



TAMILNADU POLLUTION CONTROL BOARD



From

Thiru. R. Vijayabaskaran, M.E., M.B.A.,
Member Secretary,
Tamil Nadu Pollution Control Board,
No.76, Mount Salai, Guindy
Chennai – 600 032

To

The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan,
C.B.D. Cum –Office Complex,
East Arjun Nagar, Shahdara
New Delhi-110032.

Letter No. T1/TNPCB/PWM/F.31251/2011, Dated: 31.07.2020

Sir,

Sub: Tamil Nadu Pollution Control Board –Implementation of Solid Waste Management Rules, 2016 for the state of Tamilnadu – Annual report in Form V - Furnished–Regarding

I am to invite your kind attention to the subject cited. In this connection, I enclose herewith the Annual Report on implementation of Solid Waste Management Rules, 2016 for the state of Tamilnadu in the prescribed Form V for the year 2019-2020 for favour of kind information.

Enclosure: as above


31/7/2020
For Member Secretary

Form – V

[see rule 24(3)]

Format of annual report to be submitted by the state pollution control Board or pollution control committee committees of the central pollution control board.

PART A

To

The Chairman
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032.

1.	Name of the State	Tamil Nadu
2.	Name & address of the State Pollution Control Board	Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600032.
3.	Number of local bodies responsible for management of solid waste in the State under these rules.	Corporation - 15 Municipalities – 121 Town Panchayat - 528
4.	No. of authorisation application Received.	224
5.	A Summary Statement on progress made by local body in respect of solid waste management	Annexure – I
6.	A Summary Statement progress made by local bodies in respect of waste collection, segregation, transportation and disposal.	Annexure – II
7.	A Summary statement on progress made by local bodies in respect of implementation of schedule II	Annexure - III

PART A

Towns/cities

Total number of ULBs	664
Total number of Corporations	15
Total number of Municipalities	121
Total number of Town Panchayats	528

Authorisation status (names/number)

Number of applications received	224
Number of authorisation granted	224 (Authorisation issued during April 2019 valid upto 31.03.2020 and extended upto 30.09.2020)
Authorisation under scrutiny	-

SOLID WASTE Generation status

Solid waste generation in the state (TPD)	14228 TPD
Collected	13955 TPD
Treated	6620 TPD
Landfilled	6765 TPD

Compliance to Schedule I of SW Rules (Number/names of towns/capacity)

Good practices in cities/towns	--	24 nos. (Details in Annexure IV)
House-to-house collection	--	Annexure V
Segregation	--	Annexure VI
Storage	--	Annexure VII
Covered transportation	--	Annexure VIII

Processing of SW (Number/names of towns/capacity)

Solid Waste processing facilities setup:

Sl.No	Composting	Vermi-composting	Biogas	RDF/Pelletisation
1.	1016 MCC 526 Windrows	263	106	

Processing facility operational:

Sl.No	Composting	Vermi-composting	Biogas	RDF/Pelletisation
1.	753 MCC 526 Windrows	263	106	

Processing facility under installation/planned

Sl.No	Composting	Vermi-composting	Biogas	RDF/Pelletisation
1.	263 MCC 2 Windrows	-	7	-

Waste- to-Energy Plants: (Number/names of towns/capacity)

Sl.No	Plant Location	Status of operation	Power generation(MW)	Remarks
1.	Manali, Zone-II, Greater Chennai Corporation	Operational	10 TPD	Segregated non-biodegradable solid waste are incinerated and ash utilized to paver blocks
2.	M/s. MAK India Energy Ltd., Erode	Operational	50 TPD	Segregated non-biodegradable solid waste are incinerated and ash utilized to paver blocks
3.	Waste to Energy plant at Kodungaiyur , Greater Chennai Corporation	Proposed	32	-
4.	Waste to Energy plant at Perungudi , Greater Chennai Corporation	Proposed	26	-

Disposal of solid waste (number/names of towns/capacity):

Landfill sites identified	-4
Landfill constructed	-4
Landfill under construction	-0
Landfill in operation	-3
Landfill exhausted & Capped	-1

Solid Waste Dumpsites (number/names of towns/capacity):

- Total number of existing dumpsites - 143 (12 Corporations, 87 Municipalities & 44 Town Panchayats)
- Dumpsites reclaimed/capped - 7 completed namely Kumbakonam, Pammal, Sembakkam, Poonammaalle, Chidambaram, Idappadi and Kankeyam;
136 – Under progress
(63 ULBs will be completed before 31.12.2020)
(73 ULBs will be completed before 31.12.2021)
- Dumpsites converted to sanitary landfill - 0

Monitoring at Waste Processing/Landfills sites

Sl.No	Name of facilities	Ambient air	Ground water	Leachate quality	Compost quality	VOCs
Annexure IX						

Status of Action Plan prepared by Municipalities

Total number of municipalities:121

Number of Action Plan submitted:121


5/12/2020
For Member Secretary

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Annexure – I: A Summary Statement on progress made by local body in respect of solid waste management

There are 15 Corporations, 121 Municipalities and 528 Town Panchayats in the State of Tamil Nadu. The total quantity of solid waste generation is 14228 tons / day as reported by the local bodies out of which 13955 Tons / day of solid waste is being collected and 6620 Tons / day of solid waste is treated and 6765 tons / day of municipal solid waste is land-filled in the landfill and dumpsites located in the State of Tamil Nadu. Local bodies which generate 5 TPD of municipal solid waste have applied for Authorisation. So far 224 applications for authorization have been received during 2019 and Authorisation issued for the said applications with valid upto 31.03.2020. Due to outbreak of Corona Virus (Covid-19) situation, the Board vide Order No. TNPCB/P&D/2020 dated 01.04.2020 and vide order dated 01.07.2020 has extended the Authorisation granted under SWM Rules to 30.09.2020 which are expiring on 31.03.2020.

Collection, Transportation and Segregation of MSW in Tamil Nadu:

The urban local bodies at several places have organized collection of MSW by house to house collection, by using collection bins, compactor bins, lorries using dust bins, etc. All the urban local bodies have partly started the source segregation of municipal solid wastes generated in their limits and are partly composting the biodegradable waste. Transport facilities such as dumper placer, tipper lorry, tipper tractor, trucks, etc. have been used by the Corporations for transportation of wastes and in some cases the vehicle are closed or pneumatic compactors are used in few corporation areas. Similarly, Municipalities and Town Panchayats utilize the transport facilities such as tractor trailer, dumper placer, tipper, tricycle, push carts etc.

Solid waste Processing Facilities in Tamil Nadu:

In the state of Tamil Nadu, various waste processing facilities like windrow composting, Vermi composting, Micro Compost Centres (MCC), Onsite Composting (OCC) and Bio Methanation are being followed.

- 1016 MCC sanctioned to process 3744 TPD of wet waste in 15 Corporations and 121 Municipalities and 42 Town panchayats. So far, 787 MCCs with handling capacity of 2848 TPD have been established and processed for 1856 TPD. In GCC, 743 Mulch Pits, 262 Sintex Tank, 56 Earthen Pit and 3394 units of Well ring with handling capacity of 637 TPD are established and processed for 45 TPD

- 876 OCCs are established in Corporations & Municipalities with a handling capacity of 416 TPD as waste to compost and processed for 315 TPD.
- 106 Biomethanation plants are established to process 258 TPD of Wet Waste. 526 Windrows and 263 Vermi Composting plants are functioning with capacity of 1171 TPD.

The Overall Processing percentage of wet waste = 62%

Scientific Landfill sites and dumpsites:

In the State of Tamil Nadu, 4 number of landfill sites have been identified, 4 landfills have been constructed and 3 numbers being operated, one landfill been exhausted & capped. Nearly 140 dumpsites are in existence in the State of Tamil Nadu, out of which 7 dumpsites viz Kumbakonam, Pammal, Sembakkam, Poonammaalle, Chidambaram, Idappadi and Kankeyam have been reclaimed and the reclamation of the remaining 136 is under progress to be completed by 31.12.2021.

Monitoring of MSW facility:

TNPCB collects samples of ground water in the vicinity of the dumpsites and samples of leachate from the dumpsites, as one of responsibilities of monitoring the compliance of standards regarding ground water, ambient air, leachate quality.

Ground water quality are monitored at the vicinity of solid waste dumpsites pertaining to 15 Corporations namely, Chennai, Coimbatore, Madurai, Trichy, Salem, Erode, Thoothukudi, Vellore, Tirunelveli, Nagercoil, Tiruppur, Dindigul, Hosur, Thanjavur and Avadi and 97 Municipalities.

Ambient Air quality monitoring are monitored at the vicinity of solid waste dumpsites pertaining to 13 Corporations namely, Chennai, Coimbatore, Madurai, Trichy, Salem, Erode, Thoothukudi, Vellore, Tirunelveli, Nagercoil, Hosur, Thanjavur and Avadi.

Continuous Ambient Air Quality Monitoring stations installed at the vicinity of Kodungaiyur and Perungudi dumpsites

Formation of Committees

State Level Advisory Body as per SWM Rules, 2016

State level Advisory Body is formed as per G.O. (MS). No. 5 MA& WS(MA.IV) Department dated: 25.01.2017 under the chairmanship of Principal Secretary to Government, Municipal Administration & Water Supply Department comprising of 19 members including TNPCB. State level Advisory Body Meetings have been conducted on 16.03.2017, 21.03.2018, 25.02.2019, 5.4.2019 & 20.11.2019.

State Monitoring Committee as per Hon'ble NGT order dated 16.01.2019

As per the Hon'ble NGT order dated: 16.01.2019 in O.A. No. 606/2018, State Level Monitoring Committee (SLMC) in Tamil Nadu is constituted under the Chairmanship of Dr. P. Jyothimani, Former Judge, Madras High Court, Former Judicial Member, National Green Tribunal. The State Monitoring Committee meetings were held on 12.02.2019, 22.02.2019, 29.03.2019, 30.04.2019, 30.05.2019, 27.06.2019 & 11.12.2019.


21/7/2019
For Member Secretary

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Annexure – II: A Summary Statement progress made by local bodies in respect of waste collection, segregation, transportation and disposal

There are 15 Corporations, 121 Municipalities and 528 Town Panchayats in the State of Tamil Nadu. The total quantity of solid waste generation is 14228 tons / day as reported by the local bodies out of which 13955 Tons / day of solid waste is being collected and 6620 Tons / day of solid waste is treated and 6765 tons / day of municipal solid waste is land-filled in the landfill sites located in the State of Tamil Nadu.

Solid Waste Collection:

The urban local bodies at several places have organized collection of solid waste by house to house collection, by using collection bins, compactor bins, lorries using dust bins, etc. All the urban local bodies have partly started the source segregation of municipal solid wastes generated in their limits and are partly composting the biodegradable waste. Transport facilities such as dumper placer, tipper lorry, tipper tractor, trucks, etc. have been used by the Corporations for transportation of wastes and in some cases, vehicle are covered or pneumatic compactors are used in most of the Corporation areas. Similarly, Municipalities and Town Panchayats utilize the transport facilities such as tractor trailer, dumper placer, tipper, tricycle, push carts etc. In most urban local bodies the biodegradable wastes are composted using Micro Compost Centres (MCCs), Windrows, Biomethanation plant and segregated plastic waste is sent to cement industries for co-incineration and also utilized for road laying and remaining waste is dumped in dump yard.

House to house collection of solid wastes is fully carried out in 11 Corporations namely Hosur, Nagercoil, Coimbatore, Tirunelveli, Trichy, Thanjavur, Thootukudi, Madurai, Salem, Vellore, Dindigul and at 103 Municipalities

Status of House to house collection

Local Body	Percentage achieved
14 Corporations and 121 Municipalities	95%
Greater Chennai Corporation	95%
528 town Panchayats	95%
Overall	95%

Segregation of Solid Waste:

Segregation of solid wastes is fully carried out in Hosur, Trichy, Thootukudi, Salem, Vellore, Iddapadi, Narasingapuram, Attur, Rasipuram, Pallipalayam, Komarapalayam,

Krishnagiri, Thiruchengodu, Arani, Thiruvathipuram, Gobichettipalayam, Sankarankoil, Ambasamudram, Aruppukottai, Poonamallee, Anakaputhur.

Storage:

The following Corporations and Municipalities are declared as Bin free Cities/towns.

1.	Hosur
2.	Trichy
3.	Vellore
4.	Narasingapuram
5.	Attur
6.	Pallipalayam
7.	komarapalayam
8.	Dharmapuri
9.	Krishnagiri
10.	Thuraiyur
11.	Aranthangi
12.	Thiruthuraiipoondi
13.	Thiruvarur
14.	Sirkali
15.	Pattukottai
16.	Arakkonam
17.	jolarpet
18.	Melvisharam
19.	Pernambut
20.	Villupuram
21.	Tindivananam
22.	Mettupalayam
23.	Pollachi
24.	Valparai
25.	Dharapuram
26.	Vellakovil
27.	Sathyamangalam
28.	Bhavani
29.	Punjai Puliampatti
30.	Coonoor
31.	Gudalur
32.	Vickramasingapuram
33.	Kuzhithurai
34.	Virudhunagar
35.	Thiruthangal
36.	Tirumangalam
37.	Usilampatty
38.	Thiruverkadu

39.	Panruti
40.	Sembakkam
41.	Pammal
42.	Maraimalai Nagar
43.	Tambaram
44.	Pallavapuram

Transportation of Solid waste:

Covered transportation of solid wastes is fully achieved in 12 Corporations namely Chennai, Hosur, Avadi, Nagercoil, Trichy, Thanjavur, Thootukudi, Tiruppur, Madurai, Salem, Vellore, Dindigul, and at 111 Municipalities.

Treatment and Disposal of Solid waste:

In the state of Tamil Nadu, various waste processing facilities like windrow composting, Vermi composting, Micro Compost Centres (MCC), Onsite Composting (OCC) and Bio Methanation are being followed.

- 1016 MCC sanctioned to process 3744 TPD of wet waste in 15 Corporations and 121 Municipalities and 42 Town panchayats. So far, 787 MCCs with handling capacity of 2848 TPD have been established and processed for 1856 TPD. In GCC, 743 Mulch Pits, 262 Sintex Tank, 56 Earthen Pit and 3394 units of Well ring with handling capacity of 637 TPD are established and processed for 45 TPD
- 876 OCCs are established in Corporations & Municipalities with a handling capacity of 416 TPD as waste to compost and processed for 315 TPD.
- 106 Biomethanation plants are established to process 258 TPD of Wet Waste. 526 Windrows and 263 Vermi Composting plants are functioning with capacity of 1171 TPD.

Scientific Landfill sites and dumpsites:

In the State of Tamil Nadu, 4 number of landfill sites have been identified and the same have been constructed and 3 numbers being operated, one landfill been exhausted & capped. Nearly 143 dumpsites are in existence in the State of Tamil Nadu, out of which 7 dumpsites viz Kumbakonam, Pammal, Sembakkam, Poonammaalle, Chidambaram, Idappadi and Kankeyam have been reclaimed and the reclamation of the remaining 136 is under progress to be completed by 31.12.2021.


21/7/2020
For Member Secretary

Annexure – III: A Summary statement on progress made by local bodies in respect of implementation of schedule II.

Most of the Corporations, Municipalities and Town Panchayats in the State of Tamil Nadu have been instructed to adhere to the standards prescribed in schedule II of the Municipal Solid Waste Rules, 2016 without fail.

TNPCB collects samples of ground water in the vicinity of the dumpsites and samples of leachate from the dumpsites, as one of responsibilities of monitoring the compliance of standards regarding ground water, ambient air, leachate quality, TNPCB also conducts Ambient Air Quality survey at the landfill site and at the vicinity.

Ground water quality are monitored at the vicinity of solid waste dumpsites pertaining to 15 Corporations namely, Chennai, Coimbatore, Madurai, Trichy, Salem, Erode, Thoothukudi, Vellore, Tirunelveli, Nagercoil, Tiruppur, Dindigul, Hosur, Thanjavur and Avadi and 97 Municipalities.

Ground water quality with respect to the parameters viz., total dissolved solid, chlorides in the vicinity of the landfill sites pertaining to Corporations marginally exceeds the drinking water standards. However, habitations in the vicinity are provided with water supply through the respective ULBs.

Urban Local Bodies are adopting Micro Compost Centre (MCC) methodology for composting in which the leachate generated is recycled. Hence, leachate characteristics is not analysed at these facilities.

Ambient Air quality monitoring are monitored at the vicinity of solid waste dumpsites pertaining to 13 Corporations namely, Chennai, Coimbatore, Madurai, Trichy, Salem, Erode, Thoothukudi, Vellore, Tirunelveli, Nagercoil, Hosur, Thanjavur and Avadi. Ambient Air Quality survey revealed that the particulate matter PM10 has marginally exceeded the standards in some Corporations

Continuous Ambient Air Quality Monitoring stations have been installed at the vicinity of Kodungaiyur and Perungudi dumpsites

Direction issued to Urban Local Bodies:

TNPCB has issued Directions under Section 5 of the Environmental (Protection) Act, 1986 to the following urban local bodies based on complaints, press news, field inspection by DEEs etc.

S. No.	Name of the urban local body	Direction issued date	Violations observed and Remarks
1.	Tiruppur Corporation	06.05.2019	Dumping of solid waste at abandoned quarries
2.	Kanyakumari Town Panchayat	08.05.2019	Indiscriminate disposal of solid/plastic wastes at Zero point of NHAI, Kanyakumari
3.	Avinashi Town Panchayat	28.08.2019	Dumping of solid wastes at unauthorised place
4.	Thittakudi Town Panchayat	12.12.2019	Dumping solid waste at Vellar River
5.	Tambaram and Pallavaram Municipalities Solid Waste Processing Facility at Vengadamangalam	20.12.2019	Improper operation of the facility and burning of Solid waste at MSW facility located at Vengadamangalam Environmental Compensation (Rs. 244 lakhs for Pallavaram & Rs. 203.34 lakhs for Tambaram) imposed as per NGT Directions.


 For Member Secretary

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ANNEXURE IV

Compliance to Schedule I of SW Rules (Number/names of towns) Good practices in cities/towns

(100% Door to door Collection & 100% Segregation at source achieved)

S.No.	Names of towns/Cities	
1.	Hosur	11 Nos. MCC - 28.5 TPD, 1 No. Bio Methanaion - 10 TPD, 4 Nos. Onsite Composting - 1.5 TPD, 10 Nos. Bulk Waste Generator - 3 TPD, Recyclable waste collected - 15 TPD
2.	Trichy	Composting, Biomethanation-9TPD, RDF-50 TPD and Combustible waste to Dalmiya and Ultratech cement
3.	Thootukudi	MCC - 85 TPD
4.	Salem	Composting - 69.4 TPD. Biomethanation 8 TPD
5.	Vellore	51 Nos. MCC - 105 TPD Biomethanation plant - 3TPD 20 OCCs Combustible waste to transported to Ultratech cement - 10 TPD
6.	Iddapadi	MCC 5 Nos. - 14 TPD
7.	Narasingapuram	MCC 3Nos. - 4 TPD
8.	Attur	MCC 4Nos. - 8 TPD
9.	Rasipuram	MCC 2 Nos. - 8 TPD
10.	Pallipalayam	Biomethanation-5MT, MCC - 2 MT
11.	Komarapalayam	MCC & Barrel Method 11 TPD. The Municipality has introduced Onsite composting Barrel method at 25 wards 1800 barrels have been placed on the roadside which covers 18000 households. Each barrel covers 10 households in which shredded ed with the help of hand shredded machine and put into concerned area barrels daily. After 45 to 60 days the organic waste is composted and used for manure purpose.
12.	Krishnagiri	MCC 4 Nos. - 13TPD
13.	Tiruchengode	MCC 4 Nos. - 11 TPD, OCC - 2 TPD, Biomethanation - 2 TPD, Windrows - 16 TPD,

ANNEXURE IV

		RDF 29 MT of non salable plastic waste sent to M/s. SS Green Energy - Erode, M/s. ACC Cement Factory - Coimbatore, M/s. Mak India - Erode
14.	Arani	MCC 5 Nos. - 27 TPD, Non-recyclable solid waste to cement plant - 0.4 TPD
15.	Thiruvathipuram	MCC - 4 TPD
16.	Gobichettipalayam	MCC & OCC home composting - 20 TPD, Bio methanation - 3 TPD
17.	Sankarankoil	Windrows, MCC(4 Nos..)
18.	Ambasamudram	Composting - 14.5 TPD
19.	Aruppukottai	MCC 6Nos. - 16 TPD, Non-recyclable solid waste to cement plant - 3.74 TPD
20.	Poonamallee	MCC 8 Nos. 10.5TPD, Non-recyclable solid waste to cement plant - 10 tons
21.	Anakaputhur	Composting 5.177 TPD, Non-recyclable solid waste to cement plant - 176.62 tonnes


31/7/2020
For Member Secretary

ANNEXURE V

Compliance to Schedule I of SW Rules (Number/names of towns)

100 % House to House Collection achieved cities/towns

S.No.	Name of the Corporation / Municipality	No. of households
1.	Hosur	82220
2.	Nagerkovil	84649
3.	Coimbatore	521605
4.	Tirunelveli	159628
5.	Trichy	252647
6.	Thanjavur	54234
7.	Thootukudi	139292
8.	Madurai	328230
9.	Salem	234624
10.	Vellore	124380
11.	Dindigul	56430
12.	Iddapadi	16248
13.	Karur	67428
14.	Narasingapuram	7316
15.	Attur	16353
16.	Mettur	12501
17.	Rasipuram	16451
18.	Pallipalayam	12471
19.	Komarapalayam	29013
20.	Kulithalai	8412
21.	Namakkal	39260
22.	Krishnagiri	16737

ANNEXURE V

23.	Tiruchengode	27611
24.	Jayankondam	9842
25.	Ariyalur	8607
26.	Thuvakudi	10894
27.	Thuraiyur	12026
28.	Mannaparai	11621
29.	Aranthangi	12246
30.	Pudukkottai	32670
31.	Koothanallur	6903
32.	Thiruthuraiipoondi	6476
33.	Mannargudi	16728
34.	Vedaranyam	8915
35.	Sirkali	9745
36.	Mayiladuthurai	21867
37.	Pattukottai	21174
38.	Kumbakonam	36105
39.	Ambur	26302
40.	Arakkonam	19346
41.	Arcot	16334
42.	Gudiyattam	17192
43.	Ranipet	12502
44.	Tirupathur	16750
45.	Vanniyambadi	20559
46.	Walajapet	8520
47.	Jolarpet	6353
48.	Melvisharam	9016

ANNEXURE V

49.	Pernambut	10450
50.	Arani	15667
51.	Thiruvathipuram	9185
52.	Villupuram	32656
53.	Tindivananam	16474
54.	Kallakurichi	14285
55.	Mettupalayam	17076
56.	Dharapuram	16032
57.	Kangeyam	10664
58.	Palladam	14799
59.	Vellakovil	16828
60.	Gobichettipalayam	18135
61.	Sathyamangalam	11408
62.	Bhavani	10949
63.	Punjai Puliampatti	6659
64.	Gudalur	15619
65.	Tenkasi	22468
66.	Sankarankoil	19801
67.	Kadayanallur	27710
68.	Puliangudi	21576
69.	Sengottai.	8807
70.	Ambasamudram	10176
71.	Vickramasingapuram	19287
72.	Kovilpatti	27026
73.	Kayalpattinam	14450
74.	Kuzhithurai	5489

ANNEXURE V

75.	Colachel	6219
76.	Padmanabhapuram	6685
77.	Rajapalayam	43264
78.	Virudhunagar	26881
79.	Sivakasi	22907
80.	Aruppukottai	30632
81.	Srivilliputhur	23704
82.	Sattur	8104
83.	Thiruthangal	19446
84.	Tirumangalam	17684
85.	Melur	12882
86.	Usilampatty	10174
87.	Theni	26198
88.	Bodinayakanur	20665
89.	Chinnamanur	12512
90.	Cumbum	18962
91.	Gudalur	11685
92.	Periyakulam	11471
93.	Kodaikanal	10030
94.	Palani	18785
95.	Oddanchatram	11089
96.	Sivagangai	14093
97.	Karaikudi	26745
98.	Devakottai	13582
99.	Ramanathapuram	18724
100.	Paramakudi	24703

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ANNEXURE V

101.	Rameswaram	11336
102.	Keelakarai	11986
103.	Thiruverkadu	22291
104.	Tiruvallur	14237
105.	Poonamallee	16939
106.	Nellikuppam	11089
107.	Cuddalore	41835
108.	Chidambaram	14058
109.	Pammal	22344
110.	Maraimalai Nagar	22524
111.	Anakaputhur	13736
112.	Madhuranthagam	7166
113.	Kancheepuram	51767
114.	Tiruvannamalai	34380

80% to < 100% House to House Collection achieved cities/towns

S.No.	Name of the Corporation / Municipality	Total No. of households	No. of households covered
1.	Chennai	2121669	2015586
2.	Erode	123900	111510
3.	Avadi	97756	90710
4.	Dharmapuri	16595	16321
5.	Perambalur	14706	14706
6.	Vandavasi	6548	6234
7.	Udumalpet	15981	14390
8.	Udhagamandalam	24838	23956
9.	Coonoor	12772	11546

ANNEXURE V

10.	Chengalpattu	16818	14297
11.	Thiruthani	13755	12379
12.	Virudhachalam	20205	18790
13.	Panruti	14901	13991
14.	Sembakkam	16585	15756
15.	Tambaram	51333	46200
16.	Pallavapuram	74211	70500

Less than 80% House to House Collection achieved cities/towns

S.No.	Name of the Corporation / Municipality	Total No. of households	No. of households covered
1.	Tiruppur	286386	212316
2.	Thiruvarur	58301	15036
3.	Pollachi	90124	22063
4.	Valparai	16589	2429
5.	Nelliyalam	10729	7510


31/7/2020
For Member Secretary

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ANNEXURE VI

Compliance to Schedule I of SW Rules (Number/names of towns)
100 % Segregation achieved Cities/towns

S.No.	Name of the Corporation / Municipality	Number of household covered and segregated at source
1.	Hosur	82220
2.	Trichy	252647
3.	Thootukudi	139292
4.	Salem	234624
5.	Vellore	124380
6.	Iddapadi	16248
7.	Narasingapuram	7316
8.	Attur	16353
9.	Rasipuram	16451
10.	Pallipalayam	12471
11.	komarapalayam	29013
12.	Krishnagiri	16737
13.	Tiruchengode	27611
14.	Arani	15667
15.	Thiruvathipuram	9185
16.	Gobichettipalayam	18135
17.	Sankarankoil	21002
18.	Ambasamudram	10176
19.	Aruppukottai	30632
20.	Poonamallee	16939
21.	Anakaputhur	13736

ANNEXURE VI

80 % to <100 % Segregation achieved Cities/towns

S.No.	Name of the Corporation / Municipality	Number of household covered	Number of households segregated at source
1.	Erode	111510	100359
2.	Avadi	90710	88896
3.	Coimbatore	521605	443364
4.	Tirunelveli	159628	143665
5.	Thanjavur	54234	43387
6.	Tiruppur	212316	201700
7.	Karur	67428	60685
8.	Mettur	12501	10626
9.	Dharmapuri	16321	13873
10.	Namakkal	39260	33371
11.	Jayankondam	9842	7972
12.	Ariyalur	8607	7660
13.	Thuvakudi	10894	8715
14.	Thuraiyur	12026	10703
15.	Aranthangi	12246	11021
16.	Pudukkottai	32670	29403
17.	Thiruthuraiipoondi	6476	5440
18.	Pattukottai	21174	16939
19.	Kumbakonam	36105	28884
20.	Ambur	26302	21568
21.	Arakkonam	19346	16580
22.	Gudiyattam	17192	13754

ANNEXURE VI

23.	Tirupathur	16750	15075
24.	Walajapet	8520	7583
25.	Jolarpet	6353	5082
26.	Melvisharam	9016	7844
27.	Pernambut	10450	8360
28.	Tiruvannamalai	34380	29223
29.	Villupuram	32656	29390
30.	Kallakurichi	14285	13142
31.	Mettupalayam	17076	14856
32.	Pollachi	22063	18974
33.	Udumalpet	14390	12951
34.	Valparai	2429	1943
35.	Dharapuram	16032	12826
36.	Kangeyam	10664	10344
37.	Palladam	14799	14059
38.	Vellakovil	16828	13462
39.	Sathyamangalam	11408	11066
40.	Bhavani	10949	10621
41.	Punjai Puliamatti	6659	6592
42.	Udhagamandalam	23956	22758
43.	Coonoor	11546	11084
44.	Nelliyalam	7510	6759
45.	Gudalur	15619	14838
46.	Tenkasi	22468	22243
47.	Kadayanallur	27710	27156
48.	Puliangudi	21576	19418

ANNEXURE VI

49.	Sengottai	8807	7486
50.	Vickramasingapuram	19287	15815
51.	Colachel	6219	5286
52.	Padmanabhapuram	6685	5682
53.	Rajapalayam	43264	36774
54.	Virudhunagar	26881	21505
55.	Melur	12887	11598
56.	Theni	26198	22792
57.	Bodinayakanur	20665	19632
58.	Cumbum	18962	18014
59.	Palani	18785	15592
60.	Oddanchatram	11089	8871
61.	Karaikudi	26745	25408
62.	Devakottai	13582	12224
63.	Ramanathapuram	18724	16852
64.	Paramakudi	24703	19762
65.	Rameswaram	11336	9182
66.	Thiruverkadu	22291	20062
67.	Thiruthani	12379	11141
68.	Tiruvallur	14237	13525
69.	Virudhachalam	18790	15032
70.	Panruti	13991	11752
71.	Nellikuppam	11089	9093
72.	Chidambaram	14058	11246
73.	Sembakkam	15756	14968
74.	Tambaram	46200	41580

ANNEXURE VI

75.	Madhuranthagam	7166	6808
76.	Kancheepuram	51767	44002
77.	Pallavapuram	70500	66975

50% to < 80 % Segregation achieved Cities/towns

S.No.	Name of the Corporation / Municipality	Number of household covered	Number of households segregated at source
1.	Nagerkovil	84649	60101
2.	Dindigul	56430	41194
3.	Perambalur	14706	10294
4.	Mannaparai	11621	9064
5.	Koothanallur	6903	4901
6.	Mannargudi	16728	12211
7.	Thiruvarur	15036	9322
8.	Sirkali	9745	6822
9.	Mayiladuthurai	21867	13120
10.	nagapattinam	24728	14837
11.	Arcot	16334	11434
12.	Ranipet	12502	6876
13.	Vanniyambadi	20559	11307
14.	Kovilpatti	27026	21080
15.	Kayalpattinam	14450	10982
16.	Kuzhithurai	5489	4117
17.	Srivilliputhur	23704	13037
18.	Sattur	8104	4052

ANNEXURE VI

19.	Thiruthangal	19446	12640
20.	Tirumangalam	17684	13794
21.	Usilampatty	10174	7122
22.	Chinnamanur	12512	9384
23.	Gudalur	11685	8530
24.	Periyakulam	11471	8603
25.	Kodaikanal	10030	6620
26.	Sivagangai	14093	9865
27.	Chengalpattu	14297	10294
28.	Cuddalore	41835	32631
29.	Pammal	22344	16758
30.	Maraimalai Nagar	22524	13514

Less than 50% Segregation achieved Cities/towns

S.No.	Name of the Corporation / Municipality	Number of household covered	Number of households segregated at source
1.	Chennai	2015586	907014
2.	Madurai	328230	41029
3.	Vedaranyam	8915	4279
4.	Sivakasi	22907	9163
5.	Keelakarai	11986	3596


31/7/2020
For Member Secretary

ANNEXURE VII

COMPLIANCE TO SCHEDULE I OF SW RULES (NUMBER/NAMES OF TOWNS)

Storage Facilities provided in Towns and Cities

Bin Free Cities/towns

1.	Hosur
2.	Trichy
3.	Vellore
4.	Narasingapuram
5.	Attur
6.	Pallipalayam
7.	komarapalayam
8.	Dharmapuri
9.	Krishnagiri
10.	Thuraiyur
11.	Aranthangi
12.	Thiruthuraiipoondi
13.	Thiruvarur
14.	Sirkali
15.	Pattukottai
16.	Arakkonam
17.	jolarpet
18.	Melvisharam
19.	Pernambut
20.	Villupuram
21.	Tindivananam
22.	Mettupalayam
23.	Pollachi
24.	Valparai
25.	Dharapuram
26.	Vellakovil
27.	Sathyamangalam
28.	Bhavani
29.	Punjai Puliampatti
30.	Coonoor
31.	Gudalur
32.	Vickramasingapuram
33.	Kuzhithurai
34.	Virudhunagar
35.	Thiruthangal
36.	Tirumangalam
37.	Usilampatty
38.	Thiruverkadu
39.	Panruti
40.	Sembakkam

ANNEXURE VII

41.	Pammal
42.	Maraimalai Nagar
43.	Tambaram
44.	Pallavapuram

Corporation / Municipalities provided with Storage Facilities

S. No.	Name of the Corporation / Municipality	Storage Facilities Provided (Yes/No)	Storage capacity (m ³)	Actually stored (m ³)
1.	Chennai	Yes	-	-
2.	Coimbatore	Yes	7851	0
3.	Thanjavur	Yes	-	-
4.	Thootukudi	Yes	160	-
5.	Tiruppur	Yes	1438	380
6.	Rasipuram	Yes	100	12
7.	kulithalai	Yes	-	-
8.	Tiruchengode	Yes	77.5	
9.	Perambalur	Yes	14.18	0.5
10.	Pudukkottai	Yes	-	50
11.	Koothanallur	Yes	45	2.5
12.	Vedaranyam	Yes	-	12
13.	nagapattinam	Yes	-	-
14.	Kumbakonam	Yes	390	390
15.	Arcot	Yes	0.15	3.5
16.	Ranipet	Yes	140	-
17.	Tiruvannamalai	yes	144.81	-
18.	Thiruvathipuram	Yes	45	45
19.	Udumalpet	yes	40	12
20.	Kangayam	yes	240	11
21.	Palladam	yes	-	6

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ANNEXURE VII

22.	Gobichettipalayam	yes	-	-
23.	Udhagamandalam	yes	-	-
24.	Nelliyalam	yes	-	-
25.	Tenkasi	yes	102.6	13
26.	Kadayanallur	yes	13	13
27.	Puliangudi	yes	54	19
28.	Kayalpattinam	yes	82.5	82.5
29.	Colachel	yes	-	5
30.	Rajapalayam	yes	4650	46
31.	Aruppukottai	yes	93.6	25.3
32.	Srivilliputhur	yes	65.4	15
33.	Sattur	yes	54	13
34.	Melur	yes	2.5	12
35.	Theni	yes	135	18
36.	Bodinayakanur	yes	26.4	31
37.	Cumbum	yes	450	5.5
38.	Gudalur	yes	-	12
39.	Oddanchatram	yes	-	8.5
40.	Karaikudi	yes	696	-
41.	Ramanathapuram	yes	116	-
42.	Paramakudi	yes	116	-
43.	Keelakarai	Yes	55	11
44.	Virudhachalam	yes	125	-
45.	Chidambaram	Yes	125	100


 21/6/2020
For Member Secretary

ANNEXURE VIII

Compliance to Schedule I of SW Rules (Number/names of towns)

100 % Cities /Towns with Covered Transportation

S. No.	Name of the Corporation / Municipality	Solid waste collected and transported (TPD)
1.	Chennai	5247
2.	Hosur	72
3.	Avadi	90.7
4.	Nagerkovil	110
5.	Trichy	460
6.	Thanjavur	107
7.	Thootukudi	180
8.	Tiruppur	460
9.	Madurai	630
10.	Salem	350
11.	Vellore	230
12.	Dindigul	92
13.	Iddapadi	14
14.	Karur	71
15.	Narasingapuram	7.05
16.	Attur	12
17.	Mettur	15
18.	Rasipuram	12
19.	Pallipalayam	12
20.	komarapalayam	17
21.	kulithalai	7.1
22.	Dharmapuri	21
23.	Namakkal	38
24.	Krishnagiri	17

ANNEXURE VIII

25.	Tiruchengode	29
26.	Jayankondam	11
27.	Ariyalur	13
28.	Perambalur	18
29.	Thuvakudi	10.914
30.	Thuraiyur	15
31.	Mannaparai	16
32.	Pudukkottai	70
33.	Koathanallur	7
34.	Thiruthuraiipoondi	8
35.	Mannargudi	22
36.	Thiruvarur	22
37.	Vedaranyam	12
38.	Sirkali	14
39.	Mayiladuthurai	30
40.	Pattukottai	30
41.	Kumbakonam	70
42.	Ambur	30
43.	Arakkonam	22
44.	Arcot	19
45.	Gudiyattam	26
46.	Ranipet	17
47.	Tirupathur	30
48.	Vanniyambadi	33
49.	Walajapet	10
50.	jolarpet	10
51.	Melvisharam	18
52.	Pernambut	15

ANNEXURE VIII

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53.	Tiruvannamalai	55
54.	Arani	27
55.	Thiruvathipuram	13
56.	Villupuram	32.8
57.	Vandavasi	11
58.	Tindivananam	23.3
59.	Kallakurichi	20
60.	Mettupalayam	24
61.	Pollachi	38
62.	Valparai	4.5
63.	Dharapuram	18
64.	Kangeyam	11
65.	Palladam	11
66.	Vellakovil	12.85
67.	Gobichettipalayam	20
68.	Sathyamangalam	10
69.	Bhavani	10.5
70.	Punjai Puliampatti	7
71.	Udhagamandalam	36
72.	Nelliyalam	3.5
73.	Gudalur	14
74.	Tenkasi	23.5
75.	Sankarankoil	21.7
76.	Kadayanallur	32.25
77.	Puliangudi	19
78.	Sengottai	8.04
79.	Ambasamudram	14.5
80.	Kovilpatti	35

ANNEXURE VIII

81.	Kuzhithurai	8
82.	Colachel	7
83.	Padmanabhapuram	7
84.	Rajapalayam	46.5
85.	Virudhunagar	32.5
86.	Sivakasi	35
87.	Aruppukottai	25.3
88.	Sattur	13
89.	Thiruthangal	16
90.	Tirumangalam	24
91.	Usilampatty	10
92.	Theni	33
93.	Bodinayakanur	31
94.	Chinnamanur	13
95.	Cumbum	18
96.	Gudalur	12
97.	Periyakulam	16
98.	Kodaikanal	17
99.	Palani	41
100.	Oddanchatram	15
101.	Sivagangai	18
102.	Karaikudi	48
103.	Devakottai	14.5
104.	Ramanathapuram	20
105.	Paramakudi	35
106.	Rameswaram	13
107.	Keelakarai	18
108.	Thiruverkadu	22.29

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ANNEXURE VIII

109.	Thiruthani	12
110.	Tiruvallur	21
111.	Panruti	17
112.	Nellikuppam	12.5
113.	Chidambaram	18
114.	Sembakkam	24
115.	Pammal	31
116.	Maraimalai Nagar	8.5
117.	Anakaputhur	13.19
118.	Tambaram	90
119.	Madhuranthagam	6.9
120.	Pallavapuram	104
121.	Vickramasingapuram	21
122.	Melur	17
123.	Cuddalore	33

80 % to <100 % Cities /Towns with Covered Transportation

S. No.	Name of the Corporation / Municipality	Solid waste Collected (TPD)	Quantity of waste transported (TPD)
1.	Erode	148.6	132
2.	Coimbatore	990	940.5
3.	Tirunelveli	170	150
4.	Aranthangi	16	14
5.	Nagapattinam	32	28
6.	Udumalpet	28	22
7.	Coonoor	14	12
8.	Kayalpattinam	14	12

ANNEXURE VIII

9.	Srivilliputhur	24.12	23.12
10.	Chengalpattu	21.53	18.5
11.	Poonamallee	23.13	20.03
12.	Virudhachalam	24	23
13.	Kancheepuram	65	61.5


For Member Secretary

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ANNEXURE IX
Monitoring at Waste Processing/Landfills sites

S. No.	Name of the Urban local body	Ground Water	Ambient Air
Corporations			
1.	Chennai	Yes	Yes
2.	Erode	Yes	Yes
3.	Hosur	Yes	Yes
4.	Avadi	Yes	Yes
5.	Nagerkovil	Yes	Yes
6.	Coimbatore	Yes	Yes
7.	Tirunelveli	Yes	Yes
8.	Trichy	Yes	Yes
9.	Thanjavur	Yes	Yes
10.	Thootukudi	Yes	Yes
11.	Tiruppur	Yes	
12.	Madurai	Yes	Yes
13.	Salem	Yes	Yes
14.	Vellore	Yes	Yes
15.	Dindigul	Yes	
Municipalities			
16.	Iddapadi	Yes	
17.	Karur	Yes	
18.	Narasingapuram	Yes	
19.	Attur	Yes	Yes
20.	Mettur	Yes	Yes
21.	Rasipuram	Yes	
22.	Pallipalayam	Yes	
23.	komarapalayam	Yes	
24.	kulithalai	Yes	
25.	Dharmapuri	Yes	
26.	Namakkal	Yes	
27.	Krishnagiri	Yes	
28.	Tiruchengode	Yes	
29.	Jayankondam	Yes	
30.	Ariyalur	Yes	
31.	Perambalur	Yes	
32.	Aranthangi	Yes	
33.	Pudukkotai	Yes	
34.	Manaparai	Yes	

35.	Thuraiyur	Yes	
36.	Vedaranyam	Yes	
37.	Sirkali	Yes	
38.	Mayiladuthurai	Yes	
39.	Nagapattinam	Yes	
40.	Pattukottai	Yes	
41.	Kumbakonam	Yes	
42.	Ambur	Yes	
43.	Arakkonam	Yes	
44.	Arcot	Yes	
45.	Gudiyattam	Yes	
46.	Ranipet	Yes	
47.	Tirupathur	Yes	
48.	Vanniyambadi	Yes	Yes
49.	Walajapet	Yes	
50.	jolarpet	Yes	
51.	Melvisharam	Yes	
52.	Pernambut	Yes	
53.	Tiruvannamalai	Yes	
54.	Arani	Yes	
55.	Thiruvathipuram	Yes	Yes
56.	Vandavasi	Yes	
57.	Mettupalayam	Yes	
58.	Pollachi	Yes	
59.	Udumalpet	Yes	
60.	Dharapuram	Yes	
61.	Kangeyam	Yes	
62.	Palladam	Yes	
63.	Vellakovil	Yes	
64.	Udhagamandalam	Yes	Yes
65.	Coonoor	Yes	
66.	Nelliyalam	Yes	
67.	Gudalur	Yes	
68.	Tenkasi	Yes	
69.	Sankarankoil	Yes	
70.	Kadayanallur	Yes	
71.	Puliangudi	Yes	
72.	Sengottai	Yes	
73.	Ambasamudram	Yes	
74.	Vickramasingapuram	Yes	
75.	Kovilpatti	Yes	
76.	Kayalpattinam	Yes	

77.	Kuzhithurai	Yes	
78.	Colachel	Yes	
79.	Padmanabhapuram	Yes	
80.	Rajapalayam	Yes	
81.	Virudhunagar	Yes	
82.	Sivakasi	Yes	
83.	Aruppukottai	Yes	
84.	Srivilliputhur	Yes	
85.	Sattur	Yes	
86.	Thiruthangal	Yes	
87.	Theni	Yes	
88.	Bodinayakanur	Yes	
89.	Chinnamanur	Yes	
90.	Cumbum	Yes	
91.	Gudalur	Yes	
92.	Periyakulam	Yes	
93.	Kodaikanal	Yes	
94.	Palani	Yes	
95.	Oddanchatram	Yes	
96.	Sivagangai	Yes	
97.	Karaikudi	Yes	
98.	Devakottai	Yes	
99.	Ramanathapuram	Yes	
100.	Paramakudi	Yes	
101.	Rameswaram	Yes	
102.	Keelakarai	Yes	
103.	Chengalpattu	Yes	
104.	Tiruvallur	Yes	
105.	Poonamallee	Yes	
106.	Sembakkam	Yes	
107.	Pammal	Yes	
108.	Maraimalai Nagar	Yes	
109.	Anakaputhur	Yes	
110.	Tambaram	Yes	
111.	Madhuranthagam	Yes	
112.	Pallavapuram	Yes	

*1. AAQ monitoring is carried by the TNPCB at the vicinity of the dumpsites of Corporations

2. Ground water monitoring is carried by the TNPCB at the vicinity of the dumpsites of Corporations and Municipalities.

J. S. S.
31/7/2020
For Member Secretary

