	-
	Total	**0.387**	**0.387**	**-**

All the Bio-medical wastes generated from the Health care facilities and diagnosis Labs are disposed to the nearby TNPCB/CPCB authorized Bio medical waste treatment facility.

Table 2: Details for other wastes (in TPD)

Hazardous Waste Management

S.No.	District	Generated (TPD)	Processed/ Treated (TPD)	Gap (TPD)
River Sarabanga				
1.	Salem	2.98	2.98	-
2.	Namakkal	1.55	1.55	-
	Total	**4.53**	**4.53**	**-**
River Thirumanimutharu				
1.	Salem	2.98	2.98	-
2.	Namakkal	1.55	1.55	-
	Total	**4.53**	**4.53**	**-**
River Vasista				
1.	Salem	2.98	2.98	-
River Cauvery				
1.	Dharmapuri	0.1	0.1	-
2.	Salem	2.98	2.98	-

3.	Erode	18.27	18.27	-
4.	Namakkal	1.55	1.55	-
5.	Karur	1019.50	1019.50	-
6.	Trichy	11.08	11.08	-
7.	Thanjavur	0.534	0.534	-
8.	Nagapattinam	0.428	0.428	-
	Total	**1054.44**	**1054.44**	**-**
River Bhavani				
1.	Coimbatore	55.0	55.0	-
2.	Erode	18.27	18.27	-
	Total	**73.27**	**73.27**	**-**
River Tamirabarani				
1.	Tirunelveli	423.88	423.88	-
2.	Thoothukudi	383.91	383.91	-
	Total	**807.79**	**807.79**	**-**

All the Hazardous wastes generated from the Industries are disposed to the nearby TNPCB authorized Hazardous waste treatment facility.

Solid Waste Management System

Type of Waste	Waste Management
Bio-Medical Waste	All the Bio-medical wastes generated from the Health care facilities and Lab are disposed to the nearby TNPCB authorized Bio medical waste treatment facility.
Hazardous Waste	All the Hazardous wastes generated from the Industries are disposed to the nearby TNPCB authorized Hazardous waste treatment facility.
Plastic Waste	• All the plastic wastes generated from the Industries are disposed to the nearby TNPCB/CPCB authorized recycler. • The concerned local bodies have been segregating the plastic waste from the domestic wastes and disposing to the nearby TNPCB/CPCB authorized recycler. • In Tamil Nadu One time Use and Throw away plastic irrespective of thickness is banned since Jan-2019 onwards. Thus far, 1364 tonnes has been seized and 663 lakhs has been collected.
E-Waste	• All the E-wastes generated from the Industries are disposed to the nearby TNPCB authorized recycler/dismantler. • The concerned local bodies have been segregating the E-waste from the domestic wastes and disposing to the nearby TNPCB authorized recycler/dismantler.
Construction & Demolition Waste (C&D waste)	• Earmarked locations are identified in Towns for C&D waste management. • 5 ULBs have proposed to set up processing facilities for C&D waste (Greater Chennai Corporation, Coimbatore, Tiruchirapalli, Madurai and Tiruppur). • Currently C& D Waste is being used for laying base course for formation of roads and filling up of low lying areas.

TAMIL NADU POLLUTION CONTROL BOARD

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

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.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20			Aug-20			Sep-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Badrakaliamman koil	1201	6.7	<2	26	6.6	<2	26	6.3	2.1	31	7.2	<2	14	7.1	<2	NA	5.9	<2	26	6.0	<2	21	6.0	<2	13	6.8	<2	17
2	Sirumugai	1204	6.8	<2	22	6.2	2	130	6.0	2.4	140	7.1	<2	9	7.4	<2	NA	6.3	<2	21	6.5	<2	14	6.5	<2	11	6.3	<2	170
3	Bhavanisagar	1321	6.8	<2	26	6.6	<2	32	6.2	<2	31	6.8	<2	26	6.2	<2	31	6.3	<2	22	7	<2	17	6.4	<2	21	6.2	<2	26
4	Bhavani	1205	6.5	<2	63	7.0	<2	110	6.3	<2	94	6.2	<2	49	6.3	<2	34	6.0	<2	110	6.7	<2	170	6.2	<2	70	6.8	<2	17
5	Sathyamangalam	3019	6.6	<2	13	6.0	<2	63	5.7	<2	38	7.1	<2	26	6.3	<2	43	6.2	<2	26	6.7	<2	22	6.2	<2	21	6.6	<2	38
6	Kalingarayan Canal (B5)	3020	6.5	<2	33	6.7	<2	61	6.0	<2	79	6.4	<2	31	6.1	<2	43	5.6	2.5	63	6.8	<2	46	6.4	<2	21	6.6	<2	22
7	Kalingarayan Canal (B10)	3021	6.5	<2	49	6.6	<2	61	6.1	<2	70	6.3	<2	47	6.3	<2	49	5.7	<2	70	6.9	<2	63	6.3	<2	22	6.4	<2	46

Standard limit for BOD <3 mg/L

Standard limit for Fecal coliform <500 MPN/100ml

Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD
76, Mount Salai, Guindy, Chennai - 600 032.
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.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20			Aug-20			Sep-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Mettur	50	6.6	<2	21	5.1	2.0	43	5.8	2.5	46	6.7	<2	21	6.0	<2	21	6.0	<2	43	4.8	<2	32	6.0	<2	31	6.8	<2	26
2	Pallipalayam	51	6.7	<2	58	1.6	12.0	170	6.1	2.2	170	6.6	<2	26	5.0	2.2	84	5.9	3.8	310	5.9	<2	260	5.9	<2	170	6.3	<2	84
3	Musiri Borewell	32	No Flow			No Flow			No Flow			No Flow			No Flow			No Flow			7.2	2	NA	No Flow			6.5	<2	31
4	Musiri Ferry Gate	31	6.0	<2	140	No Flow			No Flow			No Flow			No Flow			6.1	<2	63	No Flow			6.4	<2	33	No Flow		
5	Komarapalayam	3012	6.7	<2	110	6.0	2.0	170	5.8	<2	210	6.9	<2	49	5.6	<2	210	4.6	6.9	250	6.5	2.2	170	5.4	<2	140	5.4	2.2	210
6	Urachikottai	3013	6.5	<2	32	6.0	<2	70	5.8	<2	84	6.7	<2	32	6.0	<2	58	6.1	<2	58	6.9	<2	63	6.4	<2	46	6.4	<2	70
7	Seerampalayam	3014	6.5	<2	94	5.4	3.0	210	6.1	<2	490	6.9	<2	31	5.7	<2	220	5.9	3.6	220	7.3	<2	120	5.8	<2	43	6.0	<2	32
8	Pugalur	3045	6.1	<2	140	6.6	<2	170	6.1	<2	210	6.6	<2	58	6.2	<2	140	6.0	<2	110	6.9	<2	140	6.1	<2	110	7.0	<2	140
9	Pettavaithalai	3016	6.1	<2	220	No Flow			No Flow			No Flow			No Flow			6	<2	140	7.2	2	NA	6.5	<2	110	6.4	<2	230
10	Kumbakonam	3017	6.0	<2	170	No Flow			No Flow			No Flow			No Flow			No Flow			7.0	3	NA	5.2	<2	23	6.5	<2	26
11	Mayiladuthurai	3018	6.1	2	84	5.1	3	63	6.0	<2	110	5.3	2.0	NA	No Flow			5.2	2	NA	5.2	2	NA	No Flow			6.0	<2	32
12	R.N. Pudur	1322	6.6	<2	45	0.4	23.3	430	5.7	2.5	310	6.7	<2	38	6.1	<2	140	6.0	<2	94	7.0	<2	84	6.5	<2	32	6.4	<2	110
13	Vairapalayam	1320	6.2	<2	31	6.5	<2	170	6.2	<2	220	6.8	<2	110	5.6	<2	210	6.0	<2	23	6.1	<2	26	6.5	<2	22	6.4	<2	17
14	P. Velur	1323	6.6	<2	38	6.1	<2	220	5.6	<2	260	6.1	<2	170	6.0	<2	250	6.1	<2	230	6.3	<2	79	6.0	<2	70	6.3	2.0	33
15	Mohanur	1324	6.3	<2	31	5.7	2.4	210	5.8	<2	580	6.0	<2	200	6.2	<2	260	6.0	<2	260	5.8	<2	84	6.0	<2	63	6.7	<2	38
16	Thirumukkudal	1451	6.0	<2	150	6.5	<2	210	6.0	<2	170	6.3	<2	46	6.1	<2	170	6.2	<2	130	7.0	<2	170	6.0	<2	120	6.9	<2	150
17	Trichy Upstream	1202	6.0	<2	310	No Flow			No Flow			No Flow			No Flow			6.1	<2	310	7.4	4	NA	6.4	<2	130	6.5	<2	120
18	Trichy Downstream	1325	5.5	<2	460	No Flow			No Flow			No Flow			No Flow			5.8	3.3	430	7.6	3	NA	5.6	<2	210	6.5	<2	14
19	Grand Anaicut	1203	5.4	<2	110	No Flow			No Flow			No Flow			No Flow			6	<2	110	7.5	3	NA	5.5	<2	38	6.5	<2	26

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

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

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.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20			Aug-20			Sep-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Thulukkanur (River)	3023	No Flow			Nil	24	14000	Nil	15	17000	Nil	16	2100	No Flow			Nil	20	33000	Nil	**500***	17000	0.4	15	14000	Nil	30	11000
2	Thulukkanur (Subsurface)	3023	6.8	<2	2	6.4	<2	6	4.8	<2	11	6.6	<2	2	6.5	<2	4	6.0	2.1	8	4.4	2.6	4	5.6	<2	4	5.8	<2	3.6

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

* Sago effluent disposed in the river

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.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20			Aug-20			Sep-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Edappadi (River)	3024	No Flow			No Flow			No Flow			No Flow			No Flow			No Flow			No Flow			No Flow			No Flow		
2	Edappadi (Borewell)	3024	No Sampling			6.5	<2	11	6.2	<2	14	6.3	<2	4	6.1	<2	11	6.4	<2	4	6.0	<2	1.8	6.0	<2	1.8	6.6	<2	1.8

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD
76, Mount Salai, Guindy, Chennai - 600 032.
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.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20			Aug-20			Sep-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Papanasam	1159	7.0	2.2	2	7.2	2.0	8	7.2	<2	2	6.8	<2	2	6.1	<2	2	7.3	2	4	6.8	2.3	<1.8	7.6	<2	<1.8	7.5	<2	4
2	Cheranmadevi	1160	6.5	2.4	14	7.0	2.4	22	7.0	2.8	8	6.6	2.3	10	6.8	<2	9	7.0	2.2	21	6.5	2.5	21	7.0	2.2	4	6.1	2.5	13
3	Kokirakulam	1161	6.6	2.5	25	6.5	2.8	110	6.8	2.3	26	6.6	2.1	13	6.4	2	22	7.1	2.9	70	6.2	2.4	42	6.8	2.5	9	6.6	3	33
4	Murapanadu	1162	6.0	2.5	63	7.5	2.4	70	7.6	2.3	70	7.5	2.7	33	7.3	2.8	70	6.4	3.3	120	7.4	2.5	26	7.4	2.4	9	7.1	2.3	48
5	Thiruvidaimarudur	1328	6.2	2.2	9	7.2	2.4	17	7.1	2.2	7	6.8	<2	8	7.0	<2	8	7.2	<2	12	7.2	2.5	17	7.2	2	2	6.3	2.7	21
6	Ambasamudram	1329	7.0	2.3	4	7.0	2.2	17	7.3	2.5	4	7.0	<2	2	7.3	<2	4	7.2	<2	7	7.0	2.5	2	7.4	<2	<1.8	6.6	2.2	47
7	Authoor	1330	6.6	2.8	41	7.6	2.6	94	7.2	2.5	58	6.8	3	110	7.1	3.2	220	7.5	2.6	53	7.1	5.1	84	7.3	3.4	21	7.0	3.3	120
8	Eral	3025	6.5	2.9	110	6.0	2.8	120	5.3	2.3	70	6.5	2.7	110	6.7	3	140	6.2	2.8	58	5.8	4.5	34	6.7	3.2	17	7.2	3.2	58
9	Kallidaikurichi	3026	7.2	2.1	7	7.1	2.2	22	7.3	2.4	6	7.1	<2	6	6.9	<2	6	7.0	<2	8	7.1	2.6	6	7.4	2	2	6.9	2.9	8
10	Srivaikuntam	3027	7.1	2.8	43	7.9	2.2	63	7.0	2.3	47	7.2	2.6	43	7.3	2.8	110	5.9	3	70	5.3	3.9	31	6.0	3	13	6.6	2.2	40
11	Vellakovil	3028	6.4	2.6	17	6.0	2.5	70	6.2	2.9	22	6.5	3	17	6.0	2.2	26	6.3	2.9	94	5.9	2.5	23	6.5	2.4	7	6.5	2.9	4
12	Seevalaperi	3029	6.4	2.5	33	6.8	2.7	79	5.8	2.7	31	6.4	3	23	6.2	2.6	26	6.4	3	120	6.1	2.5	31	6.5	2.6	9	6.5	2.5	7

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

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

Sl. No.	Name of station	Station Code No.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20			Aug-20			Sep-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Uthamasolapuram (River)	3022	No Flow			2.1	8.5	11000	Nil	15	6100	3.9	6.1	1300	Nil	14	3500	5.8	3.6	9	5.1	3.2	1400	5.9	<2	310	0.8	12	310
2	Uthamasolapuram (Borewell)	3022	6.6	<2	11	6.2	<2	11	5.1	<2	17	6.7	<2	8	4.8	2.7	8	6.0	2.1	8	6.9	<2	3.7	6.0	2	1.8	5.2	5	<1.8

Standard limit for BOD <3 mg/L

Standard limit for Fecal coliform <500 MPN/100ml

Standard limit for DO 5.0 mg/l