4/2/2016

# BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL, PRINCIPAL BENCH, NEW DELHI Original Application No. 199 of 2014

### IN THE MATTER OF:

Almitra H. Patel & Anr

... Petitioners

Versus

Union of India & Ors.

..Respondents

### INDEX

S. No.

### **Particulars**

**Pages** 

 Reply affidavit filed on behalf of the Tamil Nadu Pollution Control Board

Filed by

M. YOGESH KANNA

Advocate for the State of Tamil Nadu Old Tamil Nadu House, No. 6, Kautilya Marg, Chanakyapuri, New Delhi-110 021.

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Place: New Delhi

Filed on:

# BEFORE THE NATIONAL GREEN TRIBUNAL PRINCIPAL BENCH, NEW DELHI.

O, A. No. 199 OF 2014

Almitra H. Patel & another

....Applicants

۷s

1. The Union of India & others

.... Respondents

# AFFIDAVIT FILED ON BEHALF OF THE TAMIL NADU POLLUTION CONTROL BOARD

- I, S. Charles Rodriquez, son of A.S.Stanislaus Rodriquez, Christian, aged about 56 years, having office at No.76, Mount Salai, Chennai 32, do hereby solemnly affirm and sincerely state as follows:-
- 2). I am the Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai and I am filing this Affidavit on behalf of the Tamil Nadu Pollution Control Board and as such I am well acquainted with the facts of the case as per records.
- 3) It is respectfully submitted that the Tamil Nadu Pollution Control Board has already sent the Annual Report on the implementation of Municipal Solid Wastes (M&H) Rules, 2000 for the year 2014-2015 to the Central Pollution Control Board vide Board's letter 10.12.2015.

JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILA ADU FOLLUTION CONTROL BOARD

76, MOUNT SALAI, GUINDY, CHENNAI - 600 032. 4). It is respectfully submitted that the said Annual Report of the Tamil Nadu Pollution Control Board is submitted herewith in Annexure.

Under the above circumstances, it is humbly prayed that this Hon'ble National Green Tribunal (Principal Bench) New Delhi may be pleased to pass such further or other orders as this Hon'ble Tribunal may deem fit and proper in this case and thus render justice.

JOINT CHIEF FAVIRONMENTAL ENGINEER
TAMILINAUU POLLUTION CONTROL BOARD
76, MOUNT SALAI, GUINDY,

BEFORE ME

### VERIFICATION

I, Charles Rodriquez, son of A.S.Stanislaus Rodriquez, working as Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, do hereby submit that the contents of above report are true to the best of my knowledge through records.

Verified at Chennai on this day of December, 2015.

JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNACH FOLLUTION CONTROL BUARD
T6, MOUNT SALAI, GUINDY,
CHENNAI - 500 032.

Lr. HNM. GANI, B.Com..B.L.
Advocate & Commissioner of OATHS
Advocate & Commissioner of OATHS
Office Law Association,
Office Law Association,
Sairtanet Court, Little Mount,
Sairtanet Court, Little Mount,
Chemilal-oyu u15. Cell: 9380903886



TAMILNADU POLLUTION CONTROL BOARD

From

Dr. K. Karthikeyan, M.Tech. Ph.D, Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai – 600 032. The Member Secretary, Central Pollution Control Board, (Ministry of Environment and Forests) Government of India, 'Parivesh Bhawan',

C.B.D. Cum-Office Complex, East Arjun Nagar, Shahdara Delhi – 110 032

## Letter No: TNPCB/SWM/32363/04 Dated: 10.12.2015

Sir,

Sub: TNPCB - SWM - Implementation of Municipal Solid Wastes (Management & Handling) Rules, 2000 - Annual report furnished for the year 2014-15 -

Regarding.

Rëf:

- I. CPCB Lr. No. F. No. B-11011/1/PCP/2014-15 dated 15.09.2015
- 2. CPCB Lr. No. Tech/24/MSW/SZO/2015-16 dated 13.11.2015
- 3. CPCB Lr. No. F. No. B-11011/1/PCP/2014-15 dated 20.11.2015

I am to invite kind attention to the references cited and to enclose herewith the annual report on implementation of Municipal solid Wastes (M&H) Rules, 2000 in the prescribed Form IV for the year 2014-15 for favour of necessary information please.

Encl: As above

76, MOUNT SALAI, GUINDY, CHENNAI - 600 032.

Tel: 22353134, 22353135, 22353136, 22353137, 22353138, 22353139, 22353140, 22353141

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# TAMILNADU POLLUTIO N CONTROL BOARD

Format of Annual Review Report to be submitted by the State Pollution Control Board/Committees to the Central Pollution Control Board Τo

The Chairman. Central Pollution Control Board, (Ministry of Environment and Forests) Government of India, 'Parivesh Bhawan', East Arjun Nagar, Delhi - 110 032

Name of the State

: Tamil Nadu

2. Name & address of the State Pollution Control Board/ : Pollution Control Committee

Tamil Nadu Pollution Control Board. 76, Mount Road, Guindy,

Chennai - 600 032

3. Number of municipal authorities responsible for : management of municipal solid wastes in the State/Union territory under these rules

Corporations - 12 Municipalities - 124

Town Panchayats - 528

4. A summary statement on progress made by municipal authorities in respect of implementation of Schedule I [rule 4(3)]

Annexure I

5. A summary statement on progress made by municipal : authorities in respect of implementation of Schedule 11 [ rules 6(1) and (3), 7(1) ]

Annexure II

6. A summary statement on progress made by municipal: authorities in respect of implementation of Schedule III [rules 6(1) and (3), 7(2)]

Annexure III

7. A summary statement on progress made by municipal : Annexure IV authorities in respect of implementation of Schedule IV [rules 6(1) and (3), 7(2)]

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### ANNEXURE I

SUMMARY STATEMENT ON PROGRESS MADE BY MUNICIPAL AUTHORITIES IN RESPECT OF IMPLEMENTATION OF SCHEDULE-1 OF MSW (M&H) RULES 2000 [RULE 4 (3)]

Tamilnadu State Government administers 12 Corporations, 124 Municipalities and 528 Town Panchayats. The total generation of municipal solid waste from the urban local bodies is around 14500 Tonnes per day (TPD) in which, the total waste generation from Corporations is around 9000 TPD, Municipalities is around 3700 TPD and Town Panchayats is around 1900 TPD. The districtwise details of urban local bodies responsible for implementation of Municipal Solid Waste (M&H) Rules 2000 is given in Annexure IA.

In compliance of the MSW Rules, TNPCB has issued authorisation for setting up of municipal solid waste processing facilities to 5 Corporations, 48 Municipalities and 73 Town Panchayats in the State of Tamil Nadu. During 2014-15, 15 Town Panchayats have applied for Authorisation, out of which 11 have been issued. The details of the authorization issued to the Urban Local Bodies in Tamilnadu is provided in Annexure-IB.

### Collection, Storage and disposal 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. In most urban local bodies the biodegradable wastes are partly composted, segregated plastic waste is used for road laying and remaining waste is dumped in dump yard.

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.

The monitoring reports revealed that the ground water quality with respect to the parameters viz., total dissolved solid, chlorides in the vicinity of the landfill sites pertains to Chennai Corporation, Coimbatore Corporation and Madurai Corporation marginally exceeded the drinking water standards. However, it is submitted that the habitations in the vicinity are provided water supply through the respective ULBs. The Ambient Air Quality survey conducted in the vicinity of the landfill sites reveals that the parameter particulate matter PM<sub>10</sub> is marginally exceeded the standards in some of the stations in the above said corporations at particular times. This is being constantly monitored for external factors such as movement of vehicles, wind speed etc.

As per the directions of the CPCB, TNPCB had issued Directions under Section 5 of Environment (Protection) Act, 1986 as amended vide Board Proceeding dated 25.01.2015 to all the Corporations and Municipalities for effective implementation of Municipal Solid Waste (Management & Handling) Rules, 2000.

### Waste to Energy Initiatives by ULBs

### Koyambedu Biomethanation plant in Chennai Corporation

A demonstration biomethanation plant of capacity 30 tonnes per day was established for biomethanation of vegetable market waste at Koyambedu, Chennai with the contract of collection, segregation, transport, processing and disposal of solid wastes generated from the Koyambedu Market Complex.

### Vengadamangalam MSW to Power Project in Kancheepuram District

Integrated Municipal Solid Waste Management for Pallavaram & Tambaram Municipalities project has been proposed in order to generate power from the municipal solid waste. The processing facility was issued with Consent to Establish for processing of

municipal solid waste and to generate Electric Power of 2.9 MW, Refuse Derived Fuel – 3.5 TPH and compost 1.5 TPH by the TNPCB Proc. dated 28.03.2013. During the process, 300 tons per day of unsegregated MSW will be fed into the gasifier plant consisting of pyrolyser which is at 800 °C and in the process, majority of organic portion gets volatized and the inorganic portion along with some organic portion gets converted into char of high calorific value and is delivered out of the system at the bottom. The volatiles generated from organic portion of the municipal solid waste get transferred into Reformer in which Steam is fed to reform the organic volatile gases and degrade them into hydrogen, carbon monoxide and balance methane, carbon dioxide and water vapour. The gaseous mixture is called Syn Gas which is used as fuel to run the gas engines to generate electricity. The unit had been issued with Consent to Operate (Phase-I) for processing of municipal solid waste and to produce Refuse Derived Fuel – 2100 T/M and compost 900 T/M vide Board Proc. No. T13/TNPCB/F.0259MMN/RL/MMN/W/2015 dated 29/05/2015.

### Biomethanation plant at Coimbatore Corporation:

The Coimbatore Corporation has installed a bio gas plant to generate energy out of kitchen and market waste at amma unavagam at Saravanampatty. As and when it becomes operative, there will be considerable energy savings, thereby reducing the maintenance cost.

In pursuance of the above project, the work for 5 MT capacity bio-methanation plant at Goundampalayam is under construction and will be commenced soon for producing electrical energy out of market waste. This electrical energy will be gainfully utilized for street lighting.

At Coimbatore the Biogas produced in 3 Biomethanation plants will be utilized for Gasifier Crematorium and School Kitchen & Slum Community kitchen.

### Establishment of Regional Facilities:

The Director of Municipal Administration has reported that, detailed Project Reports have been prepared for establishing regional facilities in the 5 identified clusters Tiruchirappalli, Tiruppur, Thoothukudi, Vellore and Nagercoil covering 4 Corporations and 25 municipalities

and the Government has announced to implement the project with a total cost of Rs.631.39crore.

Name of the Cluster	Cluster area	Quantity of Waste in MT	Estimated Cost in L.Rs	Technology Involved
Trichy	Corporation area + 3			
Corporation	Municipalities	:		
	Thoraiyur, Manapparai and	247	123.05	
	Thoovakudi			
Thoothukudi	Corporation area + 2			
Corporation	Municipalities	237	94.88	
	Kayalpattinam and Kovilpatti		71.00	Waste to
Tiruppur	Corporation area + 5			energy and
Corporation	Municipalities			Scientific
	Udmalpet, Dharapuram,	633	194.60	Land Fill,
	Vellakoil, Palladam and		17,100	Compost
	Kangeyam			Plant,
Vellore	Corporation area + 11	<del></del>		Sorting
Corporation	Municipalities			Plant, Transfer
	Melvisharam, Vaniyambadi,	020	4.5.5.0	•
	Arakonam, Arcot, Walajapet,	230	155.78	Station &
	Tiruppatur, Jolarpet, Gudiyatham,			Shared
	Pernampet, Ranipet and Ambur			Facilities
Nagercoil	Nagercoil Municipality + 3 other			
Municipality	Municipalities			
	Kuzhithurai, Padmanabhapuram	127	63.08	
	and Kolachal			

### **Good MSW** initiatives

SP m 1

There are two model plant for sustainable waste management in village panchayats, namely Kurudampalayam village panchayat in Coimbatore District and Panapakkam village panchayat in Vellore District. They have adopted solid and liquid resource management system (SLRM) in which the fresh wastes from households and commercial firms in the village have been collected daily in the morning and evening in the form of biodegradable

and non biodegradable and manually segregated by trained self help group in an earmarked place. About 148 waste items are segregated and sold out to the recyclers thereby generating income from the waste. This model is an example for sustainable waste management system where one waste is used as raw material for another product. The wasted egg shells are dried, crushed into powder and sold out as manure for rose plants, because of its high calcium content. The vegetable peels are sent to cattle farm because of its freshness. Dry leaves and plants are sent for composting and generate manure. The cow dung and other food wastes are sent for biomethanation plant and the gas is used for cooking food for the persons involved in segregation. The project is operated by the ward council and the president of the Panchayat and initially funded by the Government through DRDA Department. This Panchayat is using battery operated vehicles and the batteries are charged by solar power inside the premises. Eventually no waste is ended up in landfill and the locally unemployed women got earning potential through a handful of salary through this project and not only their livelihoods increase, but also their environment has become hygienic and lovable place for them. This pilot project by an NGO needs to be evaluated for sustainability and is being visited by others.

Municipal solid waste management involves an integrated approach which require technical and financial support considering the numbers of low income group residents in the urban areas. It also requires public co-operation and education for effective implementation apart from strict regulatory measures as outlined above. Also, all the Municipal authorities as well as the District Collectors who are responsible for the implementation of the Municipal Solid Wastes (Management & Handling) Rules, 2000 are responsible to identify suitable site for management of municipal solid wastes. Board is co-ordinating in all respects to identify suitable lands, issue of Authorisation, creating awareness among the public for source segregation, establishment of Non-Biodegradable collection centres.

for Menther Secretary

# ANNEXURE II Progress made by municipal authorities in respect of implementation of Schedule II [rules 6(1) and (3), 7(1)

All the Municipal authorities have been instructed to take action to stop the disposal of unsegregated municipal solid wastes into low lying areas and water bodies in order to prevent water pollution. Municipal authorities have also been instructed to

- take action for segregating of municipal solid waste at source as wet compostable, dry recyclable, household hazardous, construction debris, inert wastes, etc.
- take action for house to house collection of the segregated municipal solid waste.
- take action for collection of garbage from hotels, office complexes, vegetable markets, fish and meat markets, fruit markets, slaughter houses, etc.
- take action for prohibition of littering and burning of garbage.
- identify a site for biocomposting of municipal solid waste and landfilling inorganic waste.

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. In most urban local bodies the biodegradable wastes are partly composted, segregated plastic waste is used for road laying and remaining waste is dumped in dump yard. The efforts made by the urban local bodies for bringing improvement in waste collection, segregation, storage, transportation and disposal is given in Annexure-II-A.

for Member Secretary

### ANNEXURE - III

# Progress made by municipal authorities in respect of implementation of Schedule III [rules 6(1) and (3), 7(2)]

Among Corporations of Tamilnadu, Coimbatore, Madurai and Salem Corporations have identified and maintaining the landfill facilities with suitable pollution prevention measures. Air and Water Quality monitoring are being monitored for the above three corporations and green belt is provided at the facility. Tirtunelveli Corporation has identified the site for landfill and provided road and lighting facilities in the site along with green belt development. Out of 125 Municipalities, 21 has identified site for landfill facilities and out of 529 Town Panchayats, 92 has identified site for landfill facilities and the local bodies are taking initiatives for setting up of landfill facilities. Other local bodies are identifying landfill site and the major difficulties in identification are availability of suitable land, nearness to water bodies, resistance of local people, etc. The details of landfill site provided at various districts is enclosed in Annexure III-A.

or Member Secretary

### ANNEXURE IV

A SUMMARY STATEMENT ON PROGRESS MADE BY MUNICIPAL AUTHORITIES IN RESPECT OF IMPLEMENTATION OF SCHEDULE- IV [RULES 6(1) & 3, 7 (2)]

Out of 664 ULBs in the State of Tamilnadu, most of the local bodies have adopted composting methodologies such as composting and vermi-composting to part of waste & rest goes for dumping. The integrated municipal solid waste processing facility has been implemented for Salem, Coimbatore and Madurai Corporations which provides compost and Refuse Derived Fuel of commercial value. The list of urban local bodies provided with composting and vermin composting is given in Annexure IVA

A demonstration biomethanation plant of capacity 30 tonnes per day was established for biomethanation of vegetable market waste at Koyambedu, Chennai with the contract of collection, segregation, transport, processing and disposal of solid wastes generated from the Koyambedu Market Complex.

Integrated Municipal Solid Waste Management for Pallavaram & Tambaram Municipalities project has been proposed in order to generate power from the municipal solid waste.

The Coimbatore Corporation has installed a bio gas plant to generate energy out of kitchen and market waste at amma unavagam at Saravanampatty. As and when it becomes operative, there will be considerable energy savings, thereby reducing the maintenance cost. In pursuance of the above project, the work for 5 MT capacity bio-methanation plant at Goundampalayam is under construction and will be commenced soon for producing electrical energy out of market waste which will be gainfully utilized for street lighting.

At Coimbatore the Biogas produced in 3 Biomethanation plants will be utilized for Gasifier Crematorium and School Kitchen & Slum Community kitchen.

Salem Corporation processes 350 TPD of waste in an integrated municipal solid waste processing facility located Chettichavadi Village in which the wet organies are converted to

compost and dry organics are processed to produce 'Refused Derived Fuel' (RDF) which is despatched for use as fuel in boiler, cement kiln etc.

Madurai Corporation has proposed for the improvement of Municipal Solid Waste Management in view of the increasing quantity of non bio degradable waste generation from the city. All non biodegradable combustible waste materials like paper, wood, rexine, rubber, plastic etc will be collected separately and treat in active pyrolysis technology to generate 5.6 MW energy. The Corporation has also proposed to generate methane gas of 5 T by means of bio methanisation technology from organic waste from vegetable markets.

Thanjavur Corporation has proposed to install a bio- digestor at a cost of Rs.90 Lakhs for the treatment and disposal of MSW.

Thoothukudi Corporation has proposed to segregate the bio degradable waste for composting, and to use the waste paper and card board for making Refused Derived Fuel. The corporation is also covered in the regional facilities on cluster based approach for Integrated Solid waste management (ISWM) Projects proposed by the Government.

Tirunelveli Corporation has reported that it has a proposal to improve the SWM practices by

- (i) A project of Waste to energy at an estimate of 55 Crores is under pipe line and it will be completed within one year.
- (ii) A project of scientific closure at an estimate cost of Rs.8.16 Crores is under tender processing.
- (iii) A project of Bio methanation at an estimate cost of Rs.90 Lakhs is under progress.

for Member Secretary

Annexure IA
Status of ULB's with respect to MSW Rules in the state of Tamilnadu (Districtwise

				Abstra	ct)				
SI.		Co	rporation	Mun	icipalities	1	Town nchayats		Totai
No.	Districts	Nos.	MSW generated (TPD)	Nos.	MSW generated (TPD)	Nos.	MSW generated (TPD)	No. of ULB	MSW generated (TPD)
1.	Chennai	1	5000				, , , ,	1	5000
2.	Coimbatore	1	890	3	107	37	210	41	1207
3.	Cuddalore			5	228	16	15	21	275
4.	Dindigul	1	110	3	74	23	68	27	252
5.	Erode	1	275	4	76	42	159	47	510
6.	Dharmapuri & Krishnagiri			3	158	17	40	20	198
7.	Karur			2	139	11	31	13	170
8.	Madurai	1	680	3	55	9	33	13	764
9.	Kanchipuram			9	442	15	363	24	805
10.	Nagapatinam			4	97	8	22	11	119
11.	Namakkal			5	146	19	65	24	211
12.	Thiruvarur			4	52	7	6.8	11	74
13.	Kanyakumari			4	134	56	59	60	193
14.	Ooty			4	68	11	15	15	75
15.	Pudukkottai			2	55	8	23	10	78
16.	Salem	1	350	4	73	33	120	38	543
17.	Ramnad			4	100	7	35	11	135
18.	Sivagangai			3	69	12	36	15	105
19.	Thanjavur	1	120	2	55	22	75	25	250
20.	Theni			6	77	22	72	28	226
21.	Thoothukudi	1	205	2	44	19	30	22	279
22.	Tirunelveli	1	180	7	121	36	38	44	339
23.	Tiruppur	1	508	5	117	16	53	22	678
24.	Tiruvallur			5	241	10	26	15	267
25.	Tiruvannamalai			4	131	10	32	14	330
26.	Tiruchirapalli	1	436	3	45	16	71	20	552
27.	Ariyalur			3	49	6	11	4	60
28.	Perambalur			1	24	4	10	5	34
29.	Vellore	1	230	11	291	16	41	28	562
30.	Virudhunagar			7	234	9	27	16	261
31.	Villupuram			3	123	15	68	18	159
	Total	12	8984	124	3703	528	1901	664	14588

# Generation of Municipal Solid Waste for the Corporations with respect to MSW Rules in the state of Tamilnadu

S.	Name of	Population	MSW	MSW	MSW	MSW
No.	Corporation	in lakhs	generated	collected	treated	disposed
			TPD	TPD		TPD
1.	Chennai	62.5	5000	5000		5000
2.	Coimbatore	12.621	890	890	590	180
3.	Dindigul	2.07	110	110	10	100
4.	Erode	4.98	275	275	120	155
5.	Madurai	14.62	680	640	350	180
6.	Salem	8.31	350	320	320	2
7.	Thanjavur	7.43	120	114		114
3.	Thoothukudi	4.10	205	205		. 205
9.	Tirunelveli	4.99	180	170		150
10.	Tiruppur	8.77	508	508		508
11.	Trichy	7.966	436	416	100	316
12.	Vellore	4.234	230	210		207

### Annexure IB

### Status of Authorisation issued to the Urban Local Bodies in Tamilnadu

### List of Authorisation issued to Corporations

Trichy, Madurai, Coimbatore, Thoothukudi, Salem

## List of Authorisation issued to Municipalities and Town Panchayats

SI. No.	Districts	Authorisation issued to Municipalities	Authorisation issued to Town Panchayats
1.	Chennai	-	-
2.	Coimbatore	Pollachi Valparai Mettupalayam	Kottur Madukkarai Odayakulam Periyanackenpalayarn Gudalur Karamadai Veerapandi Annur
3.	Cuddalore	Chidambaram	-
4.	Dindigul	Palani Kodaikanal	Nilakottai Sithayankottai Vathalagundu
5.	Erode	Sathyamangalam	•
6.	Dharmapuri & Krishnagiri	Krishnagiri Dharmapuri Hosur	Palacode Nagojanahalli
7.	Karur	Karur Kulithalai	Punjai pugalur
8.	Madurai	Thirumangalam	A.Vellalapatti Vadipatti Sholavandan T.Kallupatti Palamedu Alanganallur Paravai Peraiyur Elumalai
9.	Kanchipuram		
10.	Nagapatinam	Nagapattinam Mayiladuthurai Sirkali	Kilvelur Kuthalam Tharangambadi Velankanni Manalmedu

	Name alder	Namakkal	
11.	Namakkal	Tiruchengode	
12.	Thiruvarur	Koothanallur Thiruthuraipoondi Mannargudi Thiruvarur	Muthupettai
13.	Kanyakumari	Colachel Kulithurai Padmanabapuram Nagercoil	Agasteeswaram Kallukootam Kanniyakumari Therror
14.	Ooty	Coonoor	
15.	Pudukkottai		Arimangalam Alangudi Karambakudi Ponnamaravati
16.	Salem	Attur Mettur	Attayampatty Kanankurichi Kolathur Konganapuram Thammampatty Valapadi Jalakandapuram Sendarapatty Veeraganur Yethapur Vanavasi
17.	Ramnad		
18.	Sivagangai	Karaikudi	
19.	Thanjavur		Melattur Melathirupoonthuraithi Thirukkattupalli Swamimalai Cholapuram Thiruvaiyaru Ammapettai
20.	Theni	**	
	Ī		
21.	Thoothukudi		
21.		Ambasamudram Kadayanallur Puliyangudi Sankarankovil Shencottai Tenkasi	Alwarkurichi Aykudi Eruvadi Kalakad Kallidaikurichi Sankarnagar Vasudevanallur
· · · · · · · · · · · · · · · · · · ·	Thoothukudi Tirunelveli	Ambasamudram Kadayanallur Puliyangudi Sankarankovil Shencottai Tenkasi	Alwarkurichi Aykudi Eruvadi Kalakad Kallidaikurichi Sankarnagar
22.	Thoothukudi	Ambasamudram Kadayanallur Puliyangudi Sankarankovil Shencottai	Alwarkurichi Aykudi Eruvadi Kalakad Kallidaikurichi Sankarnagar

26.	Tiruchirapallí	Manapparai	Musiri Kattuputhur Balakrishnanpatty Mettupalayam
07	Aglicolice		Thathiyengarpettai
27.	Ariyalur		
28.	Perambalur	Perambalur	
29.	Vellore	Arakkonam Melvisharam Tirupathur Pernambut	Panapakkam
30.	Virudhunagar	Srivilliputhur Sivakasi Sattur	
31.	Villupuram	Kallakurichi	Ulundurpet Arakandanallur Manalurpet Gingee Vadakkanandal
	Total	48	73

Annexure II-A Status of implementation of Schedule II [ rules 6(1) and (3), 7(1)] by Corporations of Tamil Nadu

		Mini Lorry-1				
		Tractors-9				
		Refuse Collector 6				
		Tipper Lorry-7	-			
		Auto Tipper-6			self help group	
		Mini Auto-4,			sanitary worker&	
	Municipal Solid Waste	Try Cycle-250,			collection by	
Open dumping	No processing of	Push cart-167,	HDPE Bins-312	No segregation	House to house	Vellore
dumping	dumping	Dumper placer 22	open dumping	20 wards	sanitary workers	
manure/open	remaining as open	Trailer- 5 Refuse collector-9			Daily collected by	
•	compost only 100T	Truck TIPPER - 42 Truck				Trichy
processing.						
segregation and				carried out.	impiemented.	
site without	facility is provided.	vehicle to the dump site.		solid wastes are	collection is being	
The MAW are	No MSW processing	The MSW are transported in a closed	No storage facility.	No segregation of	Door to door	Tiruppur
1600				laying		
				shredding for Road		
				and drive to		
		Lorry and 8 Tipper Lorries	bins of 410 are used.	segregated daily		
under progress	progress	Dumper Placer Lurry, 4 compactor	of 220, and 1.1 cum	waste are		
Waste to Energy	Waste to Energy under	Transporatation done through 6	4.5 cu.m. containers	1 M.T. of plastic	74.1	Tirunelveli
1		Truck, Tiller	Storage yard	Manual	Manual	Thoothukudi
			manure			
			manufacture of	•		
			utilized for			
	manufacture of manure		flower market,		-	
	are utilized to	tractors, dumper placer	vegetable market,	source	colleciton	
	Compostable wastes	Throgh tipper onto tipper lorry	Segregated washes,	Segregation at	Door to door	Thanjavur
are sold to recyclers.	•					
Recyclable materials						

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# Status of implementation of Schedule II [ rules 6(1) and (3), 7(1)] by Town Panchayats of Tamil Nadu

segregated plastic waste is used for road laying.	plastic waste are	truck tipper, tractor	stored in	Partial segregation	through container	8	Nagapatinam
	Compost yard at Walajabad TP.	Cycle, Mini Lorry, Mini auto		dumped in area		15	Kanchipuram
LF OILLY	Vermi Compost at	Power Tiller, Tri	dumping yard	are segregated and	collection		
Landfill at Walajabad	Bio-Compost	Tractor, Tata Ace,	No permanent	The collected wastes	Door to door		
			•		street sweeping.	9	Madurai
dumped separately.		without cover	places		push carts and		
construction waste is		tractor and Tipper	at appropriate		Collection by		
Demohshed	Ni.	Transported through	laced	No Segregation	House to House		
Landfill		rucks & Tractors	No Storage	Segregation done	Through bins	11	Karur
	are composted	etc.	and no storage	source	SHG & T.P. Staff		Krishnagiri
<del></del>	Partial composting,	Thro Tractor, tilter	Collected in bins	Partial segregation at	Door to Door by	17	
-		tiller&push carts			bins		Erode
open dumping	No processing	lractor	No storage	Manual	Door to door	42	
partially dumped in Dumping Yard	Partially Composted	Using Trucks,	No Storage	Segregation not proper	Manual Collection	23	Dindigul
9					wards	16	Cuddalore
		Trailor	JITE		Groups in all		)
site	Pellets	Tricycle and Tractor	Dumped in the	3044 66	TP staff, SHG		
site & 3 nos. dumping at	Composting, Vermiculture and	Push cart, Mini		Partial segregation at	Door to Door	<u></u>	
	alone is carried out		( P ( ) 1	source is carried out	dust bins	37	Coimbatore
Composting and storage	Bio composting	By lorries	Open Storage	No segregation at	By lorries using		
Solid Waste	Processing of Municipal Solid Waste	details	details	details	details	Panchayats	District
Disposal of NaturalCipal	Details on	Transportation	MSW Storage	MSW Segregation	MSW Collection	No of Town	Name of

Ramnad		Salem	Pudukkottai	Ooty		Kanyakumari	Thiruvarur	Namakkal	
	7	33	∞.		Ξ	56	7	19	
	Door to door	Bins and Push cart	Door to door Collection		Street collection and partially door to door collection	Manually	through bins placed in the streets	Partial	placer
Manual Segregation at composite Yard	Source Segregation /	Not Segregated	Partial Segregation		Segregated into Biodegradable & Non-Bio-degradable	No segregation	Partial segregation	Nil	
	1	Collected MSW is transported to the dump yard in tractor	Stored in Dumping yard		Bins	Stored in dumping yard	stored in compost yard	Ni	
WITH HEL COVERED	Through tractor	Tractor	Truck, Tractor & Tipper Lorry		Ву Lопу	By Carts/Trucks	Tractor trailer, minivan, minivano, try cycle, push cart	Transported to dumpyard	placer, try cycle, push cart
	Composting	Dumped in the dump yard	Composting is being carried out partially and the remaining is dumped		composting yard for Kothagiri, Ketti, Devarsbola TP	Composting / vermi	plastic waste are partially segregated partially composting and partially dumped in compost yard	NI NI	partially composting and partially dumped in compost yard
	Open aump	Composied	rarry usposed as manure and the remaining is dumped in the yard	Devarshola TP Dumped in open yard for other TP	into manure & Non Bio degradable is dumped in open yard for Kothagiri, Ketti,	Composting Composting	is used for road laying, compost disposed as manure and remaining dumped in the compost yard	Open dumping	and to produce recycled products compost disposed as manure and remaining dumped in the compost yard

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Perambalur		Ariyalur		Tiruvannamalai		Tiruvallur		Tiruppur	!			Tirunelveli				Thoothukudi	Преш	}		Thanjavur				Sivagangai	******	
4		2		10			10	16				36				61	22						22			12
by sanitary workers	Daily collected	workers	Daily collected	collection	Door to door		Bins	implemented.	being	collection is	Door to door		wards	Door by Door	;	Manual	Method	Collection	Door to Door		tractors	collected by	solid waste			Door to door
Daily segregated by sanitary workers		sanitary workers		source	Partial segregation at		NEI		carried out.	solid wastes are	No segregation of	workers	workers are segregating the	yard only Four	Collected wastes are segregated at compost	Manual			Segregation at source			ſ	Segregation at source	composite Yard	Manual Segregation at	Source Segregation /
stored in compost yard		compost yard		storage	No intermediate		Ni			facility.	No storage		ļ			Storage yard	adopted	storage system	No intermittent	compost	converted into	wastes are	Segregated solid			1
Auto, Push cart	TRACTOR With Trailer, One Mini	Push cart	TRACTOR With Trailer, One Mini		Through tractors		Lorry	cump site.	closed vehicle to the	transported in a	The MSW are		Mini auto-1 Push Card-5	Power Tiller - 1 No,	Tractor - 1 No,	HUCK	Table	Mechanical system	Transported by	push cart	ACE, mini auto,	tractors, TATA	Power triller,		with net covered	Through tractor
Manure compost		Manure compost			Partial Composting		Z		is provided.	processing facility	No MSW		with E.M. Solution	waste are used to	degradable solid	2		collection	Source segregation		and plastic waste	split for compost	solid wastes are			Composting
dumping dumping		dumping	Manure sold out / open		Dumped	yards	in existing dumping	processing.	Segregation and	to the dump site without	The MS w are disposed	1000			Composition Strategy	Composition / Diamino	,		Landill	purpose	sale for agricultural	fertuizer and going to	Compost converted into			Open dump

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Villupuram	A TI DOMINIA SOT	Virudhunagar							Vellore			
5		٥										16
Yes							collection	Door to Door			collection	House to house
Yes	Sumpring Janes.	dumning vard	segregation is done at	public. However	of cooperation from	effection due to lack	collection is not	Door to Door		,	composite site only	Waste segregated at
Surdiminado	One dimension				•	under dispute	Land site is	S.Kodikulam			plastic bin	RCC bin &
•					Pushcart	Tricycle	Tractor	Through Vehicle	and Tipper autos	Tricycle, push carts	Power Tiller,	Tractor Trailer,
	Composting							Partial compositing			of the organic waste	composting the part Open dumping
	Used as Manure							Stored III company and	Stored in compost vard			Open dumping

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# Status of implementation of Schedule II [ rules 6(1) and (3), 7(1)] by Municipalities of Tamil Nadu

Municipality Collection Municipality Collection Municipality Collection Collection Assw Municipality Assergation at Assertation Collection is Collection			using Truck- Tipper and	Dump Yard		Compactor bins		
Name of Municipality   Collection   MSW Segregation at dust bins   Source is carried out   Source is	Dumping 1 ard	Dumping	Transported	Stored in the	No Segregation	Collection using	Oddanchatram	Dindigul
Municipality  Collection  Municipality  Collection  By lorries using dust bins  Valparai  Metupalayam  Collection is bounce is carried out  Collection is cource is carried out  Collection is source is carried out  Collection is one by house to bounce by house to source by bounce to source by house to bounce by house to source by house to bounce by house to source by house to bounce by house to source by house to bounce by house		Composting	Dumper -Placer	site		house		
Name of MSW Collection details	used	•	Trailorand	Dumped in the	source	done by house to	Virudhachalam	
Name of MSW   MSW Segregation   MSW Storage   Manicipality   Collection   details	I No of landfull sucs		Tricycle, Tractor		Partial segregation at	Collection is		
Name of MSW   MSW Segregation   MSW Storage   Municipal Solid   Muni	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Dumper -Placer	site		house		
Name of MSW   MSW Segregation   MSW Storage   Manicipality   Collection   details   Minicipality   Collection   details   Minicipal Solid	Olle site		Trailorand	Dumped in the	source	done by house to	Panruti	
Name of MSW   MSW Segregation at MSW Storage   Details on MSW Storage   Details on details	Dumping as it is at	Duniping	Tricycle, Tractor		Partial segregation at	Collection is	-	
Name of MSW Collection details Is Transportation Details of Municipality Collection at details Is Polachi Municipality Collection is Faction at Collection is Collection i			auto, IAIAACE	site		house		
Name of MSW Collection details	Olic Site		Push cart, Mini	Dumped in the	source	done by house to	Nellikuppam	
Name of MSW Collection details  Pollachi  Popen Storage  Pollachi  Popen Storage  Pope	Dumping as it is at	Dumping	Dumper -Placer.		Partial segregation at	Collection is		
Name of MSW MSW Segregation MSW Storage Municipality Collection details  Pollachi Municipality Collection details  Pollachi Gollection details  Pollachi Gust bins  Popen Storage By lorries  Pollachi By lorries using dust bins  Popen Storage By lorries  Popen Storage By lorries  Popen Storage By lorries  Popen Storage By lorries  Composting carried out  Collection is done by house to house  Collection is one Partial segregation at by house to house  Collection is  Collection is  Partial segregation at bumped in the Cart and Tractor Trailor  Collection is one Partial segregation at Collection is source  Source Source  Collection is one Partial segregation at Collection is one Source  Collection is one Partial segregation at Source Source  Collection is Open Storage  Dumped in the Tractor Trailor  Tractor Trailor  Tractor Trailor  Tractor Trailor		Composting		site		house		
Name of MSW Collection details MSW Storage Municipality Collection details Municipality Collection details Municipality Collection at MSW Storage Pollachi By Iorries using dust bins Source is carried out Use bins House Collection is once Details Municipal Solid Waste  Name of MSW Segregation at Collection is once Details Municipal Solid Waste Municipal Solid Waste Waste  Pollachi By Iorries using Source is carried out dust bins Source is carried out House Tricycle and Tricycle and Collection is Details on Detail	usea		Tractor Trailor	Dumped in the	source	done by house to	Chidambaram	
Name of MSW Collection details MSW Segregation at Collection is one by house to Coldadore Coudadore Coudadore Condess to the Coudadore Coudadore MSW Segregation at Collection is one Partial segregation at by house to house to Collection is one Partial segregation at by house to house to condess and condess to compositing the composition at by house to house to house to condess and condess to compositing the compositing that the compositing that the condess to compositing the compositing that the compositing that the compositing that the condess that the	Z No of landing sites		Tricycle and		Partial segregation at	Collection is		
Name of MSW Collection detail details  Municipality Collection detail details  Processing of Manucipal Solid details  Municipal Solid details  Processing of Manucipal Solid Waste  Prollachi By Iorries using dust bins  Valparai By Iorries using dust bins  Valparai By Iorries using dust bins  Valparai Collection is done by house to house  Collection is one Partial segregation at Collection at Dumped in the Cart and Tractor  Naw Storage details  Metails  Processing of Manucipal Solid Waste  Waste  Waste  Prollachi Processing of Manucipal Solid Waste  Waste  Processing of Manucipal Solid Waste  Waste  Partial segregation at Open Storage  Popen Storage  By Iorries  Composting details  Processing of Manucipal Solid Waste  Waste  Waste  Processing of Manucipal Solid Waste  Waste  Composting tarried out  Tipper Iorries, Bio composting tallone is carried out  Processing of Manucipal Solid Waste	2 17 61 - 161 - 161	Dumping	Trailor	site		house		
Name of Mame of Municipality       MSW Collection details       MSW Segregation at details       MSW Storage details       Transportation details       Details on Processing of Municipal Solid	one site		Cart and Tractor	Dumped in the	source	by house to	Cuddalore	
Name of Municipality       MSW       MSW Segregation at dust bins       MSW Storage       Transportation letails       Transportation processing of adetails       Municipal Solid	Dumping as it is at		Tricycle, Push		Partial segregation at	Collection is one		Cuddalore
Name of Municipality       MSW Collection detail       MSW Segregation at dust bins       MSW Segregation at dust bins       MSW Storage       Transportation details       Transportation Processing of Processing of Municipal Solid         Pollachi       By Iorries using dust bins       No segregation at Source is carried out dust bins       Open Storage       By Iorries       By Iorries windro composting-Pelletiztion is being carried out         Valparai       By Iorries using dust bins       No segregation at dust bins       Open Storage       By Iorries       By Iorries       Bio composting alone is carried out         Mettupalayam       Collection is done by house to house       Collection is done by house to house       Tipper Iorries, truck Iorries, truck Iorries, truck Iorries, verni composting dumper placers & Verni composting			pushcarts					
Name of Municipality       MSW Collection Most detail       MSW Storage details       Transportation details       Processing of Municipal Solid         Pollachi       By Iorries using dust bins       No segregation at dust bins       Open Storage       By Iorries       By Iorries wing draw mill-windro composting-pelletiztion is being carried out.         Valparai       By Iorries using dust bins       No segregation at dust bins       Open Storage       By Iorries       By Iorries       By Iorries         Mettupalayam       Collection is done by house to       Collection is details       Open Storage       By Iorries       Bio composting alone is carried out truck Iorries, truck Iorries, verni composting & Verni composting & Verni composting			dumper placers &			house		
Name of Mounicipality       MSW Segregation detail       MSW Storage       Transportation details       Details on details         Pollachi       By Iorries using dust bins       No segregation at dust bins       Open Storage       By Iorries By Iorries using dust bins       No segregation at Collection is       Open Storage       By Iorries By Iorries Using Composting at Composting Source is carried out       Open Storage       By Iorries By Iorries Bio composting alone is carried out         Valparai       By Iorries using dust bins       No segregation at Collection is       Open Storage       By Iorries Bio composting alone is carried out       Bio composting alone is carried out         Mettupalayam       Collection is       Collection is       Tipper Iorries, Bio composting & Tipper Iorries		Verm composting	truck lornes,			done by house to		
Name of Mame of Mounicipality       MSW Segregation detail       MSW Segregation details       MSW Storage details       Transportation details       Details on Processing of Moesting of Municipal Solid         Pollachi       By Iorries using dust bins       No segregation at Open Storage       Open Storage       By Iorries       Segregation using Composting Composting Pelletiztion is being Carried out.         Valparai       By Iorries using dust bins       No segregation at Composting Source is carried out       Open Storage       By Iorries       Bio composting Bio composting alone is carried out	Віо тапите	Bio composting &	Tipper lorries,			Collection is	Mettupalayam	
Name of Municipality       MSW Collection detail       MSW Segregation detail       MSW Storage details       Transportation details       Details on Mounicipal Solid         Pollachi       By Iorries using dust bins       No segregation at dust bins       Open Storage       By Iorries       By Iorries windro composting-Pelletiztion is being carried out.         Valparai       By Iorries using       No segregation at Open Storage       Open Storage       By Iorries       Bio composting-Pelletiztion is being carried out.	slorage	alone is carried out			source is carried out	dust bins	1	
Name of Municipality       MSW Collection detail       MSW Segregation detail       MSW Storage details       Transportation details       Details on MSW Storage details         Pollachi       By Iorries using dust bins       No segregation at dust bins       Open Storage       By Iorries By Iorries draw mill- windro composting- Pelletiztion is being carried out.	Composting and	Bio composting	By lorries	Open Storage	No segregation at	By lorries using	Valparai	
Name of Municipality       MSW Collection detail       MSW Segregation detail       MSW Storage details       Transportation details       Details on Processing of Municipal Solid         Pollachi       By Iorries using dust bins       No segregation at Open Storage       Open Storage       By Iorries By Iorries draw mill- windro composting- Pelletiztion is being		carried out.						
Name of Municipality       MSW Collection detail       MSW Segregation detail       MSW Storage details       Transportation details       Details on MSW Storage details         Pollachi       By lorries using dust bins       No segregation at dust bins       Open Storage       By lorries dust bins       By lorries carried out       By lorries draw mill- windro composting-		Pelletiztion is being						
Name of MSW Segregation MSW Storage Transportation Details on Msw Storage details  Municipality Collection detai details  Pollachi By lorries using dust bins Source is carried out MSW Storage Transportation Msw Storage details  MSW Storage Transportation Processing of Municipal Solid Waste  Pollachi By lorries using draw mill- windro		composting-						
Name of MSW MSW Segregation MSW Storage Transportation Details on Msw Storage details Municipality details ls Municipal Solid Waste	storage	draw mill- windro			source is carried out	dust bins		
Name of MSW MSW Segregation MSW Storage Transportation Details on MSW Storage details Municipality details ls MSW Storage Transportation Processing of Municipal Solid Waste	Composting and	Segregation using	By lorries	Open Storage	No segregation at	By lorries using	Pollachi	Coimbatore
Name of MSW Segregation MSW Storage Transportation Details on MSW Storage details  Municipality Collection detai details  Is MSW Storage Transportation Details on Processing of Municipal Solid Waste								
Name of MSW Segregation MSW Storage Transportation Details on Mounicipality Collection detail details details Municipal Solid		Waste			1	1		
Name of MSW Segregation MSW Storage Transportation Details on Municipality Collection detail details Processing of	Waste	Municipal Solid			ls	details	1	
Name of MSW MSW Segregation MSW Storage Transportation Details on	Municipal Solic	Processing of	details	details	detai	Collection	Municipality	District
	Disposal of	Details on	Transportation	MSW Storage	MSW Segregation	MSW	Name of	Name of

					& Push Carts		
	Landfill			1	dumper placers		
Kulithalai	Composting &	Trucks & Tippers	No storage	Seggregated	Tricycles,	Kulithalai	Karur
as it is	No Process	Thro" Tractor & Lorry	No intermediate storage	Partial segregation at source	Door to Door by Municipality Staff & SHG	Dharmapuri	
as it is	composting	Thro" Tractor & Lony	No intermediate storage	Partial segregation at source	Door to Door by Municipality & SHG	Hosur	
At present dumping	Steps taken for composting	Trucks & Tippers	No Storage	Partial segregation at source	Door to Door by Municipality & SHG	Krishnagiri	Dharmapuri and Krishnagiri
Dumping		Tipper lorry 2 Nos & dumper placer 2 Nos	Dumping	•	Door to door collection by municipality workers	Gobichettipalayam	
Open dumping	Composting	Tipper lorry 2 Nos & dumper placer 3 Nos	open dumping by compost yard	ı	Door to door collection by municipality workers	Bhavani	
Open dumping	1	Transportation by tipper lorry 1 No & dumper placer lorry 1 No	open dumping by compost yard	Primary segregation	Door to door collection by municipality workers	P.Puliampatty	
3 mt of Segreated waste compost by Windrows method	Composting by Windrows method	Dumper Placer	Dumper Bins: 55	7 wards segregation	27 wards door to door collection	Sathyamangalam	Erode
Compost Yard	Certain quantity of waste is compost in composted yard.	Transported using Truck- Tipper and Dumper- Placers	Stored in the Compost Yard	No Segregation	Collection using Dumper placer	Koddaikanal	
Dumping Yard	Dumping	Transported using Truck- Tipper and Dumper- Placers	Stored in the Dump Yard	Nc Segregation	Collection using Compactor bins	Palani	
		Dumper- Placers					

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Presently dumped new project has	Closed covered vehicles like	Organic waste are	Segregated waste are	Door to door	Pallavapuram	
med s(26- llity)	MSW are carried in 39 vehicles(26-private 13-Municipality)		privatized are imparted to do segregation.			
ay of	103.68T/day of	_	21 wards that are	39420	Tambaram	
	-	•		42MT	Maraimalai Nagar	
6 -4 -1 -2 lector-	Auto-6 Tractor-4 Dumper-1 Tipper-2 Refuse collector-	ı	I	33 numbers	Chengalpet	Kanchipuram
				places		
Joines	and hipper lornes	places		Dumper bins placed at		
icle	placer vehicle	in appropriate		push carts.		
mper d	Transported through dumper	Dumper Bins have been placed	No segregation	House to House Collection by	Melur	
				appropriate places		
	, H	Post Coo		placed at		
le lorries	placer vehicle	in appropriate		push carts.		
per	through dumper	have been placed	INO SCRICE AUGIT	Collection by	Ostrattipatti	
	Transported	Dumner Rinc	Noncortion	places	I I i la manati	
			•	appropriate		
	and direction	places		placed at		
	placer venicie	in appropriate		push carts.		
<b>p</b> er	through dumper	have been placed	tio actic ganon	Collection by	THE CHARACTER STREET	TATOO OT OT
	Transported	Dumper Bins	No segregation	House to House	Thinmangalam	Madurai

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Madhurandhagam	Kancheepuram	Anakaputur	Panmal	
Initially collected door to door for 7 wards (1to 7) through push carts and also 3 Autos being engaged for door to door collection for 6	Municipal solid waste are collected directly by municipal administration in 26 wards and through private party in 25 wards	21MT daily generated out of this 20MT are collected daily through Municipal workers and contract workers	35T collected daily through municipality and NGO firm	
Recently started segregation activity at compost yard separately engaged for 10 Daily wages labour for this activity	Plastic waste are processed through SHG's	0.305 MT plastic bags and materials.ie.Re- useable were collected at door to door/primary collection	0.7MT plastic collected like PET bottles,carry bags,milk cover at door to door system	source-60% achieved
Land purchased under IUDM scheme 37 Compactor Bins with capacity of 1100 liters for storage of municipal solid waste at the community level.	Waste collected are stored with help of compactor bins, dumper placer bins & hook loader bins	Dumping at yard	Dumping yards	recyclable waste are disposed.
Having three Dipper lorries for transportation of MSW to compost yard Daily two to three trips.	Having 3 tipper lorry, 1 tractor, 2 dumper placer, 3 compactor, 1 hook loader & 4 tipper auto.	2-Tipper lorry Mini lorry-2	Tipper lorry-2 Tractor-2 Compacter-1 JCB-1	compacters and dumper placers are used.
Planning to recycle MSW into manure through windrow composting and vermin composting.	1	ı	Waste collected and segregated at door step and processed for Vermi composting yard	been commenced on waste to energy technology
	Presently dumped in open yard	Dumping	After segregated the balance garbage and canal waste are dumped in compost yard.	

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vaste is used for road laying and remaining dumped in the compost yard.	Composting 10 Tons of organic waste by Windrow processing and also vermi	By lorries	Dumped in the site	Partial segregation at source	Collection is done by house to house	Rasipuram	Namakkal
waste is used for road laying and remaining dumped in the compost yard	plastic waste are partially segregated	Tractor trailer – 1 no no dumper placers – lnos tipper lorry – 3 nos	stored in compost yard	8 wards out of 20 wards	through dumper placer placed in streets	Vedaranyam	
segregated plastic waste is used for road laying and remaining dumped in the compost yard	plastic waste are partially segregated	ck tipper - 2 nper placer - nper placer - 17 no h cart - 18	stored in compost yard	7 wards out of 24 wards	through dumper placer placed in streets	Sirkali	
segregated plastic waste is used for road laying and remaining dumped in the compost yard	plastic waste are partially segregated	Tractor trailer - 2 nos dumper placers - 3 nos tricycle - 39 nos tipper lorry - 3 nos	stored in compost yard	all the 36 wards	through dumper placer placed in streets	Mayiladuthurai	
segregated plastic waste is used for road laying and remaining dumped in the compost yard	plastic waste are partially segregated	Truck – tipper – 4 nos dumper placers – 4 nos tricycle – 7 nos Auto tipper – 4 nos	stored in compost yard	all the 36 wards	wards (11 to 15 & 8) through dumper placer placed in streets	Nagapattinam	Nagapattinam

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By lorries  By lorries  By lorries  By lorries  By lorries  Affini lorry – 1 no tipper mini lorry – 1 no tractor trailer – 1 no	stored in compost Mini yard tippe: - Inc tractc	Wards			
waste by SHG workers through sever machine daily in good manner  By lorries Partial  By lorries Partial	d in compost	wards	•		
waste by SHG workers through sever machine daily in good manner  By lorries Partial By lorries Partial By lorries Partial By lorries Partial	Ç	10 wards out of 30	through compactor bins placed in streets	ur Thiruvaur	Thiruvarur
waste by SHG workers through sever machine daily in good manner  By lorries Partial  By lorries Partial  By lorries Partial  By lorries Partial	Site -	source	done by house to house		
waste by SHG workers through sever machine daily in good manner By lorries Partial By lorries Partial Bio Mining	Dumped in the B	Partial segregation at	Collection is	Thiruchengode	
waste by SHG workers through sever machine daily in good manner By lorries Partial By lorries Partial Bio Mining					· · · ·
waste by SHG workers through sever machine daily in good manner By lorries Partial Bio Mining	ļ		house		
waste by SHG workers through sever machine daily in good manner  By lorries Partial	Dumped in the B	Partial segregation at	Collection is	Namakkal	
waste by SHG workers through sever machine daily in good manner  By lorries Partial					
waste by SHG workers through sever machine daily in good manner  By lorries Partial			10036		
waste by SHG workers through sever machine daily in good manner  By lorries Partial	31.00	Southe	done by nouse to		
<u> </u>	n the	Partial segregation at	Collection is	Komarapalayam	
_ <del></del>				e venue	***** · · · ·
prepared from waste is used for the prepared from laying and remaining	Site	ѕошсе	done by house to house		
By lorries Manure are	Dumped in the By	Partial segregation at	Collection is	Pallipalayam	
composting					

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Dumped in open yard				Dia da la dalla	door to door		
Dumped in open yard	_			and analytic of TAOH-	The Personal Prints		
	7	ву Lorry	Bins	degradable & Non	and narrially	Ouriagamandalam	
	1111				concernon	114haaaa 3-1	
	·			Bio-degradable	collection		
				degradable & Non-	and partially	Coonoor	
Dumped in open yard	Zil	By Lorry	Bins	Segregated into Bio-	Street collection		Nılgiris
yard			,		collection		
g Stored in dumping	No processing	Through Trucks	Storage yard	Partially done	Door to door	Colachel	
yard					collection		
g Stored in dumping	No processing	Through Trucks	Storage yard	Partially done	Door to door	Padmanabhapuram	
yard					collection		
g Stored in dumping	No processing	Through Trucks	Storage yard	Partially done	Door to door	Nagercoil	
yard		,	(		collection		
	No processing	Through Trucks	Storage yard	Partially done	Door to door	Kuzhithurai	Kanyakumari
compost yard							
dumped in the		•					
laying and remaining		mini van – 1	,		streets		
waste is used for road		dumper placer - 1	yard		placer placed in		
segregated plastic	plastic waste	mini lorry – 2 nos	stored in compost	t	through dumper	Koothanallur	
compost yard		tricycle – 4 nos	<del></del>				
dumped in the	•	lno					
laying and remaining	segregated	tractor trailer -					
waste is used for road	are partially	2nos	yard	wards	placed in streets		•
segregated plastic	plastic waste	truck upper -	stored in compost	10 wards out of 24	through bins	Thiruthuraipoondi	
		tricycle - 20 nos					
	-	nos					,
		dumper placer - 2			•	••	
		!					
		refuse - collector	-				
		no	-				
compost yard		tractor trailer 1					
dumped in the		no			placed in streets		
laying and remaining	segregated	truck tipper - 1	•		compactor bins		
waste is used for road	are partially	2nos	yard	wards	placer and		
segregated plastic	plastic waste	tipper lorry -	stored in compost	4 wards out of 33	through dumper	Mannargudi	

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	Mettur					Eda					Nar					Salem Attur					Ara					Pudukkottai Pud						Ne	Q	C
	Eur				•	Edappadi				,	Narashingapuram					JT				£.	Aranthanoi					Pudukkottai						Nellivalam	Chrann	da line
	Bins, Push Cart					Bins, Push Cart					Bins, Push Cart					Bins, Push Cart		bins-48 Nos	dumper placer	Collection &	Manual		hins-60 Nos	dumper placer	Collection &	Manual		001001	collection	door to door	and partially	Street collection	collection	Door to door
recyclable waste is	Plastic and other		1	segregated from MSW.	recyclable waste is	Plastic and other		(	segregated from MSW.	recyclable waste is	Plastic and other		1	segregated from MSW.	recyclable waste is	Plastic and other		:	wards.	segregation in all 27	Door to door			wards out of 42	segregation in 15	Door to door			t of the state of	Bin-de gradable	degradable & Non-	Segregated into Bio-	ranany done	Dartially Acre
waste is	Collected solid	the compost yard	through trucks to	transported	waste is	Collected solid	the compost yard	through trucks to	transported	waste is	Collected solid	the compost yard	through trucks to	transported	waste is	Collected solid			(	Dumping yard	Stored in				Dumping yard	Stored in						Bins	3101agc ) at u	Storage ward
	Trucks					Trucks					Trucks					Trucks		Tractor etc.,	lorry, Tipper	Dumper placer	Tipper Lorry,			lorry	Dumper placer	Tipper Lorry,					•	By Lorry		Through Trucks
composted in the	Segregated waste is	sold	recyclable waste is	compost yard and	composted in the	Segregated waste is	sold	recyclable waste is	compost yard and	composted in the	Segregated waste is	sold	recyclable waste is	compost yard and	composted in the	Segregated waste is	dumped	remaining is	partially and the	being carried out	Composting is	dumped	remaining is	partially and the	being carried out	Composting is					Composting yard	Windrow	,	No processing
out.	Bio compost is sold		are sold to recyclers.	Recyclable materials	out	Bio compost is sold		are sold to recyclers.	Recyclable materials	out.	Bio compost is sold		are sold to recyclers.	Recyclable illaterials	Dur.	Bio compost is soid		in the yard	remaining is dumped	manure and the	Partly disposed as		in the yard	remaining is dumped	manure and the	Partly disposed as	yard	is dumped in open	2.Non Bio degradable	manure	convert into	1.Bio degradable	yard	Stored in dumping

Dumping at STP site Thepperaumanallur 5TPD Biomethanation power generation	1	Dumper placer lorries	MSW stored in dumper placer bins	Segregated waste are disposed at STP site Thepperaumanallur	MSW collected through push cart, tricycle and the collected garbage stored in	Kumbakonam	Thanjavur
Open dump	Composting	Through municipal vehicles net covered	!	Manual Segregation at compost yard	Door to door	Karaikkudi	
Open dump	Composting	Through municipal vehicles net covered		Manual Segregation at compost yard	Door to door	Sivagangai	
I			*	1	•	Devakkottai	Sivagangai
Open dump	Composting	Through municipal vehicals with net covered	!	Manual Segregation at composite Yard	Door to door	Keelakarai	
Open dump	Composting	Through municipal vehicals with net covered	1	Manual Segregation at composite Yard	Door to door	Paramakudi	
Open dump	Composting	Through municipal vehicals with net covered	1	Manual Segregation at composite Yard	Door to door	Rameswaram	
Open dump	Composting	Through municipal vehicals with net covered	•	Manual Segregation at composite Yard	Door to door	Ramanathapuram	Ramnad
Recyclable materials are sold to recyclers.	compost yard and recyclable waste is sold		transported through trucks to the compost yard	segregated from MSW.			

		Auto.	5.00 Acres	Level for / Wards	Plastic - 3.00%		
Dumping	ı	Dumper Places	Compost yard at	Segregation at Source	Bio-Degradable	Ambasamudram	Tirunelveli
	Composung	<b>Loпy</b> , Гіррег	Storage Yard	Manual	Manual	Kovilpatti	
		Lorry, Tipper	Dumper bin	Manual	Manual	Kayalpattinam	Thoothukudi
	Composting						
yard yard	Source segregation collection	Transported by Dumper Placer vehicle	No intermittent storage system adopted	Segregation at source	Door to Door Collection Method	Gudalur	
Dumping at composition	Source segregation collection	Transported by Dumper Placer vehicle	No intermittent storage system adopted	Segregation at source	Door to Door Collection Method	Chinnamanur	
yard	collection	Transported by Dumper Placer vehicle	No intermittent storage system adopted	Segregation at source	Door to Door Collection Method	Cumbum	
yard yard		Dumper Placer vehicle	No intermittent storage system adopted	Segregation at source	Door to Door Collection Method	Bodinaickanur	
Duniping at compost	Source se preparion	1					
Dumping at compost yard	Source segregation collection	Transported by Dumper Placer vehicle	No intermittent storage system adopted	Segregation at source	Door to Door Collection Method	Periyakulam	
yard	collection	Transported by Dumper Placer vehicle	No intermittent storage system adopted	Segregation at source	Door to Door Collection Method	Theni-Allinagaram	Theni
municipal composi yard  Dimpine at composi		Dumper placer – 2 Tractor - 3	Dumper placer bins – 57 nos.	Only 11 wards segregation	Door to door collection through cycle rickshaw	Pattukkottai	4
at kumbakonan					plastic containers		
nlant under erection							

Tenkasi	Shenkottai	Sankarankovil	Puliyangudi	Kadayanallur	
Bio-Degradable - 54% Plastic - 2% Paper - 2.5 % Metal, Glass &	Bio-Degradable - 42.29% Plastic - 4% Paper - 2.10% Metal, Glass & Rubber - 1.10%		Bio-Degradable - 54% Plastic - 2.5% Paper - 2 % Metal, Glass & Rubber - 2.5% Inert - 39 %	Bio-Degradable - 46.59%% Plastic - 9% Paper - 3.15% Metal, Glass & Rubber - 1.40% Inert	Paper -4% Metal, Glass & Rubber - 1.5% Inert -38%
Segregation at Source Level for 12 Wards			Segregation at Source Level for 11 Wards	Segregation at Source Level for 8 Wards	
Compost yard at Mathalamparai- 3.03acres Boganallur-8.25 acres	Compost yard at 5.10 Acres		Compost yard at 5.06 Acres	Compost yard at 10.25 Acres	
Dumper - Placers l Push carts Mini Lorry	Mini Lorry Dumper Places Auto.		Mini Lorry Dumper Places Auto	Mini Lorry Dumper Places Auto. Tractor	Tractor
Dumping	Windrows		Windrows	Windrows	
Dumping	Dumping		Windrows & Dumping	Windrows & Dumping	

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			Тігорршг		
Kangayam Municipality	Dharapuram Municipality	Udumalpet Municipality	Palladam Municipality	V.K. Puram	
Door to door collection is being implemented.	Door to door collection is being implemented.	Door to door collection is being implemented.	Door to door collection is being implemented.	Degr 48.8 stic stic al, G	Rubber - 2.5% Inert - 39%
No segregation of solid wastes are carried out.	No segregation of solid wastes are carried out.	The MSW are segregated mechanically and manually in the MSW processing facility at SF.No.130/4, 130/5, Ganapathipalayam Village, Udumalpet Taluk, Tiruppur District. But, the segregation is not properly carried out.	No segregation of solid wastes are carried out.		
No storage facility.	No storage facility.	Storage facility is provided at the MSW processing facility.		Compost yard at 6.84 Acres	
The MSW are transported in a closed vehicle to the dump site.	The MSW are transported in a closed vehicle to the dump site.	transported in a closed vehicle to the MSW processing facility.	The MSW are transported in a closed vehicle to the dump site.	Mini Lorry – 2 Nos. Dumper PlaceR – 1 Nos. 4 Wheeler Auto – 2 Nos. 3 Wheeler auto – 4 Nos	
no MSW processing facility is provided.	No MSW processing facility is provided.	processing (bio composting) facility is provided at SF.No. 130/4, 130/5, Ganapa thipalayam Village, Udumalpet Taluk, Tiruppur District.	No MSW processing facility is provided.	Open dumping	
disposed to the durnp site without segregation and	the MSW are disposed to the dump site without segregation and processing	MSW are stored in the processing facility	The MSW are disposed to the dump site without segregation and processing. The uncomposted	Open dumping	

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		2 un cycle 22		(	by sanitary		Derambahur
open dumping	NIL	Truck TIPPER -	open dumping	No segregation	Daily collected	Manapparai	Trichy,
Dumped	N <sub>I</sub>	Through lorry, tractors	No intermediate storage	Partial Segregation at source	Door to door collection	Vandavası	
Dumped	Nil	Through lorry, tractors	No intermediate storage	Partial Segregation at source	Door to door collection	Thiruvathipuram	
Dumped	N.	Through lorry, tractors	No intermediate storage	Partial Segregation at source	Door to door collection	Tiruvannamalai	
Dumped	Nii	Through lorry, tractors	No intermediate storage	Partial Segregation at source	Door to door collection	Arani	Tiruvannamalai
dumped in existing dumping yards		raddti	7	Nil	Bins	Tiruttani	
dumped in existing dumping yards  MSW are being	Z	Lipper	Zi	Ni	Bins	Tiruverkadu	
dumped in existing dumping yards  MSW are being	Z Z	Tipper	Nil	Nil	Bins	Tiruvallur	
dumped in existing dumping yards	Ni	Tipper	Nij	Ni	Bins	Poonamallee	
dumped in existing dumping yards	Z	Tipper	Nil	Ni	Bins	Avadi	Tiruvallur
disposed to the dump site without segregation and processing.	no MS w processing facility is provided.	The MSW are transported in a closed vehicle to the dump site.	No storage facility.	No segregation of solid wastes are carried out.	Door to door collection is being implemented.	Vellakoil Municipality	
processing.	N MOW						

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				Vellore V						<i>t</i> -				F.				7			7	
Gudiyatham				Vaniyambadi		Jeyankondam				Ariyalur				Perambalur				Thuvakudi			Thurziyur	
The solid waste collected in the	yard through trucks.	transferred to the open dumping	street bins are	The solid waste	by sanitary workers	Daily collected	workers	by sanitary	Daily collected		WOIKEIS	by sanitary	Daily collected		workers	by sanitary	Daily collected		workers	by content		workers
The local body has carried out source		waste by door to door collection in 24 wards	segregation of solid	The local body has	No segregation		No segregation			C C	No segregation				6 wards				18 wards			
No transfer stations provided/	disposed through trucks and dumped in open dumping yard.	collected in street bins are directly	The solid waste	No transfer	open dumping		Open dumping	oren dimping			open dumping	***************************************			open dumping				open dumping			
collected in street	No. of trucks	open dumping	bins are	The solid waste collected in street	Dumper placer 1	- 1 Truck	Tnick TIPPER	mini auto - 2  Dumper placer 1	Trailer- !	Truck TIPPER -		Dumper placer 1	tata ace- 9	2 tri cycle 34	4-		Trailer- 1	Truck Truck	cer l	32 Dumper	2 Push cart	
processing facility			provided.	processing facility	NIL			NIL			NIL				NE				Vermi compost			
collected are dumped	The solid waste		in the open dumping	collected are dumped	open dumping			open dumping			open dumping				dumping	manure/open	•		dumping	manure/open		

	processing factory	collected in street	stations provided/	carried out source	collected in the	Joiarpet	
collected are dumped	No waste	The solid waste	No transfer	The local hody has	The colled weets		
The colled sayacte			dumping yard.				
			dumped in open		HUCKS.		
		No. of trucks	trucks and		yard anorga		
		yard through 5	disposed through		ward through	-	
		open dumping	bins are directly	collection in 16 wards	open dimpins		
•		transported to the	collected in street	waste by door to door	transferred to the		
vard	provieca.	bins are	The solid waste	segregation of solid	street hins are		
in the open dumping	provided	collected in street	stations provided/	carried out source	collected in the	- Allou	
collected are dumped	No waste	The solid waste	No transfer	The local body has	The solid waste	A 120	
The colid waste			dumping yard.				
	•		distribution on the		trucks.	_	
		No. of trucks	trucks and		yard through		
		yard through 6	disposed through	collection in 13 wards	open dumping		
		open dumping	Ling ore directly	waste by door to door	transferred to the		
yard		transported to the	collected in street	segregation of solid	street bins are		
	provided.	bins are	The solid waste	Carrier of solid	collected in the		
collected are dumped	processing facility	collected in street	stations provided/	The local body has	The solid waste	Tirupathur	
The solid waste	No waste	The solid waste	dumping yard.				
			dumped in open			•	
	-	140.0	trucks and		trucks.		
		No of micks	tandara and		yard through	-	
		yard through 5	disposed through	collection in a wards	open dumping		
		open dumping	hins are directly	waste of coor to averde	Italisteries to mic		
		transported to the	collected in street	waste by door to door	succe one are		
vard		bins are	The solid waste	segregation of solid	ctreet hins are		
in the open dumping		COllector III succe	stations provided/	carried out source	collected in the		
collected are dumped	g facility	The solid waste	No transfer	The local body has	The solid waste	Pernambut	
The solid waste	No waste	and and works	dumping yard.				
			dumped in open		il desay.		
		No. of trucks	trucks and		micks		
		yard through o	disposed through		vard through		
		open dumping	bins are directly	collection in 18 wards	onen dumping		
yalu		transported to the	collected in street	waste by door to door	succet bins are		
i sta	provided:		The solid waste	correspon of solid			

					VIETURS		
		72			001100011000		
	TY ASIC	iorry-2,Fush care-			collection by		
	Wacte	Dumper placer	-		house to house	Municipality	
,	Municinal Solid	Truck Tipper-5,	Dumper bins-/8	No segregation	36 Ward-21398	Arrakkonam	
Open dumping	No processing of	Taral Timer 2	1		help group		
		Auto-2,	-		worker& Self		
	-	Lutter-5, Mini			sanitary		
	AA TOIC	Tilty-1, Power			collection by	1	
	Maste Cons	Dumper placer	26		house to house	Municipality	
Open company	Municipal Solid	Tractor Trailer-2,	Dumper placers-	No segregation	21 Ward-8893	Melvisharam	
Open dumping	NT - Series of	Lorry-4,					
		lorry-1,Mini					
		Dumpper placer			worker		
	W asic	Tractor Trailer-1,	-		by sanitary	,	
	Waste	1 1pper Auto-5,	68		house collection	Municipality	
Chart and C	Minicipal Solid	Tipper iony-1,	Dumper placers-	No segregation	13071 house to	Arcot	
Open dumping	No processing of	1			help group		
			-		worker& self		
		24, Fusii Cait-32,			sanitary		
	YY 43(C	2, Incycle-		Municipal Solid Waste	collection by	,	
	Waste	Dumper pracers		segregated from the	house to house	Municipality	
Open dampare	Municipal Solid	Tractor Trailer-2,	Dumper-45	Plastic waste	8 Wards-7860	Walajapet	
Oren dinapino	NT	and Mini Lorry-1			0		
		6			help group		
		30, Tipper Autos-		***************************************	worker& self		
		1/,Fush Care			sanitary		
	W asic	2, Incycle-			collection by	,	
	Waste	Dumper placers			house to house	Municipality	
0	Minicipal Solid	Tractor Trailer-2,	Dumper-10	No segregation	10 Wards-11282	Ranipet	
Open damping	No properties of	3	dumping yard.			!	
			dumped in open				
		No. of trucks	trucks and		trucks.		
		yard through 2	disposed through		yard through		
		open dumping	bins are directly	collection in 4 wards	open dumping		
yard		transported to the	collected in street	waste by door to door	transferred to the		
III tile oben ammbere	provided.	_	The solid waste	segregation of solid	street bins are		

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 	id.	Thiruthangal House Holds Municipality Municipal Solid Pl Municipality Waste Padone regularly		Virudhunagar Rajapalayam In all 42 wards Or covering 44460 see House Holds Waste Collections is done regularly	VillupuramVillupuramYesYesTindivanamYesYesKallakurichiYesYes	worker& Self help group
In 3 Wards segregation of Solid Waste is done regularly	Metal 1.4 Plastic –waste 2mt Paper waste 3.6mt	Metal 0.4 Plasticwaste 0.7mt Paper waste 1.2mt	In 8 Wards segregation of Solid Waste is done regularly	Only 10 Wards segregation of Solid Waste is done regularly	es es	
In 32 Dumber Placer Bins	Plastic -waste	Plastic -waste	In 24 Dumber Placer Bins and in 20 (200lit) bins solid waste is stored	In 55 Dumber Placer Bins	Open dumping Open dumping	Open dumping
Daily unough Dumber Placer and Tipper Lorries Municipal	Mini lorry -2 Tractor -4 Dumper placer -3	Mini lorry -3 Tractor -1 Dumper placer -1	Dumber Placer and Tipper Lorries Municipal Solid Waste is being transported.	on		
	Dumping	Dumping			Composting Composting	Composting
	Danking	Dumping		1	Used as Manure Used as Manure	Used as Manure

	Arı Mı				Viru				
	Aruppukottai Municipality				Virudhunagar				
Waste Collections is done regularly	House Holds Municipal Solid	,	done regularly		House Holds Municipal Solid		done regularly		
	Plastic -waste		10gulari)	Waste is done	Solid	10.111			
	Plastic -waste					In 40 Dumber			
	5 Tipper Lorry-3	Dumping Dumping	Pushcart - 45	Tricycle - 30	Dumper placers -	Tractor -2	being transported.	Solid Waste is	
	,	Dumping							
		Dumping				1			

## Annexure IIIA

1415-128

## Landfill details provided by the Corporations

Name of the Corporatio n	Site Selectio n	Facilities at the site	Specification s for land filling	Pollution Prevention	Water Quality Monitorin g	Ambient Air Quality Monitorin g	Plantatio n at Landfill Site	Closure of Landfill Site and Post-care
Coimbatore	Site Selected	Corporation is generating 850 T/d of MSW. It is carrying out the following. Windrow Composting -757 TPD Vermi Composting -50TPD.	Land fill provided as per the specification.	Scientific closure of existing dump is made.	Being done	To be done	Green belt is being developed	Yet to be closed
Erode	1. Vendipa 2. Vairapal 3. Kasipala	layam layam	s of 28.87acres.	<b></b>				
Madurai	Site Selected	Approach Road and Weigh bridge provided	Vegetative layer provided	Storm Waste drains provided. Non- Permieable lining system provided.	Ground Water quality Monitored.	AAQ survey conducted	Vegetative Cover provided.	Maintaining the effectivenes s of final cover, and preventing run of from eroding.
Salem	Landfill facility in operatio n	Facility construction is in operation		1)Diversion of storm water drains 2)Provision for Managemen t of leach ate collection & treatment 3) Prevention	Piezometric wells are provided	Ambient Air Quality survey is being conducted	Green belt being developed at the facility	Closure of Landfill site and post care has been included in the solid waste management design
Tirunelveli Corporation		Road and lighting facility available		of run-off from landfill area. Green belt				details

## List of Landfill sites identified for Municipalities & Town Panchayats

District	Municipalities	Town Panchayats
Cuddalore	Chidambaram	Mangalampettai
	Virudhachalam	Pennadam
		Tittakudi
		Srimushnam
		Melpattampakkam
		Thorappadi
		Vadalur
		Kurinchipadi
		Lalpettai
		Kattumannarkoil
		Killai
		Parangipettai
		Bhuvanagiri
Vanahinuuam	Chengalpet	Thirupporur
Kanchipuram	1 -	Edaikazhinadu
	Maraimalai Nagar	Madambakkam
		Chitlapakkam
		Thiruneermalai
		Mamallapuram
		Uthiramerur
		Acharapakkam
		Karunkuzhi
Erode	Sathyamangalam	Ariyappampalayam
	P.Puliampatty	Bhavanisagar
	_	Chennimalai
		Jambai
		Kanjikoil
		Kasipalayam (G)
		Kolappalur
		Kuhalur
		Lakkampatti
		Nambiyur
		Olagadam
		, –
		P.Mettupalayam
		Pallapalayam
		Periyakodiveri
		Perundurai
		Pethampalayam
		Salangapalayam
		Vaniputhur
Pudukkottai	Pudukkottai	Illuppur
	Aranthangi	Arimalam
		Ponnamaravathy
		Karambakudi
		Keeranur
		Orathanadu
Thanjavur		
		Darasuram
		Thiruvaiyaru
		Cholapuram
}		Ammapettai
1	1	Perumagalur

Theni	Theni-Allinagaram	Andipatti
LICHI	Periyakulam	Vadugapatti
	Bodinaickanur	Thamaraikulam
	Cumbum	Thenkarai
	Chinnamanur	Palanichetty Patti
	Gudalur	Veerapandi
	Oudaiui	Uthamapalayam
		Ka.Puthu patti
		Combai
		Thevaram
		Kamaya Gounden Patti
		Hiveyvis
		Devathana patti
		Kenguvar Patti
		Odai Patti
		Kuchanur
		Hanumanthan Patti
		Pannai puram
	·	Mela Chokkanatha Puram
		Markkaiyan Kottai
		Bo.Meenatchi Puram
		Boothipuram
Tirunelveli		Achampudur
I II UHEI VEH		Alangulam
	<b>\</b>	Alwarkurichi
		Eruvadi
		Gopalasamudram
		Kalakad
		Kallidaikurichi
		Keezhapavoor
		Manimuthar
		Melacheval
		Melagaram
		Mukkudal
		Nanguneri
		Panagudi
		Panboli
1		Thirukurangudi
		Thiruvengadam
		Thisayanvilai
		Veeravanallur
Tieuppur	Udumalaipet	
Tiruppur	Vaniyambadi	
Vellore	Gudiyatham	
	Pernambut	
	\ <del>-</del>	
	Tirupathur Ambur	
	Jolarpet	

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Annexure IVA

List of Municipalities and Town Panchayats provided with treatment facilities

The second section of the second section of the second second section of the second section of the second s

S.		Composting		Vermi-Compost	ing
No	District	Municipalities	Town Panchayat	Municipalities	Town Panchayat
1.	Coimbatore	Pollachi		Valparai	
2.	Cuddalore	Cuddalore Chidambaram Virudhachalam Panruti Nellikuppam	Killai Parangipettai Lalpettai Kurinchipadi Vadalur Thorappadi Melpattampakkam Pennadam Mangalampettai Tittakudi Srimushnam Sethiyathope Kattumannarkoil Annamalai Nagar Bhuvanagiri		Killai Parangipettai Lalpettai Kurinchipadi Vadalur Thorappadi Melpattampakkam Pennadam
3.	Hosur	Hosur	Kadathur Pappireddipatti Harur Palacode Pennagaram Karimangalam Bargur Papparapatti Uthangarai Nagojanahalli Denkanikotta Marandahalli Kambainallur B. Mallapuram		
4.	Karur	Karur Kulithalai			
5.	Nagapatinam	Velankanni Thalainayar Tharangambadi		Tharangambadi	
6.	Namakkal (Partial)	Namakkal Tiruchengode Rasipuram Pallipalayam Komarapalayam	Alampalayam Mallasamudram Mohanur Namagiripe Padaveedu Paramathi Pandamangalam Pothanur Sendamangalam Velur Athanur Erumapatti Kallapanaickenpatti Pattanam		

			Pillanalur		
			Seerapalli		
			Venandur		
•			Venkari		
			R. Pudupatti		
		Needamangalam			
7.	Thiruvarur	Peralam			
v .	•	Koradacherry			
			Anjugramam		
			Arumanai		
			Asaripallam		
			Azhagiapandipuram		
			Boothapandy		
			Edaicode		
			Eraniel		
		1	Ezhuthesam		
		}	Ganapathipuram		!
	1		Kaliyakkavilai		
	1		Kallukootam		
			Kappiarai		
			Keezhkulam		
	ľ		Killiyur		Aloor
					Aralvoimozhy
			Kollancode		Attoor
			Kothanallur		Azhagappapuram
			Kumarapuram		Kadayal
			Manavalakurichi		Kanniyakumari
			Mandaikadu		Karungal
8.	Kanyakumari		Mulagumudu	•	Kottaram
a.	Kanyakuman		Mylady		
	İ		Nallur		Marungur
			h .		Puthalam
			Neyyoor		Thazhakudy
		ļ	Pacode		Thenthamaraikulam
			Palapallam		Villavoor
		Ĭ	Pazhugal		Ponmanai
			Puthukkadai		
			Reethapuram		
			Suchidrum	· ·	
			Thengampudur		
			Therror		
			Thiruvattar		
			Thiruvithamcodu		
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1			Unnamalaikadai		
			Valvatchagostam		
			Vellimalai		
j			Verkilambi		
			Vilukuri		
			Thingalnagar		
-	<del></del>		Kothagiri,		
	Ontin	Coonoor	Ketti		
9.	Ooty	Cooliooi	Devarshola		
			Anthiyur		
	n n	Sathuamangalam	Appakudal		
	0. Perundurai	Sathyamangalam	Athani		
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-			Karumandi Chellipalayam		
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			Muthukulatur	!	
11.	Sivagangai	Ramanathapuram Rameswaram Paramakudi Keelakarai	R.S. Mangalam		
			Kamuthi		
			Abiramam		
			Thondi		
			Sayalgudi		
			Mandapam		
12.	Tirunelveli		Veeravanallur		
14.	Hunciven		Chengam		
13.	Tiruvannamalai		Chetpet		
			Desur		
			Kalambur		
			Kannamangalam		
			Kilpennathur		
		]	Pernamallur		
			Polur		
			Pudupalayam		
			Vettavalam		
14.	. Vellore		Ammoor		
			Thiruvalam		
			Kaveripakkam		
			Thimiri		
			Villapakkam		
			Kalavai		
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			Pennathur		
			Sholinghur		
15.	Virudhunagar	Rajapalayam	W. Puthupatti,		
			Sundarapandiam,		
			mamsapuram, Seithur and		
			Watrap		
		Rajapalayam	Panapakkam Nemili Thokkolam Pennathur Sholinghur W. Puthupatti, Sundarapandiam, mamsapuram, Seithur and		