

IN THE HON'BLE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, AT NEW DELHI  
ORIGINAL APPLICATION No.606 OF 2018

IN THE MATTER OF:

In re: Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues.

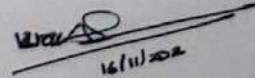
STATUS REPORT FILED BY THE CHIEF SECRETARY TO  
THE GOVERNMENT OF TAMIL NADU

I, V. Irai Anbu, S/o.Thiru.A.Venkatachalam aged about 59 years, presently working as Chief Secretary, Government of Tamil Nadu, do hereby solemnly affirm and sincerely state on oath as follows:-

I submit that I have been working as Chief Secretary, GOVERNMENT OF TAMIL NADU since May 2021 and in my official capacity and as verifiable from official records maintained with Government of Tamil Nadu, as also the information provided by various departments of Government of Tamil Nadu. I hereby file the status report before the Hon'ble National Green Tribunal (Principal Bench), New Delhi.

2. I respectfully submit that while hearing the O.A on 07.09.2022, the Hon'ble National Green Tribunal (Principal Bench), New Delhi has directed as follows:-

*"7. On due consideration, in the interest of protection of environment and to maintain consistency, we find it appropriate to issue notice to States/UTs of Kerala, Tamil Nadu, Lakshadweep, Puducherry, Andhra Pradesh and Chandigarh by email to respond to the issue why further directions on the pattern of order dated 01.09.2022 in the case of West Bengal may not be passed in respect of the said States/UTs also. They may appear by virtual mode or physically through counsel or any other representative and file their response, if any before the next date by email.*

  
16/11/2022

Chief Secretary  
Government of Tamil Nadu  
Chennai-600 009

*List for further consideration on 11.11.2022.*

*A copy of this order be forwarded to the Chief Secretaries of Kerala, Tamil Nadu, Lakshadweep, Puducherry, Andhra Pradesh and Chandigarh by email."*

3. I respectfully submit that based on the directions of this Hon'ble Tribunal, I ensured coordination with concerned departments of Government of Tamil Nadu and based on the information provided by such departments, I submit the present status report.

4. I respectfully submit that the Government of Tamil Nadu has taken several steps in right earnest to implement the directions of this Hon'ble Tribunal with respect to management of solid waste and liquid waste as listed out in the status report. Therefore, in the circumstances, I respectfully pray that this Hon'ble Tribunal may be pleased to accept the above submissions in the interest of justice and equity and not to pass orders akin to the Orders passed in the matter in the case of State of West Bengal.

*Wra AP*  
 2/4  
 DEPONENT  
 Chief Secretary  
 Government of Tamil Nadu  
 Chennai-600 009

**VERIFICATION**

I, the above-named Deponent do hereby verify that all the facts stated in the status report are true to my knowledge and that no part thereof is false and nothing material is concealed therefrom.

Verified at \_\_\_\_\_ on  
 \_\_\_ day of \_\_\_\_\_ 2022

*Wra AP*  
 3/4  
 DEPONENT  
 CHIEF SECRETARY  
 GOVERNMENT OF TAMIL NADU

**Status report on Compliance of Solid Waste Management Rules, 2016 including Legacy Waste and Liquid Waste Management**

The State of Tamil Nadu is one of the most urbanized State in India. According to the 2011 Census, Tamil Nadu's urban population is 48.45% as furnished below:

Total Population in Tamil Nadu	Urban Population			Total Urban Population	Percentage
	21 Corporations	138 Municipalities	490 Town Panchayats		
8,08,85,600	1,72,70,010	83,24,223	76,55,586	3,32,49,819	48.45

In Tamil Nadu, Municipal Administration and Water Supply Department has the administrative control over Greater Chennai Corporation, Directorate of Municipal Administration which deals with other Corporations and Municipalities and Commissionerate of Town Panchayats.

The Swachh Bharat Mission Urban 2.0 (SBM 2.0) has been launched on 01.10.2021 with a vision of achieving 'Garbage free' status for all cities. In order to achieve the said vision, The Government of Tamil Nadu focusing on the four components namely sustainable solid waste management; sustainable sanitation and treatment of used water; awareness creation along with large scale citizen outreach to create "Jan Andolan" and institutionalize 'Swachh' behavior; and create institutional capacity to effectively implement programmatic interventions to achieve mission objectives. For effective implementation of the said vision, the Government of Tamil Nadu in G.O.Ms.No.07, Municipal Administration & Water Supply Department, dated 11.01.2022 have constituted three important committees namely State High Powered Committee (SHPC) under the Chairmanship of Chief Secretary to Government of Tamil Nadu, State Level Technical Committee (SLTC) under the Chairmanship of Additional Chief Secretary to Government of Tamil Nadu, Municipal Administration and Water Supply Dept and District Level Committee (DLC) under the Chairpersonship of District Collectors. The said committees shall periodically meet for planning and reviewing the implementation of projects and to make capacity building of stake holders and activities connected herewith.

Several significant achievements have taken place in the State in the field of Solid Waste Management, Plastic Waste Management, Sewage Management and

reuse of treated used water so as to protect the environment in healthy manner as furnished below.

## STATUS OF SOLID WASTE MANAGEMENT IN TAMIL NADU

In 649 ULBs (21 Corporations, 138 Municipalities and 490 Town Panchayats), the total quantum of solid waste generation is 15,240 TPD as on October 2022 as detailed below:-

Total Waste Generation (TPD)	Wet waste (TPD)	Dry waste (TPD)	Inert and silt (TPD)
15,240	8,196	5,519	1,525

The status of Solid Waste Management in Tamil Nadu is as furnished below:-

Details	Jun-22	Oct-22
Quantity of waste generated ( TPD)	14,995	15,240
Quantity of Door to Door Collection (TPD)	14,396	14,788
Quantity of waste segregated at source (TPD)	12,147	12,954
Quantity of waste collected & Transported (TPD)	14,995	15,240
Quantity of waste processed (TPD)	9,310 (62%)	10,086 (66%)

### Steps taken by Government of Tamil Nadu

- The Government of Tamil Nadu have notified the **State Policy on Solid Waste Management** on 24.08.2018 and its provisions are also included in rules 35 (17) and 39 (15) of the Tamil Nadu Combined Development and Building Rules, 2019. In this connection, all ULBs have framed and notified the Bye law with provisions for user fee and spot fines. Further, ULB wise Solid Waste Management Policy and action plan have also been prepared. Gazette Notification has also been issued by all the ULBs.
- Tamil Nadu Pollution Control Board has issued authorization letter to 219 ULBs, which are generating more than 5 TPD of solid waste as per Solid Waste Management Rules 2016.
- Currently, the State has achieved 97% door to door collection, 85% source segregation and 100% of total waste is being collected. To achieve 100% collection and segregation, massive Information Education Communication (IEC) awareness campaign "**Peoples movement for clean cities**" has been launched on 03.06.2022. This campaign is being

conducted in all ULBs on every 2<sup>nd</sup> & 4<sup>th</sup> Saturday and on every 3<sup>rd</sup> Wednesday in schools and colleges. The main objective of the campaign is to make cities clean by bringing behavioral change among the people. Through IEC awareness campaign, the target of 100% Door to Door collection will be achieved before 31.12.2022 in the State.

### **Ban on Single use plastics**

The Government have issued orders in G.O (MS) No: 84, Environment and Forests (EC2) Department dated 25.06.2018, which prescribes that, no person including shopkeeper, vendor, wholesaler, retailer, trader, hawker or salesmen shall use, 'use and throwaway plastics' and it has been enforced from 01.01.2019.

### **Enforcement of Single Use Plastic Ban in the State**

The laws governing the Municipal Corporations, Municipalities and Town Panchayats have been amended by the Tamil Nadu Municipal Laws (Amendment) Act, 2019 (Tamil Nadu Act 12 of 2019) wherein the provision has been inserted for prevention of storage, supply, transport, sale and distribution of 'use and throw away plastics' and penalty for breach of such provision has also been provided upto the imposition of Rs.1 lakh. This welcome step taken by the Government of Tamil Nadu has proven to be a remarkable initiative towards reducing the plastic waste and protecting the environment in the long run. From 01.01.2019, till 31.10.2022, 1,353.80 MT of banned plastics has been seized and Rs. 6.94 crore fine has been collected. **(Annexure 1)**

### **Solid Waste Processing:**

Out of 15,240 TPD of total waste generation, 10,086 TPD is being processed.

**Wet waste:** Out of 8,196 TPD of wet waste, 6,188 TPD is being processed.

- 998 Micro Composting Centres have been setup and 3,589 TPD of wet waste is processed in these MCCs. Further, another 103 MCCs have been sanctioned to process 412 TPD of wet waste.
- In Greater Chennai Corporation, 2 nos. of Bio CNG plants with 100 TPD capacity each are operational. 5 Garden waste and tender coconut shell processing plants with 400 TPD capacity have been installed and presently 320 TPD of waste is processed in 4 plants. Further, 2 Windrow composting centres are in operation with processing capacity of 50 TPD each.

- 907 Onsite Composting Centres (OCCs) are operational in Corporations and Municipalities with a processing capacity of 350 TPD as waste to compost.
- 107 Biomethanation plants are operational to process 259 TPD of wet waste. Further, 1,370 TPD of waste is being processed in 516 Windrows and 27 Vermi Composting plants.
- From June 2016 to September 2022, 3,82,799 MT of compost has been generated in 649 ULBs and supplied at marginal cost or at free of cost to farmers or used in the parks and gardens maintained by ULBs.

Sl.No.	Available wet waste processing facilities	No. of functional plants	Processing Capacity (TPD)
1	Micro Composting Centres	998	3,589
2	Bio CNG plants	2	200
3	Garden waste and tender coconut shell processing plants	4	320
4	Onsite Composting Centres	907	350
5	Bio-methanation plants	107	259
6	Windrows and Vermi Composting centres	544	1,470
<b>Total</b>			<b>6,188</b>

**Dry Waste:** Out of 5,519 TPD of dry waste, 2,973 TPD is being processed.

- 439 nos. of Material Recovery Facilities/Resource Recovery Centres have been set up to process 1,890 TPD of dry waste. The Refuse Derived Fuel (RDF) from these centres is being sent to cement plants/ sugar mills/ power plants for usage as fuel.
- In the ULBs having land constraints, the Resource Recovery Centers (RRC) have been set up alongside the existing Micro Composting Centers (MCC).
- 1,083 TPD of saleable / recyclable waste is supplied to local recyclers for recycling and reuse.
- In Greater Chennai Corporation, 3 nos. of incinerators viz., 50 TPD capacity at Kodungaiyur, 10 TPD at Manali and 5 TPD capacity mobile incinerator at marina beach are operational.

Sl.No.	Available dry waste processing facility	No. of functional plants	Processing Capacity (TPD)
1	Material Recovery Facilities/Resource recovery centres	439	1,890
2	Disposed to local recyclers	649	1,083
<b>Total</b>			<b>2,973</b>

**Gap in Solid Waste Processing:**

Description	June 2022	October 2022
Total Waste Generation (TPD)	14,995	15,240
Waste processed (TPD)	9,310	10,086
<b>Gap in TPD</b>	<b>5,685</b>	<b>5,154</b>
<b>Wet waste</b>		
Generation (TPD)	8,084	8,196
Processed (TPD)	5,542	6,188
<b>Gap</b>	<b>2,542</b>	<b>2,008</b>
<b>Dry waste</b>		
Generation (TPD)	5,471	5,519
Processed (TPD)	2,890	2,973
<b>Gap</b>	<b>2,581</b>	<b>2,546</b>
<b>Inert</b>		
Generation (TPD)	1,440	1,525
Utilized (TPD)	880	925
<b>Gap</b>	<b>560</b>	<b>600</b>

**Steps taken to reduce Gap:**

**Gap in Wet waste: 2,008 TPD (Annexure 2)**

Sl.No.	Processing facility	Nos.	Capacity in TPD	Cost in Rs. cr	Source of Fund	Status of work
1	Bio CNG (GCC)	5	500	150.00	PPP* mode	Under construction
		2	1,000	180.00	SBM 2.0/PPP	Approved (Perungudi & Kodungaiyur)
2	MCC	80	350	40.50	SBM 2.0	<ul style="list-style-type: none"> <li>▪ 36 under construction</li> <li>▪ 44 approved by SHPC** under SBM 2.0</li> </ul>
3	Windrows composting	354	642	73.83	SBM 2.0	Approved by SHPC
4	Compost plant (GCC)	2	700	80.50	SBM 2.0	Approved by SHPC (Perungudi & Kodungaiyur)
<b>Total</b>			<b>3,192</b>	<b>524.83</b>		

\*-PPP – Public Private Partnership

\*\*-SHPC (State High Powered Committee) – This Committee is headed by Chief Secretary, Government of

Tamil Nadu to sanction the projects under SBM 2.0.

**Gap in Dry Waste: 2,546 TPD (Annexure 3)**

Sl.No.	Processing facility	Nos.	Capacity in TPD	Cost in Rs. cr	Source of Fund	Status of work
1	Material Recovery Facilities	392	2,174	169.22	SBM 2.0	Approved by SHPC
2	Material Recovery Facilities - Automatic(GCC)	2	1,000	180.00	SBM 2.0	(Perungudi & Kodungaiyur) Approved by SHPC
3	Waste to Energy	1	1,500	270.00	SBM 2.0/PPP	Kodungaiyur
<b>Total</b>		<b>395</b>	<b>4,674</b>	<b>619.22</b>		

**Gap in Inert Waste: 600 TPD**

Sl.No.	Processing facility	Nos.	Capacity in TPD	Cost in Rs. Cr	Source of Fund	Status of work
1	Scientific landfill	5	1,200	78.00	SBM 2.0	Approved by SHPC

**Legacy Waste Management:**

- No of Locations where legacy waste exist - 271\* nos.
- The estimated quantity of legacy waste - 207 lakh cu.m.
- Biomining works taken up - 269 locations (2 locations not feasible, at Colachal (Salt pan) and Kodaikanal (Hilly terrain)).
- 100% work completed in 91 locations, cleared 43.40 lakh Cu.m. of legacy waste and 445 acres of land has been reclaimed. (Annexure 4)
- In addition to above, 42.19 lakh cu.m of legacy waste has been cleared from 178 sites where the biomining work is in progress.
- Thus, total 85.59 lakh cu.m of legacy waste has been cleared. The balance legacy waste is 121.41 lakh cu.m for which biomining work is either in progress or has been approved.

Sl.No	No. of locations	Total quantity in lakh Cu.m.	Legacy waste cleared in lakh Cu.m.	Expenditure incurred in Rs. Cr	Balance legacy waste to be cleared in lakh cu.m	Balance amount available from sanctioned SBM fund in Rs. Cr	Progress in Percentage
1	91	43.40	43.40	299.50	-	-	100%
2	24	14.85	12.85	88.67	2.00	13.80	> 75%
3	14	6.33	4.07	28.08	2.26	15.60	50 to 75%
4	22	53.25	23.95	165.25	29.30	256.66	25 to 50%
5	117	25.17	1.32	9.11	23.85	164.56	0-25%
6	1(GCC)	64	-		64.00	616.32	Kodangaiyur – approved by SHPC under SBM 2.0
	269	207	85.59	590.57	121.41	1,066.94	

#### Good Models for Replication:

##### Erode Corporation:

- All wet waste generated in the town is converted into manure through 24 Micro Composting Centers and supplied to the farmers at free of cost.

##### Tiruvannamalai Municipality:

- About 250 kg of cloth waste is collected every month from tailoring shops and reused for making mats.

##### Kadayanallur Municipality:

- About 650 households are successfully practicing home composting.
- The manure generated at household level is used for gardening and also given to the neighbours at free of cost.

##### Chinnalapatti Town Panchayat:

- Cloth waste from garment factories is directly collected and processed to produce colorful and attractive door mats, bags, etc.

##### Andipatti Town Panchayat:

- The total waste generated in the Town Panchayat is about 7 TPD. The wet waste is being effectively processed through windrow composting.
- The manure generated is value added through vermi composting and generating 2 MT per month and sold at a cost Rs.8 per kg.

### Karunguzhi Town Panchayat:

- Citric fruits collected from different juice shops, are dried and powdered. This can be used for vessel washing detergent.
- Flower waste is collected from different places and dried. This can be powdered and sold for the purpose of making rangoli.

### Best Practices:

#### I. People Movement for clean cities - My Waste, My Responsibility ("என் குப்பை - என் பொறுப்பு") - Annexure 5

- To make the cities clean and to involve every citizen in journey towards garbage free cities, Peoples Movement for Clean Cities has been launched on mass scale in Urban Local Bodies.
- The campaign was launched at Chennai on 03.06.2022. Simultaneously, it was launched in all other ULBs.
- Special campaign to create awareness about cleanliness on 2nd and 4th Saturday of every month with the following objectives:-
  - Sensitize people about solid waste management and make them aware about their responsibility
  - Create awareness among the segregation of waste at source
  - Ensure non littering of public places
  - Quest for cleanliness among the citizens
  - Say No to Single Use Plastic (SUP)
- Further, on 3<sup>rd</sup> Wednesday of every month a special awareness campaign is conducted in schools and Colleges.
- Since the movement is launched, three thematic activities have been taken up i.e
  - Mass cleaning taken up in all public places;
  - Creating awareness at household level about source segregation, non-littering of public places and say no to Single Use Plastic; and
  - Awareness campaign in schools and colleges

#### II. Meendum Manjappai

On 23<sup>rd</sup> December 2021, the Government of Tamil Nadu have launched a novel campaign namely "Meendum Manjappai (again yellow bag)" to eradicate single

use plastic. The objective is “to fight plastic pollution and eliminate single use plastics, by promoting use of cloth bag through this campaign which encourages people to use the traditional yellow cloth bag.

The “Meendum Manjappai” campaign has been *launched with the logo of Manjappai*, so as to make awareness to use traditional cloth bag (manjappai) and made an appeal to the public to use cloth bags and to avoid single use plastics. It has played vital role with considerable growth in the usage of manjappai (Yellow bag)

#### **Meendum Manjappai Express**

- The another campaign namely “Manjappai Express Train” has been planned to launch this year. The train will run throughout the State for 45 days. The train will have on board & off board awareness programmes on the eradication of Single Use Plastic from the soil of the State of Tamil Nadu

#### **SEWAGE AND SEPTAGE MANAGEMENT IN TAMIL NADU**

- In terms of sewage and septage management, Tamil Nadu has accorded the highest priority to the implementation of underground sewerage schemes and waste water treatment plants across local bodies in order to provide better sanitation facilities.
- In the State of Tamil Nadu, there were 664 Urban Local Bodies (ULBs) now reorganized in 649 ULBs. The Government of Tamil Nadu has proposed to implement UGSS in all Municipal Corporation, AMRUT cities, District headquarters towns and some other towns of tourist and religious importance. The State has proposed to cover the remaining towns with Faecal sludge and Septage Management (FSSM) and appropriate grey water treatment facilities.

#### **Under Ground Sewerage Schemes (UGSS)**

58 ULBs have functional underground sewerage systems. In 22 ULBs UGSS are at various stages of implementation and in 17 Towns it is under DPR stage. For covering the remaining 552 ULBs, plan has been prepared for the implementation of onsite sanitation facilities including FSSM for treating black water and natural based decentralized treatment for grey water. The same has been included in City Sanitation Action Plan (Used Water Management (UWM)) and got approved from SHPC and

NARC (National Advisory and Review Committee set up under SMB 2.0. (**Annexure 6**))

### **Faecal Sludge and Septage Management (FSSM)**

- Indiscriminate disposal of faecal sludge and septage in open environment and water bodies poses a great danger to the environment. Therefore, it is imperative to regulate the operation and movement of the lorries, trailers or any other vehicles used for decanting of septic tanks and cesspools and transportation of faecal sludge and septage to ensure safe disposal of the faecal sludge and septage.
- The Government of Tamil Nadu have recognized the importance of Faecal Sludge and Septage Management (FSSM) as a viable method of sanitation for smaller cities and town and outgrowths in metropolitan cities. In pursuance of National Policy on Faecal Sludge and Septage Management, to provide complete full cycle of sanitation in the local bodies, a comprehensive programme has been formulated, for regulating periodic cleaning of septic tanks and transportation, treatment and disposal of faecal sludge and septage. For that purposes, the laws governing the Municipal Corporations, Municipalities, Town Panchayats and Chennai Metropolitan Water Supply and Sewerage have been amended by the Tamil Nadu Municipal Laws and the Chennai Metropolitan Water Supply and Sewerage (Amendment) Act, 2022 (Tamil Nadu Act 34 of 2022). For violation of such provisions severe penalty have also been provided therein.

### **Sewage Treatment Capacity and Gap**

#### **Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)**

The operational area of Chennai city is 426 Sq.km and the estimated Sewage Generation at present is 743 Million litres per day (MLD). CMWSSB is entrusted with collecting the sewage and is being treated at the existing 13 Sewage Treatment Plants with a total installed capacity of 745 MLD. Further, additional 168 MLD treatment capacity has been added since July 2022. Thus, the total treatment capacity available with CMWSSB is 913 MLD. In addition to above sewage treatment plants with a combined treatment capacity of 304 MLD are at various stages of implementation. The details of capacity addition, under construction STPs, utilization of treated sewage, recycle and revenue generated through reuse is enclosed in **Annexure 7**.

### **Directorate of Municipal Administration (DMA)**

20 Corporations (excluding Greater Chennai Corporation) and 138 Municipalities in Tamil Nadu are under the administrative control of Directorate of Municipal Administration and the estimated sewage generation at present is 1,698.73 MLD. The collected sewage is treated in the existing Sewage Treatment Plants with a total installed capacity of 994.31 MLD and an additional capacity of 234.76 MLD is under trail run. Thus 1,229.07 MLD sewage treatment capacity is available in the corporations and municipalities (other than GCC). The STPs capacity addition and utilization of treated sewage is enclosed in **Annexure 8**.

### **Commissionerate of Town Panchayats (CTP)**

There are 490 Town Panchayats in Tamil Nadu and the estimated sewage generation at present is 429.29 MLD. The collected sewage is treated at the existing 9 Sewage Treatment Plants and 5 faecal sludge treatment plants with a total installed capacity of 29.67 MLD. Further, the construction of STPs is under progress in two Town Panchayats with a total capacity of 12.5 MLD. The STPs capacity addition and utilization of treated sewage is enclosed in **Annexure 9**.

### **Directorate of Rural Development and Panchayat Raj (DRD&PR)**

There are 12,525 Village Panchayats in Tamil Nadu and the estimated grey water generation at present is 1,130 MLD. Majority quantity of grey water generated from rural households is absorbed in-situ through kitchen gardens and individual soak pits. About 954 MLD of grey water is being treated with the available infrastructures across 37 Districts. In order to fill the gap in treatment of 175 MLD of grey water, treatment units for a total capacity of 204 MLD have been proposed (**Annexure 13**)

### **Action taken for reducing the gap**

The implementing authorities namely Director of Municipal Administration, Commissioner of Town Panchayat and Commissioner of Rural Development and Panchayat Raj have taken various effective steps to reduce gap in treatment of sewage from July 2022 to October 2022 and the same has helped in reducing the gap considerably as detailed below:-

### Details of Sewage Management in Tamil Nadu

Category	Quantity of sewage generation (MLD)	Treatment capacity in (MLD) July 2022	Current treatment capacity (MLD) Oct 2022	Gap in treatment (MLD) July 2022	Current gap in treatment (MLD) Oct 2022	Utilization of treated sewage (MLD)		
						Agriculture/ Horticulture Purpose	Industrial purpose	Any other purpose
CMWSSB (Chennai)	743.00	745	912.80	Attained	-	-	71.00	8.00
DMA	1,698.73	994.31	1,229.07	704.42	469.66*	36.50	44.00	324.35
CTP	429.29	29.67	42.294	399.62	386.99**	6.82	-	-
DRD&PR	1130	750.56	954.88	379.44	175.12***			
<b>Total</b>	<b>4,001.02</b>	<b>2,519.54</b>	<b>3,139.04</b>	<b>1,483.48</b>	<b>1,031.77</b>	<b>43.32</b>	<b>115</b>	<b>332.35</b>

Further, 10 STPs with a total capacity of 234.04 MLD are complete and are under trail run. The work of effecting house service connections is in progress. In addition, 24 FSTPs with a total capacity of 0.72 MLD are operational. Hence, the current gap reduced from 704.42 MLD to 469.66 MLD in the areas of other Municipal Corporations and Municipalities

\*\* 2 STPs and 5 FSTPs for total 12.624 MLD are completed. Hence, the gap is reduced from 399.62 MLD to 386.996 MLD in Town Panchayats

\*\*\* Treatment units with a total capacity of 204.32 MLD are complete. Hence, the gap reduced from 379.44 MLD to 175.12 MLD (Annexure 10)

#### Steps taken to reduce gap:

#### Treatment Units under construction/proposed (Annexure 11) (Other Corporation and Municipalities)

Sl. No.	Category	Capacity of the plant (MLD)	Cost in Rs. Cr	Fund Source	Status
1	STPs (07 Locations)	120.31	205.42	AMRUT 2.0/ADB/IUDM/CRRT/HUDCO	Under construction
2	STPs (15 locations)	427.24	1,103.37	AMRUT 2.0/SBM 2.0/EAP	Included in the approved action plan of SBM 2.0/AMRUT 2.0
3	FSTPs (22 locations)	0.58	73.87	IUDM	Under construction
4	FSTPs (24 locations)	0.37	63.80	SBM 2.0/State fund	Included in the approved

Sl. No.	Category	Capacity of the plant (MLD)	Cost in Rs. Cr	Fund Source	Status
					action plan of SBM 2.0.
	<b>Total</b>	<b>548.5</b>	<b>1,446.46</b>		

**Treatment Units under construction/proposed – Town Panchayats (Annexure 12)**

Sl. No.	Category	Capacity of the plant (MLD)	Cost in Rs. Cr	Fund Source	Status
1	FSTPs (15 locations)	0.195	36.81	IUDM /SBM 2.0	Under Construction
2	FSTPs-315; Grey water treatment units-461	552.91*	1,003.00	SBM 2.0	Included in the approved action plan of SBM 2.0
3	Grey water treatment units along Polluted River Stretches (8 locations)	12.9	6.16	SBM 2.0	Under Construction
	<b>Total</b>	<b>566.00</b>	<b>1,045.97</b>		

\*The projects are approved by GOI under SBM (U) 2.0

**Treatment Units under construction/proposed – Directorate of Rural Development and Panchayat Raj (Annexure 13)**

Sl.No.	Category	Capacity (MLD)	Cost in Rs. Cr	Fund Source	Status
1	Individual Soak Pits (7,00,000 Nos)	105.00	840.00	MGNREGS	Included in the approved annual implementation plan
2	Community Soak Pits (1,00,000 Nos)	40.00	145.00	SBM (G) / 15 <sup>th</sup> FC / MGNREGS	
3	Vertical Filters (6,865 Nos)	34.33	96.80	SBM (G) / 15 <sup>th</sup> FC / MGNREGS	
4	Horizontal Filters (4,418 Nos)	22.09	67.15	SBM (G) / 15 <sup>th</sup> FC / MGNREGS	
5	Other Grey Water Management Facilities (45 Locations)	3.15	22.5	SBM (G) / 15 <sup>th</sup> FC	
	<b>Total</b>	<b>204.57</b>	<b>1,171.45</b>		

## Way Forward

### Solid Waste Management

In compliance of the orders passed by the Hon'ble Tribunal in OA No. 606/2018, the State Government is committed to address the processing gap fully by setting up required facilities. Necessary funds have also been earmarked for the purpose. The details are as follows:-

Sl.No.	Detail	Processing gap in Oct'22 in TPD	Committed processing capacity in TPD	Funds committed	
				Project cost in Rs. Cr	Source
1	Wet waste	2,008	500	150.00	PPP*
			2,692	374.83**	SBM 2.0 and PPP under SBM 2.0
2	Dry waste	2,546	4,674	619.22	SBM 2.0 and PPP under SBM 2.0
3	Inert	600	1,200	78.00	SBM 2.0
<b>Total</b>		<b>5,154</b>	<b>9,066</b>	<b>1,222.05</b>	

\*- 5 Bio-CNG plants are under construction in Greater Chennai Corporation under Public Private Partnership.

\*\* - This cost is approved under SBM 2.0, actual cost of construction is likely to be more.

### Legacy waste:

No. of locations	Quantity in lakh cu.m	100% Completed		In progress		Total legacy waste cleared so far in lakh cu.m	Balance quantity to be cleared cu.m	Funds committed	
		Locations	Qty in lakh cu.m	Locations	Cleared Qty in lakh cu.m			Cost in Rs. Cr	Source
269	207	91	43.40	178	42.19	85.59*	121.41	1,066.94	SBM 2.0

\*- 43.40 lakh cu.m is cleared from 91 locations where 100% work completed and 42.19 lakh cu.m is cleared from 178 locations where work is in progress.

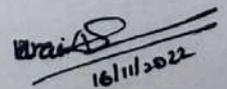
### Liquid waste Management

In compliance of the orders passed by the tribunal in OA No. 606/2018, the Government of Tamil Nadu have committed to reduce the gap in treatment capacity by setting up additional treatment units as follows:-

Sl. No	Category	Current gap in treatment capacity in MLD (Oct 2022)	Committed Treatment capacity in MLD	Funds Committed	
				Cost in Rs. Cr	Source
1	Chennai city-CMWSSB	Nil	304	536.19	AMRUT/TNIPP
2	Directorate of Municipal Administration	469.66	548.5	1,446.46*	SBM 2.0 /ADB / IUDM/ State fund
3	Commissionerate of Town Panchayat (CTP)	386.99	566.00	1,045.97**	SBM 2.0/IUDM
4	Directorate of Rural Development and Panchayat Raj (DRD&PR)	175.12	204.57	1,171.45	SBM (G)/15 <sup>th</sup> FC/ MGNREGS
<b>Total</b>		<b>1,031.77</b>	<b>1,623.07</b>	<b>4,200.07</b>	
*Cost of STP and FSTP under construction and proposed					
**Includes cost of 315 FSTPs and 461 grey water treatment units					

Thus the State has committed a sum of nearly Rs. 6,489.06 crore for creating additional solid waste processing capacity, clearing legacy waste through biomining and setting up Sewage Treatment Plants / Faecal Sludge Treatment Plants and grey water treatment units to bridge the gap. This includes the cost of ongoing as well as proposed facilities and also the cost of PPP components.

For this purpose, UGSS schemes are under implementation in 8 added areas of Greater Chennai Corporation and other 7 cities at a cost of Rs. 2,401.14 crore. The Government have also allocated an amount of Rs.6,529.51 crore for taking up the implementation of Under Ground Sewerage Schemes (UGSS) in left out areas of Chennai city, 11 Corporations and 3 Municipalities under AMRUT 2.0 / Externally Aided Projects (EAP). (Annexure 14).

  
16/11/2022

Chief Secretary  
Government of Tamil Nadu  
Chennai-600 009

4/4

## ABBREVIATIONS

15 <sup>th</sup> FC	15 <sup>th</sup> Finance Commission
ADB	Asian Development Bank
AMRUT	Atal Mission Rejuvenation and Urban Transformation
CMWSSB	Chennai Metropolitan Water Supply and Sewerage Board
CRRT	Chennai Rivers Restoration Trust
CTP	Commissionerate of Town Panchayats
DLC	District Level Committee
DMA	Directorate of Municipal Administration
DPR	Detailed Project Report
DRD & PR	Directorate of Rural Development and Panchayat Raj
EAP	Externally Aided Projects
FSSM	Faecal Sludge and Septage Management
FSTP	Faecal Sludge Treatment Plant
GCC	Greater Chennai Corporation
GoI	Government of India
HUDCO	Housing and Urban Development Corporation Ltd
IEC	Information Education Communication
IUDM	Integrated Urban Development Mission
MA&WS	Municipal Administration and Water Supply Department
MCC	Micro Composting Centres
MGNREGS	Mahatma Gandhi National Rural Employment Guarantee Scheme
MLD	Million Litres per Day
MRF	Material Recovery Facilities
MT	Metric Tonne
NARC	National Advisory and Review Committee
NGT	National Green Tribunal
OCCs	Onsite Composting Centres
RDF	Refuse Derived Fuel
RRC	Resource Recovery Centres
SBM G	Swachh Bharat Mission Grameen
SBM U 2.0	Swachh Bharat Mission Urban 2.0
SHPC	State High Powered Committee
SLTC	State Level Technical Committee
STP	Sewage Treatment Plant
SUP	Single Use Plastic
TNIPP	Tamil Nadu Investment Promotion Programme
TP	Town Panchayats
TPD	Tonnes Per Day
UGSS	Under Ground Sewerage Schemes
ULBs	Urban Local Bodies
UWM	Used Water Management

## Solid Waste Management in Tamil Nadu

### Summary of Status (15.11.2022)

<b>A: <u>Solid Waste Management – July Order 21.7.2022</u></b>					
Quantity of waste generation in the State (in TPD)	Waste Processed (in TPD)	Gap in generation and Processing (in TPD)	Quantity of waste being disposed in landfills (in TPD)	No. of Legacy waste dump sites	No. of sites covered through Biomining and correspondingly Area recovered
14,995	9,310	5,685	5,685	271	Estimated legacy waste: 207 lakh cubic meter Bio-mining taken in 269 locations Bio-mining completed: 69 locations. Till date cleared, 32 lakh cubic meter and 360 acres reclaimed.

Estimated amount of compensation - As per the Order to the State of WB, dated: 1.9.2022

S.no	Description	Gap in processing in MT	Compensation amount @ Rs./MT	Total compensation Rs.in crore
1	Solid Waste	5,685	1.0 lakh	56.84
2	Legacy Waste	140 lakh	300	420.00
<b>Total</b>				<b>476.84</b>

<b>A: <u>Solid Waste Management – October 2022</u></b>					
Quantity of waste generation in the State (in TPD)	Waste Processed (in TPD)	Gap in generation and Processing (in TPD)	Quantity of waste being disposed in landfills (in TPD)	No. of Legacy waste dump sites	No. of sites covered through Biomining and correspondingly Area recovered
15,240	10,086	5,154	5,154	271	<ul style="list-style-type: none"> <li>• Estimated legacy waste: 207 lakh cubic meter</li> <li>• Bio-mining taken in 269 locations</li> <li>• Bio-mining completed 100%: 91 locations (cleared- 43.40 lakh cum).</li> <li>• 42.19 lakh cum is cleared from 178 locations where the work is in progress.</li> <li>• So far 445 acres reclaimed.</li> </ul>

#### Estimated amount of compensation

S.no	Description	Gap in processing in MT	Compensation amount @ Rs./MT	Total compensation Rs.in crore
1	Solid Waste	5,154	1.0 lakh	51.54
2	Legacy Waste	97.12 lakh	300	291.36
<b>Total</b>				<b>342.9</b>

**Way Forward:**

**Additional Solid Waste Processing Capacity and clearing Legacy Waste through Biomining**

Sl.No.	Detail	Processing gap in Oct'22 in TPD	Committed processing capacity in TPD	Funds committed	
				Project cost in Rs. Cr	Source*
1	Solid Waste	5,154	9,066	1,222.05	SBM 2.0 and PPP under SBM 2.0
2	Legacy waste	97.12 lakh	97.12 lakh	1,066.94	SBM 2.0
<b>Total</b>				<b>2,288.99</b>	

Thus the State has committed a sum of nearly Rs. 2,288.99 crore for creating additional solid waste processing capacity and clearing legacy waste through biomining.

\*. SBM 2.0 – Swachh Bharat Mission 2.0; PPP – Public Private Partnership

**Sewage and Septage Management in Tamil Nadu**

**Summary of Status (15.11.2022)**

<b>B): Sewage Management – July Order 21.7.2022</b>					
<b>Quantity of sewage generation in the State (in MLD)</b>	<b>Treatment capacity in MLD</b>	<b>Current Gap in treatment (MLD)</b>	<b>Utilization of treated sewage in</b>		
			<b>Agriculture/ Horticulture purpose</b>	<b>Industrial purpose</b>	<b>Any other purpose</b>
4,001.02	2,519.54	1,485	43.32	115	332.35
Gap in Treatment (July 2022) – 1485 MLD x 2 crore* - 2970 cr (rounded off to 3000 crs.) *. As per the Order to the State of West Bengal, dated 1.9.2022. – The amount of compensation is fixed at Rs. 2 Crore per MLD.					

<b>B): Sewage Management – October 2022</b>					
<b>Quantity of sewage generation in the State (in MLD)</b>	<b>Treatment capacity in MLD</b>	<b>Current Gap in treatment (MLD)</b>	<b>Utilization of treated sewage in</b>		
			<b>Agriculture/ Horticulture purpose</b>	<b>Industrial purpose</b>	<b>Any other purpose</b>
4,001.02	3,139.04*	1,031.77**	43.32	115	332.35
Gap in Treatment (Oct 2022) – 1031.77 MLD x 2 crore*** - 2063.54 cr * The increase in treatment capacity from July 2022 to October 2022 is 619.5 MLD. This includes, 167.8 MLD by CMWSSB (Over and above required capacity), 234.76 MLD by DMA, 12.624 MLD by CTP and 204.32 MLD by DRD&PR. ** This includes, 469.66 MLD in DMA, 386.99 MLD in CTP and 175.12 MLD in DRD&PR. ***As per the Order to the State of West Bengal, dated 1.9.2022. – The amount of compensation is fixed at Rs. 2 Crore per MLD.					

**Way Forward:**

**1. Setting up additional treatment units in increase treatment capacity (A)**

<b>Quantity of sewage generation in the State (MLD)</b>	<b>Treatment capacity in MLD</b>	<b>Current Gap in treatment (MLD)</b>	<b>Committed Treatment Capacity (MLD)</b>	<b>Funds Committed</b>	
				<b>Project Cost in Rs. Cr</b>	<b>Source</b>
4,001.02	3,139.04	1,031.77	1,623.07	4200.07	AMRUT/TNIPP/SBM 2.0 & (G)/IUDM/15 <sup>th</sup> FC*

\* AMRUT -Atal Mission Rejuvenation and Urban Transformation; TNIPP – Tamil Nadu Investment Promotion Programme; SBM 2.0 & (G) - Swachh Bharat Mission Urban 2.0 & Swachh Bharat Mission Grameen; IUDM - Integrated Urban Development Mission; 15<sup>th</sup> FC - 15th Finance

Commission; CMWSSB – Chennai Metropolitan Water Supply and Sewerage Board; DMA – Directorate of Municipal Administration; CTP – Commissionerate of Town Panchayats; DRD&PR – Directorate of Rural Development and Panchayat Raj

## **2. Infrastructure for Collection and Conveying to Treatment Plant (B)**

Under Ground Sewerage Schemes - **Rs 2,401.14 + 6,529.51 crore = 8930.65 crore**

Total Cost for Sewage and Septage Management =4,200.07(A)+ Rs.8,930.65 (B)=**Rs.13,130.72 crore**

**Thus, the State has committed a sum of nearly Rs. 13,130.72 crore for creating additional treatment units to increase treatment capacity and also to strengthen the UGSS for collection and conveying to the treatment units.**

**Plastic Waste Management initiatives in ULBs**

The G.O (MS) No:84 Environment and Forests (EC2) Department dated 25.06.18 ULBs, prescribes that, no person including shopkeeper, vendor, wholesaler, retailer, trader, hawker or salesmen shall use, ‘ use and throwaway plastics’ , which has been enforced from 01.01.2019.

- Based on the above G.O, notification for ban on ‘Single use plastics’ has been made in all ULBs.
- A system to complain about the presence or availability of SUP is available in all ULBs in the form of Swachhata app, Whatsapp number, toll free number and mail id.
- Intensive efforts are taken by all ULBs to conduct periodic inspections at places of wholesaler, distributors, shops, hotels and other market places.
- Plastic Seizures are done randomly and fine is also levied. In small shops and street shops sufficient awareness about harmful effects of plastics and the availability of alternate bio degradable materials is also sensitized.
- Around 1353.80MT of plastics were seized since 2019 and fine amount of Rs.693.84 lakhs being collected towards it.
- Awareness meetings with Resident welfare associations, Traders associations were also conducted.
- School and College students were sensitized about harmful effects of Plastics through Pledge and involved in different activities.
- Police department was also requested in checking the movement of SUP along the borders of ULBs with rural areas.
- A program namely ‘People’s Movement for clean cities’ was launched in Tamil Nadu on 3<sup>rd</sup> June 2022 with a vision to transform the cities into garbage free cities.
- Alternate materials to plastics like cloth bags, paper etc are used by shopkeepers in many ULBs and wide spread awareness is created to use cloth bags and Manjappai again.
- Mass cleaning activities were done to clean the water bodies (Storm water drains/canals/rivers etc) and plastic waste were recovered and sent to cement factories.
- Source segregation of garbage is the prime objective of the programme. Awareness is given to RWAs/NGOs, Volunteers from schools and colleges about source segregation. Later they are enrolled as volunteers and a registry of volunteers is created for future activities.
- RWAs, Trader associations and volunteers from School and College are taken to processing and Resource Recovery Centre to sensitize about the procedure involved in processing and disposing the plastic waste.
- Children are encouraged to take up waste to wealth activities by converting plastic into toys, pen-stands, flower vases and other reusable materials.

- In many places volunteers from school colleges are involved in door to door awareness campaigns in source segregation and explaining the ill effects of plastics.
- Exhibitions for alternate materials and plastics were conducted in all ULBs to promote the use of biodegradable materials in the place of plastics.
- In many places startups who manufacture alternate packing materials are encouraged through Swachhata startup challenge.

Wastes which are dumped over the years have been categorized as Legacy Waste and are scientifically processed through biomining and disposed. The plastic materials recovered through biomining are sent to cement factories for combustion. The cleared sites are planted with trees and converted to urban forestry through the funds from 15<sup>th</sup> Finance Commission.

### **Enforcement of Single Use Plastic Ban in the State**

The laws governing the Municipal Corporations, Municipalities and Town Panchayats have been amended by the Tamil Nadu Municipal Laws (Amendment) Act, 2019 (Tamil Nadu Act 12 of 2019) wherein the provision has been inserted for prevention of storage, supply, transport, sale and distribution of ‘use and throw away plastics’ and penalty for breach of such provision has also been provided upto the imposition of Rs.1 lakh. This welcome step taken by the Government of Tamil Nadu has proven to be a remarkable initiative towards reducing the plastic waste and protecting the environment in the long run. From 01.01.2019, till 31.10.2022, 1,353.80 MT of banned plastics has been seized and Rs. 6.94 crore fine has been collected

### **Quantity of Plastic Seizure and Fine Collection**

<b>Sl.No.</b>	<b>Name of the Regions / Corporations</b>	<b>No.of IEC Activities Conducted (Nos.)</b>	<b>No. of Raids Conducted (Nos.)</b>	<b>Quantity of Banned Plastic Seizure in (MT)</b>	<b>Fine Collected (Rs. In Lakhs)</b>
<b>Corporations</b>					
1	Madurai	1701	7273	26.299	55.270
2	Coimbatore	3443	4961	26.388	43.459
3	Salem	7255	4323	43.424	55.890
4	Tiruchirappalli	1729	901	26.691	31.294
5	Tirunelveli	789	17976	6.768	23.440
6	Tiruppur	2097	20883	58.910	14.588
7	Erode	1151	1455	7.120	11.270
8	Vellore	2176	2456	94.992	14.867
9	Thoothukudi	3875	8270	14.428	11.324
10	Dindigul	676	553	35.425	10.935
11	Thanjavur	1641	5716	90.412	9.842
12	Nagercoil	403	4950	7.823	16.318
13	Hosur	942	1283	8.305	20.720
14	Avadi	1579	1727	25.776	10.071
15	Karur	526	511	5.710	8.976
16	Cuddalore	356	499	15.895	2.832
17	Kancheepuram	765	712	26.908	15.958
18	Tambaram (10 ULBs)	1359	2334	67.527	20.755

Sl.No.	Name of the Regions / Corporations	No.of IEC Activities Conducted (Nos.)	No. of Raids Conducted (Nos.)	Quantity of Banned Plastic Seizure in (MT)	Fine Collected (Rs. In Lakhs)
19	Sivakasi	910	754	13.931	7.663
20	Kumbakonam	228	262	71.541	28.063
	<b>Total</b>	<b>33601</b>	<b>87799</b>	<b>674.272</b>	<b>413.534</b>
<b>Regions</b>					
1	Chengalpattu	4561	6321	132.493	38.387
2	Vellore	25165	20045	135.299	39.991
3	Salem	2189	5640	63.556	34.895
4	Tiruppur	4784	6989	36.363	44.564
5	Madurai	8357	8346	83.511	30.213
6	Thanjavur	4185	4310	173.004	55.243
7	Tirunelveli	8130	6379	55.362	37.102
	<b>Total</b>	<b>57371</b>	<b>58030</b>	<b>679.537</b>	<b>280.308</b>
	<b>Grand Total</b>	<b>90972</b>	<b>145829</b>	<b>1353.809</b>	<b>693.841</b>

### Status of Plastic Waste Management in ULBs

#### Tambaram Corporation

As per the High Court Order, W.P.No. 34065 of 2018 & Rev.A.89 of 2019 which instructed to strictly enforce the ‘ban on single use of plastics, the following actions has been taken:

- Five task forces for five zones headed by Sanitary Officers were formed



- 67.52MT of single use plastics (SUP) were seized from bakeries, flower vendors, street food vendors, wholesalers, etc and fine amount of Rs.20.75 lakhs was collected.



## Tambaram - Plastic raids in wholesale shops

During the seizure shopkeepers and street vendors were explained about the harmful effects of Single use plastics to the environment.



PALLAVAPURAM MUNICIPALITY / பல்லைபுறம் நகராட்சி		SERVICE REQUEST RECEIPT	
Request No.	88761/2021-22/000363	Request Date	18-Mar-2022 12:56:17 PM
Requester Name	NAME IS	Requester Address	
Requester No.	3 SANITARY INSPECTOR	Requester Phone No.	984124973
Requester Email	TAMBARAM CITY MUNICIPAL CORPORATION, PALLAVAPURAM - CHENNAI	Requester PIN Code	600044
S. No. /	Item Description	Payment Mode: Cash	Amount / ரூபாய்
1	Penalty - Plastic items		₹200.00
D043642			Total / மொத்தம்
Remarks:		Payment Details	₹200.00 - Cash
CPE Counter /	₹200.00	Requester Name and Zip	
Requester Signature		Issued by	
		Requester Signature	

## Fine Book Receipt

- Awareness created in 39 schools and 5 colleges, around 600 NGO/RWAs and 65 elected representatives participated in the campaigns.



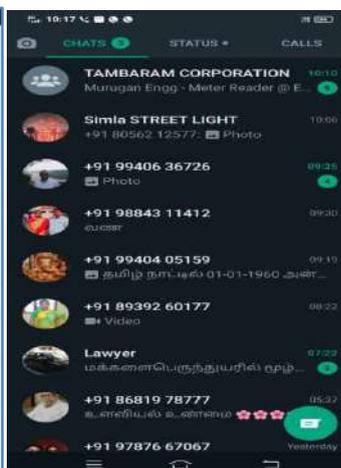
**Awareness created in schools, colleges, RWA/NGOs and in public places**



- Alternate use of materials instead of plastics (manjappai or cloth bags, paper, paakumattai, silver foil etc)



- Publicity created giving awareness on lodging complaints through
  - Swachhata app (by downloading from playstore)
  - Toll free no. 4254355
  - Whatsapp no. 8438353355
  - Website: commr.tambaram2014@gmail.com



**Waste to wealth activities by students**



**Tiruchirapalli Corporation**



**Sirkali Municipality**



**Tiruvarur Municipality**



**Guduvancheri Municipality**



**Thoothukudi Corporation**

## Awareness on Ban on SUP



Bodi Municipality



Thoothukudi Corporation



Trichy Corporation

**Distribution of IEC materials and pamphlets**



**Sivagangai Municipality**



**Tambaram Corporation**



**Thoothukudi Corporation**

**Plastic baled and sent to cement factories**



**Plastics sold by sanitary workers to vendors**



**Tiruchirapalli Corporation**

**Plastic seizure at commercial places**



## Periyakulam Municipality

### Alternatives for SUP – Devakottai Municipality



## Tambaram Corporation



## Tiruchirapalli Corporation

**Exhibition conducted for creating awareness on SUP**



**Salem Corporation Palani Municipality**

**Plastic buy back policy practised in schools**



**Vikramasingapuram Municipality**

**IEC activities - Cleaning of water bodies**

Before

After



**Kumbakonam Municipality**

## Annexure-2

## Wet waste (Micro Composting Centre) Approved by SHPC

SL.No.	Name of the ULB	Total waste Generation (In MT)	Wet waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
<b>Approved in 3<sup>rd</sup> SHPC</b>							
1	Tambaram	665	266	102	164	10	2
2	Chengalpattu	22	14	8	6	2	1
3	Nandivaram - Guduvancheri	28	16	5	11	5	1
4	Ponneri	12	7	0	7	3	1
5	Vadalur	16	9	0	9	5	1
6	Thirunindravur	17	7	0	7	5	1
7	Tittakudi	8	5	0	5	4	1
8	Ambur	40	22	11	11	6	2
9	Namakkal	51	30	20	10	10	2
10	Komarapalayam	25	14	5	9	3	1
11	Pallipalayam	14	8	5	3	3	1
12	Edaganasalai	8	4	2	2	2	1
13	Pallapatti	10	5	0	5	5	1
14	Tharamangalam	11	5	0	5	6	2
15	Pugalur	10	5	0	5	3	1
16	Udumalpet	21	13	9	4	4	1
17	Gobichettipalayam	20	13	11	2	2	1
18	Gudalur©	17	9	0	9	8	2
19	Karamadai	15	8	0	8	4	1
20	Kangeyam	15	9	6	3	3	1
21	Chinnamanur	14	9	5	4	4	2
22	Keelakarai	24	14	9	5	5	1
23	Koothanallur	9	5	4	1	2	1
24	Kollancode	17	10	4	6	7	2
25	Surandai	15	8	2	6	2	1
26	Tiruchendur	12	8	0	8	5	2
27	Kalakad	10	6	0	6	5	2
<b>Approved in 4<sup>th</sup> SHPC</b>							
28	Chengalpattu	22	14	11	3	3	1
29	Madurantakam	11	6	4	3	3	1
30	Thiruthani	17	9	6	4	4	1
31	Virudhachalam	27	15	12	3	3	1
32	Kundrathur	25	14	6	8	8	2
33	Mangadu	22	12	4	8	8	2

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Wet waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
34	Thiruninravur	17	7	5	3	3	1
35	Vadalur	16	9	0	9	9	2
36	Karamadai	15	8	4	4	4	1
37	Karumathampatti	13	8	0	8	8	2
38	Madukkarai	11	6	4	3	3	1
39	Theni Allinagaram	40	20	16	5	5	1
40	Periyakulam	14	8	6	3	3	1
41	Manamadurai	13	8	0	8	8	2
42	Tiruvarur	23	14	13	3	3	1
43	Puliangudi	23	13	12	3	3	1
44	Surandai	15	8	4	4	4	1
45	Tiruchendur	12	8	5	3	3	1
46	Tirunelveli	242	145	85	60	50	1
47	Erode	278	106	85	20	20	4
48	Thoothukudi	204	108	72	36	10	2
49	Avadi	302	151	68	83	20	4
50	Tambaram	665	266	102	164	35	7
51	Kanchipuram	166	91	50	41	10	2
52	Sivakasi	68	37	33	4	4	1
<b>Total</b>						<b>350</b>	<b>80</b>

**Wet waste (Windrow Composting plant) Approved by SHPC**

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
1	Sriperumbudur	12	7	5	2	2	1
2	Uthiramerur	9	5	4	2	2	1
3	Acharapakkam	4	2	1	1	2	1
4	Edaikazhinadu	11	6	4	2	3	1
5	Karunguzhi	4	3	1	2	2	1
6	Thirupporur	6	4	2	1	2	1
7	Tirukalukundram	11	6	4	3	3	1
8	Arani	7	4	2	2	2	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
9	Gummidipoondi	7	4	1	3	3	1
10	Minjur	10	6	3	3	3	1
11	Naravarikuppam	9	5	1	4	4	1
12	Pallipet	3	2	1	1	2	1
13	Thirumazhisai	7	4	1	3	3	1
14	Uthukottai	5	3	2	1	2	1
15	Odugathur	3	2	1	1	1	1
16	Pallikonda	8	4	2	3	3	1
17	Thiruvalem	3	2	1	1	1	1
18	Ammoor	4	3	1	2	2	1
19	Kalavai	3	2	1	1	2	1
20	Kaveripakkam	5	3	1	2	2	1
21	Nemili	4	3	1	2	2	1
22	Panapakkam	4	2	2	0	1	1
23	Thakkolam	5	3	1	2	3	1
24	Thimiri	6	3	1	3	3	1
25	Vilapakkam	3	2	1	1	1	1
26	Alangayam	6	4	1	3	3	1
27	Natrampalli	4	2	1	1	2	1
28	Udayendiram	5	3	1	2	2	1
29	Chengam	11	7	5	2	3	1
30	Chetpet	7	4	2	2	3	1
31	Desur	3	2	1	1	1	1
32	Kalambur	5	3	1	2	2	1
33	Kannamangalam	2	1	1	1	2	1
34	Kilpennathur	5	3	2	1	2	1
35	Pernamallur	2	1	1	1	1	1
36	Polur	10	6	4	3	4	1
37	Pudupalayam	4	2	1	1	2	1
38	Vettavalam	6	3	1	3	3	1
39	Karimangalam	5	3	2	1	1	1
40	Marandahalli	5	3	2	1	2	1
41	Papparapatti	5	3	2	1	1	1
42	Bargur	6	4	3	1	1	1
43	Denkanikottai	10	6	3	3	3	1
44	Kaveripattinam	5	3	3	1	1	1
45	Uthangarai	7	4	3	2	2	1
46	Ayothiyapattinam	5	3	1	2	2	1
47	Ethapur	4	2	2	1	1	1
48	Jalakandapuram	6	4	2	2	3	1
49	Kadayampatti	5	3	3	0	1	1
50	Kannakuruchi	9	5	5	1	1	1
51	Keeripatti	4	2	1	2	2	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
52	Kolathur	5	3	3	1	1	1
53	Konganapuram	4	2	1	1	1	1
54	Mecheri	11	7	5	2	2	1
55	Nangavalli	4	3	2	1	2	1
56	Omalur	7	4	4	0	1	1
57	P.N.Patti	10	6	3	3	4	1
58	Pethanaickenpalayam	6	4	3	1	1	1
59	Sankari	11	6	3	3	4	1
60	Thammampatti	8	5	2	3	4	1
61	Thevur	3	2	1	1	1	1
62	Vanavasi	3	2	2	0	1	1
63	Vazhapadi	8	5	2	3	4	1
64	Veeraganur	4	3	2	1	1	1
65	Athanur	3	2	2	1	1	1
66	Erumapatty	4	3	2	1	1	1
67	K.N.Patty	4	2	2	1	1	1
68	Mallasamudram	6	4	3	1	2	1
69	Mohanur	6	3	3	1	1	1
70	Namagiripettai	7	4	3	2	2	1
71	Padaveedu	4	2	2	1	1	1
72	Paramathy	4	3	2	1	1	1
73	Pattanam	3	2	2	0	1	1
74	Pillanallur	5	3	2	1	1	1
75	Pothanur	8	5	3	2	2	1
76	R.Pudupatty	3	2	1	1	1	1
77	Seerapalli	4	2	2	0	1	1
78	Sendamangalam	7	4	3	1	2	1
79	Velur	11	6	5	2	2	1
80	Vengarai	3	2	2	0	2	1
81	Vennandur	5	3	2	1	1	1
82	Appakudal	4	2	1	1	2	1
83	Arachalur	5	3	1	2	2	1
84	Avalpoondurai	5	3	1	2	2	1
85	Chennimalai	7	4	2	2	4	1
86	Elathur	3	2	1	1	1	1
87	Jambai	6	4	1	3	3	1
88	Kanjikovil	4	2	1	1	3	1
89	Karumandichellipalayam	10	6	2	4	4	1
90	Kilambadi	2	1	1	0	1	1
91	Kodumudi	5	3	1	2	2	1
92	Kolappalur	4	2	1	2	2	1
93	Kollankovil	3	2	1	1	1	1
94	Kugalur	4	2	1	1	2	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
95	Lakkampatti	5	3	1	2	3	1
96	Modakkurichi	4	2	1	1	2	1
97	Nambiyur	6	4	1	3	3	1
98	Nerinjipettai	3	2	1	1	1	1
99	Olagadam	3	2	1	1	1	1
100	P.Mettupalayam	3	2	1	1	1	1
101	Pallapalayam	3	2	1	1	1	1
102	Pasur	1	1	0	0	1	1
103	Periyakodiveri	7	4	1	3	3	1
104	Perundurai	12	7	3	4	4	1
105	Pethampalayam	3	2	1	1	1	1
106	Sivagiri	6	4	2	2	2	1
107	Vadugapatti	3	2	1	1	1	1
108	Vaniputhur	4	2	2	0	1	1
109	Vellottamparappu	3	2	1	1	1	1
110	Vengambur	3	2	1	1	1	1
111	Avinashi	13	7	2	5	6	1
112	Chinnakkampalayam	4	3	2	1	1	1
113	Dhali	2	1	1	0	1	1
114	Kolathuppalayam	6	4	2	2	2	1
115	Komaralingam	5	3	2	1	1	1
116	Madathukulam	7	4	3	1	2	1
117	Mulanur	6	3	1	2	3	1
118	Muthur	5	3	1	2	2	1
119	Rudravathi	3	2	1	1	1	1
120	Samalapuram	9	5	0	5	5	1
121	Sangaramanallur	4	2	1	1	1	1
122	Uthukuli	4	2	2	0	1	1
123	Alandurai	3	2	1	1	1	1
124	Anaimalai	7	4	2	2	2	1
125	Chettipalayam	5	3	1	2	2	1
126	Irugur	13	8	2	6	6	1
127	Kannampalayam	8	5	2	3	4	1
128	Kottur	10	6	2	4	4	1
129	Mopperipalayam	5	3	2	1	2	1
130	Odayakulam	5	3	2	2	2	1
131	Othakkalmandapam	5	3	2	1	1	1
132	Pallapalayam	6	4	1	2	3	1
133	Periyaneagamam	3	2	1	1	1	1
134	Periyanaicken-palayam	12	7	3	4	4	1
135	Perur	3	2	1	1	1	1
136	Pooluvapatti	5	3	1	2	2	1
137	Samathur	2	1	1	1	1	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
138	Sarkarsamakulam	5	3	2	1	1	1
139	Suleswaranpatti	9	5	0	5	5	1
140	Sulur	12	7	4	3	3	1
141	Thirumalayampalayam	5	3	2	1	1	1
142	Veerapandi	9	5	2	3	3	1
143	Vettaikaranpudur	7	4	2	2	2	1
144	Adigaratty	6	3	2	1	2	1
145	Bikkatty	2	1	0	1	2	1
146	Devarshola	10	6	4	2	3	1
147	Hulical	2	1	0	1	1	1
148	Jegathala	5	3	1	2	2	1
149	Ketti	9	5	2	4	4	1
150	KilKundah	3	2	1	1	1	1
151	Kotagiri	11	7	2	5	5	1
152	Naduvattam	3	2	1	1	2	1
153	Sholur	4	2	1	1	1	1
154	Killai	6	4	3	1	2	1
155	Arakandanallur	3	2	1	1	1	1
156	Gingee	13	8	4	4	4	1
157	Marakkanam	8	5	1	4	3	1
158	Valavanur	9	5	2	3	3	1
159	Chinnasalem	11	6	3	3	3	1
160	Sankarapuram	7	4	2	2	1	1
161	Thiyagadurgam	9	5	2	3	3	1
162	Vadakkanandal	9	5	2	3	3	1
163	Aduthurai	4	3	2	1	1	1
164	Ammapettai	5	3	1	2	2	1
165	Ayyampettai	6	3	2	1	2	1
166	Cholapuram	3	2	1	1	1	1
167	Madukkur	6	3	2	1	2	1
168	Melattur	3	2	1	1	1	1
169	Orathanadu	3	2	1	1	2	1
170	Papanasam	6	4	2	2	3	1
171	Peravurani	8	5	3	2	3	1
172	Perumagalur	2	1	1	0	1	1
173	Thirukattupalli	5	3	2	2	2	1
174	Thirunageswaram	6	3	2	1	2	1
175	Thiruppananthal	4	2	2	1	1	1
176	Thirupuvanam	5	3	1	2	2	1
177	Thiruvaiyaru	6	3	2	1	2	1
178	Thiruvidaimaruthur	5	3	1	2	3	1
179	Vallam	7	4	1	3	3	1
180	Veppathur	3	2	1	1	2	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
181	Nannilam	5	3	2	1	1	1
182	Kodavasal	5	3	2	1	1	1
183	Koradachery	2	1	1	0	1	1
184	Muthupettai	8	5	0	5	5	1
185	Thalanayar	5	3	2	1	1	1
186	Kilvelur	3	2	2	0	1	1
187	Velankanni	7	4	3	1	1	1
188	Tharangampadi	9	5	3	2	2	1
189	Kuthalam	6	4	2	2	2	1
190	Vaitheeswarankoil	3	2	1	1	1	1
191	Balakrishnanpatti	3	2	1	1	1	1
192	Kallakudi	4	2	1	1	2	1
193	Kattuputhur	4	2	1	1	2	1
194	Koothapar	4	2	1	1	2	1
195	Mannachanallur	11	7	2	5	5	1
196	Mettupalayam	3	2	1	1	1	1
197	Ponnampatti	5	3	1	2	3	1
198	Pullambadi	4	2	1	1	2	1
199	Puvalur	4	2	1	1	2	1
200	S.Kannanur	8	5	2	3	3	1
201	Sirugamani	4	2	1	2	2	1
202	Thathaiyangarpettai	5	3	2	2	2	1
203	Thottiam	6	3	2	1	1	1
204	Uppiliapuram	3	2	1	1	1	1
205	UdaiyarPalayam	5	3	1	2	2	1
206	Varatharajanpettai	3	2	1	1	2	1
207	Arumbavur	4	3	1	2	2	1
208	Kurumbalur	5	3	1	2	2	1
209	Labbaikudikadu	6	4	1	3	4	1
210	Poolambadi	4	2	2	1	2	1
211	Alangudi	5	3	1	2	2	1
212	Annavasal	4	2	1	1	1	1
213	Arimalam	4	2	1	1	2	1
214	Iluppur	5	3	2	1	1	1
215	Karambakudi	6	3	1	2	3	1
216	Keeramangalam	4	2	0	2	3	1
217	Keeranur	5	3	1	2	2	1
218	Agaram	6	4	3	1	1	1
219	Ayyalur	7	4	1	3	3	1
220	Ayyampalayam	4	3	1	2	2	1
221	Balasamudram	6	4	1	3	3	1
222	Batlagundu	10	6	4	2	2	1
223	Chinnalapatti	11	6	4	3	3	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
224	Eriodu	3	2	1	1	1	1
225	Kannivadi	4	2	2	0	1	1
226	Keeranur	3	2	1	1	1	1
227	Natham	10	6	2	4	4	1
228	Neikkarapatti	4	2	2	1	1	1
229	Nilakottai	10	6	3	3	3	1
230	Palayam	6	4	1	3	3	1
231	Pannaikkadu	4	2	1	2	2	1
232	Pattiveeranpatti	3	2	1	1	1	1
233	Sevugampatti	5	3	2	1	2	1
234	Sithayankottai	6	3	2	1	2	1
235	Sriramapuram	5	3	2	1	1	1
236	Thadicombu	8	5	3	2	2	1
237	Vadamadurai	7	4	1	3	3	1
238	Vedasandur	5	3	1	2	2	1
239	Krishnarayapuram	4	2	2	1	1	1
240	Puliyur	5	3	3	0	1	1
241	Uppidamangalam	4	3	2	1	1	1
242	Alanganallur	5	3	2	1	1	1
243	Elumalai	6	3	2	1	2	1
244	Palamedu	5	3	2	1	1	1
245	Paravai	8	5	4	1	1	1
246	Sholavandan	8	5	2	3	3	1
247	Chettiyarpatti	6	4	2	2	2	1
248	Kariyapatti	8	5	3	2	2	1
249	Mallankinaru	5	3	2	1	1	1
250	Mamsapuram	7	4	2	2	2	1
251	S.Kodikulam	5	3	0	3	3	1
252	Seithur	7	4	3	1	2	1
253	Sundarapandiam	3	2	1	1	1	1
254	W.Pudupatti	3	2	1	1	1	1
255	Watrap	6	4	2	2	2	1
256	Andipatti	12	7	3	5	5	1
257	Boothipuram	5	3	1	2	2	1
258	Devadanapatti	7	4	1	3	4	1
259	Ganguvarpatti	5	3	1	2	2	1
260	Hanumanthampatti	4	3	1	2	2	1
261	Kamayagoundanpatti	8	5	1	4	4	1
262	Kombai	7	4	1	3	4	1
263	Kuchanur	3	2	1	1	2	1
264	Markayankottai	2	1	1	0	1	1
265	Melachokkanathapuram	7	4	1	3	3	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
266	Odaipatti	5	3	1	2	2	1
267	Palani Chettipatti	7	4	2	2	3	1
268	Pannaipuram	4	3	1	2	2	1
269	Pudupatti	5	3	1	2	3	1
270	Thamaraikulam	6	3	1	2	3	1
271	Thenkarai	7	4	1	3	3	1
272	Thevaram	6	4	2	2	2	1
273	Uthamapalayam	14	8	3	5	6	1
274	Vadugapatti	7	4	1	3	3	1
275	Veerapandi	7	4	1	3	3	1
276	Kottaiyur	6	4	2	2	2	1
277	Kandanur	3	2	1	1	1	1
278	Puduvayal	4	3	2	1	1	1
279	Kanadukathan	2	1	1	1	1	1
280	Thirupuvanam	9	6	4	2	2	1
281	Tirupathur	9	5	4	1	2	1
282	Ilayangudi	8	5	3	2	2	1
283	Nerkuppai	3	2	1	1	1	1
284	Abiramam	3	2	1	1	1	1
285	Kamuthi	6	3	2	1	2	1
286	Mandapam	9	5	2	3	3	1
287	Mudukulathur	6	3	2	1	2	1
288	R.S.Mangalam	7	4	1	3	3	1
289	Sayalgudi	6	4	1	3	3	1
290	Thondi	8	4	2	2	3	1
291	Cheranmahadevi	7	4	2	2	2	1
292	Eruvadi	7	4	2	2	2	1
293	Gopalamudram	4	2	1	1	1	1
294	Kallidaikuruchi	9	5	3	2	3	1
295	Melaseval	3	2	1	1	1	1
296	Moolaikaraipatti	5	3	2	1	3	1
297	Nanguneri	2	1	1	1	1	1
298	Pathamadai	6	4	2	1	2	1
299	Sankarnagar	3	2	1	1	1	1
300	Thisaiyanvilai	10	6	3	2	4	1
301	Vadakkuvalliyoor	12	7	4	3	3	1
302	Veeravanallur	7	4	2	2	2	1
303	Ayikudy	6	3	3	0	1	1
304	Courtallam	8	5	1	4	4	1
305	Ilanji	4	2	2	0	1	1
306	Keelapavoor	9	5	3	2	2	1
307	Melagaram	6	3	3	0	1	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
308	Panpoli	4	2	2	1	1	1
309	Pudur(S)	5	3	2	1	2	1
310	Rayagiri	4	2	2	0	1	1
311	Sivagiri	8	5	3	2	2	1
312	Sunderapandiapuram	3	2	2	1	1	1
313	Thiruvencadam	3	2	2	0	1	1
314	Vasudevanallur	8	4	3	1	2	1
315	Arumuganeri	10	6	1	5	5	1
316	Ettayapuram	5	3	2	1	1	1
317	Kalugumalai	5	3	2	2	1	1
318	Kanam	1	1	1	0	1	1
319	Kayathar	4	2	1	1	1	1
320	Nazerath	6	3	1	2	2	1
321	Pudur(V)	3	2	2	0	1	1
322	Udangudi	6	4	2	2	1	1
323	Vilathikulam	6	4	3	1	1	1
324	Agasteeswaram	4	2	2	1	1	1
325	Alagappapuram	4	2	2	1	1	1
326	Anjugramam	4	3	2	1	1	1
327	Aralvaimozhi	10	6	4	2	2	1
328	Arumanai	6	3	3	1	1	1
329	Azhagiapandipuram	4	2	2	0	1	1
330	Boothapandy	6	3	3	1	1	1
331	Edaicode	12	7	4	3	3	1
332	Kadayal	7	4	3	1	2	1
333	Kaliyakkavilai	8	5	3	2	2	1
334	Kanniyakumari	10	6	4	2	2	1
335	Karungal	6	3	3	1	1	1
336	Kottaram	4	2	2	0	1	1
337	Kumarapuram	5	3	2	1	1	1
338	Manavalakurichy	5	3	2	1	1	1
339	Marungoor	4	2	2	0	1	1
340	Mylaudy	4	2	2	1	1	1
341	Nalloor	7	4	3	1	2	1
342	Ponmanai	6	4	3	1	2	1
343	Puthalam	7	4	2	2	2	1
344	Puthukadai	4	2	2	1	1	1
345	Reethapuram	12	7	4	4	4	1
346	Suchindrum	6	3	2	1	2	1
347	Thazhakudy	3	2	1	1	1	1
348	Theroor	3	2	1	1	1	1

Sl.No.	Name of the ULB	Total Wet Waste Generation (in MT)	Wet Waste (in MT)	Processing facilities available (in MT)	Gap (in MT)	Approved in SHPC (in MT)	No. Of Units
349	Thingalnager	6	3	3	1	1	1
350	Thiruparappu	9	5	0	5	5	1
351	Thiruvithancode	7	4	2	2	2	1
352	Valvachagostam	6	3	3	1	1	1
353	Verkilambi	7	4	2	2	2	1
354	Villukuri	6	3	3	1	1	1
	<b>Grand Total</b>					<b>642</b>	<b>354</b>

**Wet waste (Bio – CNG & Compost Plant) Approved by SHPC**

S.No	Name of the ULB	Total waste Generation (In MT)	Wet waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No of units
1	Chennai	5500	3025	1620	1405	1700	4

\*\* Bio-CNG Plant – Kodungaiyur (500 TPD) and Perungudi (500 TPD)

Compost Plant - Kodungaiyur (400 TPD) and Perungudi (300 TPD)

## Annexure-3

## Dry waste (Material Recovery Facility) Approved by SHPC

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
1	Coimbatore	1150	400	100	300	300	1
2	Madurai	860	413	213	200	200	1
3	Tiruchirappalli	572	200	20	180	200	4
4	Salem	577	184	140	44	50	1
5	Tambaram	664	285	100	185	200	1
6	Vellore	231	80	20	60	10	1
7	Tirunelveli	242	67	0	67	100	1
8	Erode	278	145	55	90	100	2
9	Avadi	302	121	10	111	20	2
10	Hosur	84	26	5	21	20	2
11	Thanjavur	131	39	0	39	50	1
12	Karur	118	38	31	7	10	1
13	Dindigul	107	43	10	33	30	3
14	Cuddalore	40	14	5	9	10	1
15	Kanchipuram	166	68	10	58	20	1
16	Thiruvannamalai	79	28	6	22	10	2
17	Villupuram	75	26	8	18	10	2
18	Kumbakonam	83	27	10	17	20	1
19	Sivakasi	68	25	0	25	30	3
20	Namakkal	51	16	8	8	10	2
21	Nagapattinam	34	10	0	10	10	2
22	Tiruchengode	37	12	5	7	10	2
23	Theni Allinagaram	40	16	4	12	5	1
24	Kadayanallur	34	13	3	10	10	2
25	Aruppukottai	28	9	4	5	5	1
26	Mayiladuthurai	30	10	4	6	5	1
27	Bodinayakanur	25	8	4	5	5	1
28	Srivilliputhur	24	10	0	10	10	2
29	Virudhachalam	27	10	5	5	5	1
30	Tindivanam	26	10	2	10	10	2
31	Virudhunager	25	9	0	9	5	1
32	Komarapalayam	25	8	3	5	5	1
33	Krishnagiri	24	11	2	10	10	2
34	Valparai	9	3	0	3	3	1
35	Tenkasi	25	10	2	10	10	2
36	Dharmapuri	25	10	0	10	10	3
37	Mannargudi	23	6	0	6	6	2
38	Puliangudi	23	8	0	8	10	2

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
39	Ramanathapuram	25	7	2	5	5	1
40	Kollancode	17	7	0	7	5	1
41	Chidambaram	20	7	5	3	3	1
42	Attur	17	6	3	3	3	1
43	Tiruvarur	23	10	5	5	5	1
44	Sankarankovil	22	7	4	5	5	1
45	Poonamallee	31	12	4	8	5	1
46	Tiruvallur	28	11	5	6	5	1
47	Mettur	18	6	3	3	3	1
48	Ranipet	18	5	4	3	3	1
49	Rasipuram	17	7	4	3	3	1
50	Perumbalur	19	9	4	5	5	1
51	Vickramasingapuram	15	5	0	5	5	1
52	Nellikuppam	16	6	2	4	5	1
53	Thiruthani	17	6	0	6	5	1
54	N.Guduvanchery	28	12	0	12	5	1
55	Chinnamanur	14	5	2	3	3	1
56	Kundrathur	25	9	1	8	5	1
57	Manaparai	14	6	2	4	5	1
58	Sivagangai	13	6	2	4	5	1
59	Vellakovil	16	5	3	2	3	1
60	Vadalur	16	5	1	4	5	1
61	Keelakarai	24	7	5	2	3	1
62	Thiruvathipuram	12	4	0	4	5	1
63	Thiruninravur	17	9	0	9	10	2
64	Ambasamudram	12	4	0	4	5	1
65	Surandai	14	5	0	5	5	1
66	Karamadai	15	5	2	3	5	1
67	Karumathampatti	13	4	0	4	5	1
68	Sirkali	12	5	1	4	5	1
69	Vedaranyam	13	6	1	5	5	1
70	Thuraiyur	16	6	0	6	10	2
71	Tiruchendur	12	4	0	4	5	1
72	Vandavasi	11	5	0	5	5	1
73	Ponneri	12	5	1	4	5	1
74	Madurantakam	11	4	2	2	3	1
75	Pallapatti	10	4	0	4	5	1
76	Sattur	11	4	0	4	5	1
77	Titakudi	8	3	0	3	5	1
78	Kuzhithurai	7	2	0	2	3	1
79	Mangadu	22	7	0	7	5	1

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
80	Uthiramerur	9	3	2	1	1	1
81	Walajabad	5	2	2	1	1	1
82	Acharapakkam	4	1	1	1	1	1
83	Karunguzhi	4	2	1	1	1	1
84	Mamallapuram	10	4	2	2	3	1
85	Thirupporur	6	3	1	2	2	1
86	Tirukalukundram	11	5	1	4	4	1
87	Arani	7	3	1	2	2	1
88	Gummidipoondi	7	3	1	2	2	1
89	Minjur	10	4	1	3	4	1
90	Naravarikuppam	9	4	0	4	4	1
91	Thirumazhisai	7	3	1	2	2	1
92	Uthukottai	5	2	1	1	1	1
93	Odugathur	3	1	1	0	1	1
94	Pallikonda	8	3	3	1	1	1
95	Thiruvalam	3	1	1	0	1	1
96	Ammoor	4	2	1	1	1	1
97	Kalavai	3	1	1	0	1	1
98	Kaveripakkam	5	2	1	1	1	1
99	Nemili	4	2	1	1	1	1
100	Panapakkam	4	2	1	1	1	1
101	Thakkolam	5	2	1	1	1	1
102	Thimiri	6	2	1	1	2	1
103	Alangayam	6	2	1	2	2	1
104	Natrampalli	4	2	1	1	1	1
105	Udayendiram	5	2	1	1	1	1
106	Chengam	11	4	3	1	2	1
107	Chetpet	7	3	1	2	2	1
108	Desur	3	1	1	0	1	1
109	Kalambur	5	2	1	1	1	1
110	Kannamangalam	2	1	1	0	1	1
111	Kilpennathur	5	2	1	1	2	1
112	Polur	10	4	3	1	2	1
113	Pudupalayam	4	2	1	1	1	1
114	Vettavalam	6	2	1	1	1	1
115	Harur	10	4	3	1	1	1
116	Pennagaram	7	3	1	2	2	1
117	Denkanikottai	10	4	2	2	2	1
118	Kaveripattinam	5	2	0	2	2	1
119	Nagojanahalli	4	1	0	1	2	1
120	Uthangarai	7	3	3	0	1	1
121	Attayampatti	5	2	0	2	2	1

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
122	Ayothiyapattinam	5	2	1	1	1	1
123	Ethapur	4	2	1	1	1	1
124	Gangavalli	5	2	2	0	1	1
125	Jalakandapuram	6	2	0	2	3	1
126	Kadayampatti	5	2	1	1	1	1
127	Keeripatti	4	2	0	2	2	1
128	Kolathur	5	2	1	1	1	1
129	Konganapuram	4	2	0	2	2	1
130	Mecheri	11	4	0	4	5	1
131	Omalar	7	3	0	3	3	1
132	P.N.Patti	10	4	0	4	4	1
133	Pethanaikenpalayam	6	2	0	2	3	1
134	Sankari	11	4	1	3	3	1
135	Thammampatti	8	3	0	3	3	1
136	Thedavur	3	1	0	1	2	1
137	Thevur	3	1	1	0	1	1
138	Vazhapadi	8	3	2	1	2	1
139	Veeraganur	4	2	0	2	2	1
140	K.N.Patty	4	1	1	1	1	1
141	Pattanam	3	1	1	1	1	1
142	R.Pudupatty	3	1	1	0	1	1
143	Anthiyur	8	3	1	3	3	1
144	Appakudal	4	2	1	1	1	1
145	Arachalur	5	2	0	2	2	1
146	Avalpoondurai	5	2	1	1	1	1
147	Chennimalai	7	3	2	1	2	1
148	Chithode	4	1	1	0	1	1
149	Elathur	3	1	1	1	1	1
150	Jambai	6	2	1	1	2	1
151	Kanjikovil	4	2	1	1	1	1
152	Karumandichellipalayam	10	4	1	3	3	1
153	Kodumudi	5	2	1	1	1	1
154	Lakkampatti	5	2	0	2	2	1
155	Nerinjipettai	3	1	0	1	1	1
156	Olagadam	3	1	0	1	2	1
157	Periyakodiveri	7	3	0	3	3	1
158	Perundurai	12	5	1	4	4	1
159	Pethampalayam	3	1	0	1	1	1
160	Sivagiri	6	2	0	2	3	1
161	Vadugapatti	3	1	0	1	2	1

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
162	Vaniputhur	4	2	1	1	1	1
163	Vengambur	3	1	0	1	1	1
164	Avinashi	13	5	1	5	5	1
165	Kolathuppalayam	6	2	1	1	2	1
166	Komaralingam	5	2	0	2	2	1
167	Mulanur	6	2	0	2	3	1
168	Muthur	5	2	0	2	2	1
169	Sangaramanallur	4	1	1	0	1	1
170	Uthukuli	4	2	1	1	1	1
171	Alandurai	3	1	0	1	1	1
172	Anaimalai	7	3	0	3	3	1
173	Chettipalayam	5	2	0	2	2	1
174	Irugur	13	5	0	5	5	1
175	Kannampalayam	8	3	0	3	3	1
176	Kottur	10	4	0	4	4	1
177	Mopperipalayam	5	2	0	2	2	1
178	Odayakulam	5	2	0	2	2	1
179	Othakkalmandapam	5	2	0	2	2	1
180	Pallapalayam	6	2	0	2	3	1
181	Periya negamam	3	1	0	1	1	1
182	Periyanaickenpalayam	12	5	0	5	5	1
183	Perur	3	1	0	1	1	1
184	Pooluvapatti	5	2	0	2	2	1
185	Samathur	2	1	0	1	1	1
186	Sarkarsamakulam	5	2	0	2	2	1
187	Suleswaranpatti	9	3	0	3	4	1
188	Sulur	12	5	0	5	5	1
189	Thirumalayampalayam	5	2	0	2	2	1
190	Veerapandi	9	3	0	3	3	1
191	Vettaikaranpudur	7	3	0	3	3	1
192	Adigaratty	6	2	2	1	1	1
193	Bikkatty	2	1	1	0	1	1
194	Devarshola	10	4	2	2	2	1
195	Jegathala	5	2	1	1	1	1
196	Ketti	9	4	2	2	2	1
197	Naduvattam	3	1	1	1	1	1
198	Sholur	4	1	1	0	1	1
199	Gingee	13	5	1	4	4	1
200	Marakkanam	8	3	1	2	2	1

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
201	Aduthurai	4	2	1	1	1	1
202	Ammapettai	5	2	1	1	1	1
203	Ayyampettai	6	2	2	0	1	1
204	Madukkur	6	2	1	1	2	1
205	Melathiruppanthru thi	3	1	1	1	1	1
206	Papanasam	6	2	1	1	2	1
207	Peravurani	8	3	1	2	2	1
208	Perumagalur	2	1	1	0	1	1
209	Thirukattupalli	5	2	1	1	1	1
210	Thirunageswaram	6	2	2	0	1	1
211	Thirupuvanam	5	2	1	1	1	1
212	Thiruvaiyaru	6	2	2	1	1	1
213	Thiruvidadaimaruth ur	5	2	1	2	2	1
214	Vallam	7	3	1	2	2	1
215	Veppathur	3	1	1	1	1	1
216	Nannilam	5	2	1	1	2	1
217	Kodavasal	5	2	1	2	2	1
218	Koradachery	2	1	1	0	1	1
219	Muthupettai	8	3	0	3	3	1
220	Valangaiman	4	2	1	1	1	1
221	Thalanayar	5	2	1	1	1	1
222	Kilvelur	3	1	1	0	1	1
223	Tharangampadi	9	3	2	2	2	1
224	Kuthalam	6	3	1	2	2	1
225	Manalmedu	3	1	1	0	1	1
226	Vaitheeswaran koil	3	1	1	0	1	1
227	Mannachanallur	11	4	2	3	3	1
228	Pullambadi	4	2	0	2	2	1
229	Puvalur	4	2	0	2	2	1
230	S.Kannanur	8	3	1	2	2	1
231	Sirugamani	4	2	1	1	1	1
232	Uppiliapuram	3	1	1	0	1	1
233	Udaiyar Palayam	5	2	1	1	2	1
234	Kurumbalur	5	2	1	1	2	1
235	Labbaikudikadu	6	2	2	1	1	1
236	Alangudi	5	2	1	1	1	1
237	Annavasal	4	1	1	0	1	1
238	Arimalam	4	2	1	1	1	1
239	Iluppur	5	2	0	2	2	1

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
240	Karambakudi	6	2	1	1	2	1
241	Keeramangalam	4	2	0	2	2	1
242	Keeranur	5	2	0	2	2	1
243	Agaram	6	2	2	1	1	1
244	Ammayanaickanur	8	3	2	1	1	1
245	Balagamudram	6	2	2	1	1	1
246	Batlagundu	10	4	3	1	1	1
247	Chinnalapatti	11	4	3	1	1	1
248	Eriodu	3	1	1	0	1	1
249	Kannivadi	4	2	1	1	1	1
250	Natham	10	4	3	1	1	1
251	Neikkarapatti	4	1	1	0	1	1
252	Nilakottai	10	3	3	1	1	1
253	Palayam	6	2	2	1	1	1
254	Pannaikkadu	4	1	1	0	1	1
255	Pattiveeranpatti	3	1	1	0	1	1
256	Sithayankottai	6	2	2	1	1	1
257	Sriramapuram	5	2	1	1	1	1
258	Vadamadurai	7	3	2	1	1	1
259	Vedasandur	5	2	2	0	1	1
260	Aravakurichi	6	2	2	1	1	1
261	Krishnarayapuram	4	2	1	1	1	1
262	Marudur	4	1	1	0	1	1
263	Nangavaram	7	3	2	1	1	1
264	P.J. Cholapuram	3	1	1	0	1	1
265	Puliyur	5	2	2	0	1	1
266	Punjaithottakurichi	4	2	1	1	1	1
267	Uppidamangalam	4	2	1	1	1	1
268	A.Vallalapatti	3	1	1	0	1	1
269	Alanganallur	5	2	1	1	2	1
270	Elumalai	6	2	1	1	2	1
271	Palamedu	5	2	1	1	2	1
272	Paravai	8	3	1	2	2	1
273	Peraiyur	4	2	1	1	1	1
274	Sholavandan	8	3	1	2	2	1
275	T.Kallupatti	5	2	1	1	1	1
276	Vadipatti	11	4	1	4	4	1
277	Chettiyarpatti	6	2	1	1	2	1
278	Kariyapatti	8	3	1	2	2	1
279	Mallankinaru	5	2	1	1	2	1

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
280	Mamsapuram	7	3	1	2	2	1
281	S.Kodikulam	5	2	0	2	2	1
282	Seithur	7	3	1	2	2	1
283	Sundarapandiam	3	1	0	1	1	1
284	W.Pudupatti	3	1	0	1	1	1
285	Watrap	6	2	0	2	2	1
286	Andipatti	12	5	0	5	5	1
287	Boothipuram	5	2	0	2	2	1
288	Devadanapatti	7	3	0	3	3	1
289	Ganguvarpatti	5	2	0	2	2	1
290	Hanumanthampatti	4	2	0	2	2	1
291	Highways	2	1	0	1	1	1
292	Kamayagoundanpatti	8	3	0	3	3	1
293	Kombai	7	3	0	3	3	1
294	Kuchanur	3	1	0	1	2	1
295	Markayankottai	2	1	0	1	1	1
296	Melachokkanathapuram	7	3	0	3	3	1
297	Odaipatti	5	2	0	2	2	1
298	Palani Chettipatti	7	3	0	3	3	1
299	Pannaipuram	4	2	0	2	2	1
300	Pudupatti	5	2	0	2	2	1
301	Thamaraikulam	6	2	0	2	2	1
302	Thenkarai	7	3	0	3	3	1
303	Thevaram	6	3	0	3	3	1
304	Uthamapalayam	14	6	0	6	6	1
305	Vadugapatti	7	3	0	3	3	1
306	Veerapandi	7	3	0	3	3	1
307	Kottaiyur	6	2	2	1	1	1
308	Kandanur	3	1	1	1	1	1
309	Puduvayal	4	2	1	1	1	1
310	Kanadukathan	2	1	1	0	1	1
311	Singampunari	6	2	2	0	1	1
312	Thirupuvanam	9	4	2	2	2	1
313	Tirupathur	9	4	2	2	2	1
314	Ilayangudi	8	3	2	1	1	1
315	Nerkuppai	3	1	1	1	1	1
316	Cheranmahadevi	7	3	2	1	2	1
317	Eruvadi	7	3	2	1	2	1
318	Gopalsamudram	4	2	1	1	1	1

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
319	Kallidaikuruchi	9	4	2	2	2	1
320	Manimuthar	4	2	1	1	1	1
321	Melaseval	3	1	1	0	1	1
322	Moolaikaraipatti	5	2	1	1	1	1
323	Nanguneri	2	1	1	0	1	1
324	Panagudi	12	5	3	2	2	1
325	Pathamadai	6	3	2	1	1	1
326	Thisaiyanvilai	10	4	2	2	2	1
327	Vadakkuvalliyoor	12	5	3	2	3	1
328	Veeravanallur	7	3	2	1	1	1
329	Alangulam	9	4	2	2	3	1
330	Alwarkuruchi	4	2	1	1	1	1
331	Ayikudy	6	2	2	0	1	1
332	Courtallam	8	3	1	3	3	1
333	Keelapavoor	9	3	2	1	2	1
334	Melagaram	6	2	2	0	1	1
335	Panpoli	4	1	1	0	1	1
336	Pudur(S)	5	2	1	1	1	1
337	Rayagiri	4	2	1	1	1	1
338	Sambavadakarai	6	3	2	1	1	1
339	Sivagiri	8	3	2	2	2	1
340	Sunderapandiapuram	3	1	1	0	1	1
341	Thiruvenkadam	3	1	1	1	1	1
342	Vasudevanallur	8	3	2	1	1	1
343	Alwarthirunagiri	3	1	1	0	1	1
344	Arumuganeri	10	4	1	3	3	1
345	Eral	3	1	1	0	1	1
346	Kadambur	2	1	1	0	1	1
347	Kalugumalai	5	2	1	1	1	1
348	Kanam	1	1	0	1	1	1
349	Kayathar	4	2	1	1	1	1
350	Nazerath	6	2	2	1	1	1
351	Perungulam	3	1	1	1	1	1
352	Sawyerpuram	4	2	1	1	1	1
353	Srivaikundam	6	3	2	1	1	1
354	Thenthiruperai	2	1	1	0	1	1
355	Udangudi	6	2	2	0	1	1
356	Vilathikulam	6	2	1	1	2	1
357	Agasteswaram	4	1	1	0	1	1
358	Alagappapuram	4	1	1	0	1	1
359	Anjugramam	4	2	1	1	1	1

Sl.No.	Name of the ULB	Total waste Generation (In MT)	Dry waste (In MT)	Processing facilities available (In MT)	Gap (In MT)	Approved in SHPC (In MT)	No. of units
360	Aralvaimozhi	10	4	3	1	1	1
361	Arumanai	6	2	2	1	1	1
362	Attoor	4	2	0	2	2	1
363	Azhagiapandipuram	4	2	1	1	1	1
364	Boothapandy	6	2	2	1	1	1
365	Edaicode	12	5	3	2	2	1
366	Kadayal	7	3	2	1	1	1
367	Kaliyakkavilai	8	3	2	2	2	1
368	Kanniyakumari	10	4	3	1	1	1
369	Karungal	6	3	2	1	1	1
370	Kottaram	4	2	1	1	1	1
371	Kumarapuram	5	2	2	0	1	1
372	Manavalakurichy	5	2	1	1	1	1
373	Marungoor	4	2	1	1	1	1
374	Mulagumoodu	7	3	2	1	1	1
375	Mylaudy	4	2	1	1	1	1
376	Nalloor	7	3	2	1	1	1
377	Palapallam	7	3	2	1	1	1
378	Ponmanai	6	3	2	1	1	1
379	Puthalam	7	3	2	1	2	1
380	Puthukadai	4	2	1	1	1	1
381	Reethapuram	12	5	2	3	3	1
382	Suchindrum	6	2	2	1	1	1
383	Thazhakudy	3	1	1	0	1	1
384	Theroor	3	1	1	1	1	1
385	Thingalnager	6	2	2	1	1	1
386	Thiruparappu	9	4	0	4	4	1
387	Thiruvithancode	7	3	2	1	1	1
388	Unamalaikadai	9	3	2	1	2	1
389	Valvachagostam	6	2	2	1	1	1
390	Verkilambi	7	3	1	2	2	1
391	Vilavoor	5	2	2	1	1	1
392	Villukuri	6	2	2	1	1	1
393	Chennai(3 Nos)	5500	1925	840	1085	2500	3
	<b>Total(395)</b>					<b>4674</b>	<b>421</b>

**Inert (Scientific Landfill) Approved by SHPC**

<b>Detail</b>	<b>Total waste Generation (In MT)</b>	<b>Inert (In MT)</b>	<b>Disposed (In MT)</b>	<b>Gap (In MT)</b>	<b>Approved in SHPC (In MT)</b>	<b>No. of units</b>
Scientific Landfill	15240	1525	925	600	1200	<b>5</b> (Chennai, Coimbatore, Madurai, Trichy, Tambaram)

**Biomining of Legacy Waste**

The urban local bodies have been practicing open dumping of unsegregated waste as their final disposal for many years and the existing dumpsites are filled up with legacy waste and started overflowing. The legacy waste piled in heaps results in leachate formation (liquid generated by airless waste) which in turn pollutes the groundwater, degrades the environment.

In accordance with the provisions of the Solid Waste Management Rules 2016 the Government of Tamil Nadu has taken up Bio-mining of the legacy waste accumulated in the Urban Local Bodies in order to protect the environment and also to reclaim the dump yard land.

**It was estimated that about 207 lakh cubic metre of legacy waste has been accumulated covering 914 acres of land in the existing dumpsites of 258 urban local bodies.**

Bio-mining of old and abandoned dump sites have been taken up in 269 locations (19 Corporations, 95 Municipalities and 121 Town Panchayats) to remove the 207 lakh Cu.m of legacy waste through bio remediation process under Swachh Bharat Mission and Smart City Mission.

Bio-mining has been completed in 91 locations and cleared 43.40 lakhs cu.m of legacy waste so far and 445 acres of land has been reclaimed. During 2022-23, it was sanctioned to create Green belt in biomining completed ULBs which covers 369 acres of reclaimed land. Bio-mining in 178 ULBs are in various stages of progress.

Centre for Environmental studies, Guindy Campus, Anna University Chennai has been engaged as a Third Party inspection agency by all the ULBs for guiding the technical aspects of Bio-mining works.

**Details of Completed biomining sites in Tamil Nadu**

<b>Sl.No.</b>	<b>Name of the ULB</b>	<b>Waste Quantity (Cu.m)</b>	<b>Quantity Remediated (Cu.m)</b>	<b>Area reclaimed in acres</b>
1	Gudiyatham (Ulli)	85945	85945	9.6
2	Tindivanam.	45085	44580	6.8
3	Rasipuram	41000	40550	1.5

<b>Sl.No.</b>	<b>Name of the ULB</b>	<b>Waste Quantity (Cu.m)</b>	<b>Quantity Remediated (Cu.m)</b>	<b>Area reclaimed in acres</b>
4	Nagapattinam(Nagur)	23213	23213	6.0
5	Erode(Vairapalayam)	532550	532550	3.3
6	Sivakasi	41000	41000	14.5
7	Sembakkam	31393	31393	4.5
8	Pammal	51483	51483	4.0
9	Pallavapuram	108000	108000	10.0
10	Tambaram	118000	118000	15.0
11	Anakaputhur	27000	27000	3.3
12	Chidambaram Site 1	52000	52000	4.0
13	Poonamallee	25500	25500	1.5
14	Viruthachalam	15600	15600	1.5
15	Tiruvallur	46000	46000	1.7
16	Arani	16650	16650	2.8
17	Ranipet	20680	20680	12.4
18	Jolarpet	13000	13000	1.3
19	Mettur	49823	49823	16.5
20	Idappadi	42570	42570	2.5
21	Tiruchengode	26574	26574	11.0
22	Dharmapuri	56294	56294	6.9
23	Karur	141731	141731	15.5
24	Pollachi	95700	95700	8.5
25	Udumalpet	33700	33700	6.0
26	Kangayam	22018	22018	1.9
27	Gobichettipalayam	40000	40000	1.9
28	Bhavani	33566	33566	3.0
29	Mettupalayam	32454	32454	8.0
30	Sathya Mangalam	21796	21796	6.8
31	Vellakoil	8752	8752	2.2
32	Bodinayakanur	22480	22480	3.0
33	Karaikudi	112000	112000	6.0
34	Kumbakonam	200000	200000	12.0
35	Perumbalur	48384	48384	5.8
36	Kovilpatti	23406	23406	3.8
37	Srivilliputhur	58000	58000	10.9
38	Arakkonam	54000	54000	10.5
39	Thirunindravur	5600	5600	1.5
40	Ulundurpettai	6167	6167	2.5
41	Keelakarai	11350	11350	7.5
42	Pallipalayam	40306	40306	1.2
43	Villupuram	53000	53000	5.4
44	Tiruchendur	8953	8953	2.0
45	Mayiladuthurai	32500	32500	2.0
46	Avadi	64174	64174	4.0

<b>Sl.No.</b>	<b>Name of the ULB</b>	<b>Waste Quantity (Cu.m)</b>	<b>Quantity Remediated (Cu.m)</b>	<b>Area reclaimed in acres</b>
47	Tiruchirappalli	7,58,560	758560	21.0
48	Kadayanallur	30050	30050	6.0
49	Vickramasingapuram	25000	25000	6.8
50	Vaniyambadi	32050	32050	5.5
51	Thuraiyur	30900	30900	6.2
52	Cumbum(Angurpalayam)	21246	21246	2.5
53	Cumbum(kumili Road)	46193	46193	4.5
54	Mathuranthagam	38600	38600	3.1
55	Dharapuram	42104	42104	4.2
56	Periyakulam(E Pudukottai)	11555	11555	3.1
57	Periyakulam(Vaigai Dam road)	23323	23323	5.0
58	Walajapet	20000	19954	3.7
59	Krishnagiri	61577	61577	5.1
60	Cuddalore(Pachankuppam)	25000	25000	2.0
61	Cuddalore(Kammiyampettai)	77000	77000	6.0
62	Sankarankovil	63000	62880	6.8
63	Tirumangalam	30000	30000	4.0
64	Kulithalai	51711	51711	8.8
65	Maraimalai Nagar	33200	33200	5.5
66	Anaimalai	7116	7116	1.00
67	Jalakandapuram	6036	6036	4.10
68	Denkanikottai	14855	14855	2.01
69	Kaveripattinam	10856	10856	1.00
70	Velur	4973	4973	1.70
71	Perundurai	14000	14000	4.48
72	Marakkanam	18186	18186	2.20
73	Velankkani	26082	26082	2.76
74	Manachanallur	16983	16983	5.73
75	Thenkarai	6549	6549	0.57
76	Uthamapalayam	6877	6877	0.40
77	Naravarikuppam	5208	5208	0.65
78	Gingee	13800	13800	0.95
79	Chinnalapatti	5964	5964	0.83
80	Madukkur	6506	6506	1.23
81	Kanniyakumari	12113	12113	1.08
82	KarumandiChellipalayam	16088	16088	3.50
83	Thirumazhisai	2265	2265	2.32
84	Thammampatty	5918	5918	1.82
85	Palamedu	1574	1574	0.28
86	Polur	16140	16140	9.50
87	Chinnalapatti	3511	3511	0.83
88	Alanganallur	3186	3186	0.96
89	Kaliyakkavilai	1535	1535	0.13

<b>Sl.No.</b>	<b>Name of the ULB</b>	<b>Waste Quantity (Cu.m)</b>	<b>Quantity Remediated (Cu.m)</b>	<b>Area reclaimed in acres</b>
90	Ammappettai	9993	9993	1.23
91	Sathankadu(GCC)	40853	40853	15
<b>Total</b>		<b>4337633</b>	<b>4336512</b>	<b>448.56</b>

## Biomining Snap Shots

Sembakkam- Before& After



Poonamallee - Before & After



Tenkarai TP – Before & After



**Vellakoil Municipality Before & After**



**Bodinayakanur Municipality Before & After**



***Bhavani Municipality Before & After***



***Erode corporations Before & After***

**Before**



**After**



**Chennai – Pallikaranai Before & After**



**Chennai – Perungudi - During biomining**



No. 1/3/2022-SBM-I (E No. 9122054)

Government of India  
Ministry of Housing & Urban Affairs  
SBM Division

Nirman Bhawan, New Delhi.

Dated 02-11-2022.

To,

The State Mission Director,  
Government of Tamil Nadu.  
Director of Municipal Administration,  
Chennai – 600028.  
E mail: [mawssec@tn.gov.in](mailto:mawssec@tn.gov.in)

Subject: Release of central share of funds under various components of SBM-U 2.0.

Sir,

With reference to your D.O. letter No.7497/MA2/2022-1 dated 06.05.2022 for release of Central share of funds under sanitation/toilets and Used Water Management (UWM) components of SBM (U) 2.0. This is to inform that the proposal of the State has been examined and approved by National Advisory and Review Committee (NARC). The details of the funds approved by Ministry are as under:

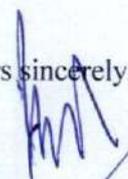
(Rs. in crores)

Components	Total Project cost indicated by State	Central Allocation	Indicative Cost approved by MoHUA	Central Share approved	Mobilization Advance Released	Central Share to be released after adjustment of Mob. advance
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(5) – (6)
Used Water Management (UWM)	3643.92	1999.70	1333.64	666.82	13.32	653.50
Sanitation-IHHL	504.56	112.50	234.096	31.21	0	31.21
CT/PT/Aspirational Toilets			266.535	105.77	0	105.77
<b>TOTAL</b>			1834.271	803.80	13.32	790.48

2. The proposals for above component have been examined by the Ministry and approved subject to fulfilment of the conditions prescribed in the SBM Urban 2.0 Guidelines at Para 5.1.6.1 (for IHHL component). Para 5.2.7.3 (for CT/PT/AT component) and Para 7.10.2.1 (for UWM component). The aforesaid projects are to be implemented in accordance with the detailed conditions mentioned in the Annex.

3. The costs worked out are indicative subject to actual tender costs with the Central share being limited to the already communicated allocation ceiling. The inter-se changes between the cities can be done by State Government. However, the principle of saturation of all ULBs must be followed. Based on actual Project Cost, the State Government can claim the balance of the allocated funds.

Yours sincerely,

  
(R. S. Jayal)  
Director (SBM)

Conditions to be satisfied for implementation of Projects approved under SBM-Urban 2.0

1. Out of the 664 ULBs in the State, 58 ULBs already have functional underground sewerage systems and in another 21 ULBs underground sewerage schemes (UGSS) are at planning stage including 17 ULBs, where STPs have been proposed in the revised used water action plan under SBM 2.0. The remaining 585 ULBs are proposed to be covered with FSTPs /appropriate used water management solutions as per site conditions, of these 46 ULBs (served by 25 FSTPs) have functional FSTPs and 31 FSTPs covering 75 ULBs are under implementation. The remaining 464 ULBs are proposed to be covered by 339 FSTPs / appropriate used water management solutions as per site conditions under SBM 2.0, either on cluster basis or on standalone basis.
2. The no. of cesspool tankers & other equipment has been reduced by the State Government from 670 equipment to 163 by considering once in three years cleaning frequency with average considered cost of Rs.30 Lakh for the proposed capacity. Now, the population considered is of septic tanks living in the fringe areas of the town and not for the entire population of the town. Though the nos. seems to be higher when compared to already available cesspool tankers as per the previous action plans of the State, the component is hereby approved.
3. With respect of the STPs for 17 ULBs, of which, 10 DPRs are stated to be ready with the State Government, the max. allowable central share under SBM-U 2.0 for these 17 ULBs have been estimated based on their proportion of 2011 population to that of the total population, as per 2011 census, of all 621 non-AMRUT towns in the State (i.e., 1,33,89,999) as provided by the State Government and by distributing the same proportion from the total Central allocation for the State under the Mission (i.e, Rs. 1,999.7 Cr). Accordingly, the max. allowable central share to these towns has been worked as under:
4. For 483 ULBs, 1780 no. of drains are proposed to be tapped through I&D and sewage to be treated at grey (sewage) treatment facilities. On an average, in each town 3.7 drains are proposed to be tapped and treated, which might not be feasible. It is advised in smaller towns below 20,000, only 1 to 2 main drains to be intercepted for treatment as others will be carrying too little sewage to be economically intercepted and treated. Similarly, for towns having 20,000 to 50,000 population, 2 to 3 drains and for towns having more than 50,000 population, 3-4 drains may only be intercepted and same number of STPs are even less (by combining flow of more than one drain at one place) may be constructed. Due diligence is required in action plan preparation considering ground level conditions like no. of main drains and feasibility to intercept and divert/set up STPs. Accordingly, before going for implementation on ground, DPRs for these towns may be prepared and got examined/approved from competent authority. This is necessary given the complexity involved in implementation and running of sewerage systems including STPs. Accordingly, no. of grey water (sewage) treatment units are permitted at average rate of 2.5 per town instead of 3.7 as proposed in the action plan. This results in estimated cost of 483 towns x 2.5 drains x 0.5 Cr = Rs. 603.75 crores.
5. In regard to FSTPs, it may be noted that, as per SBM-U 2.0 Guidelines, "construction of Sewage Treatment Plants (STPs)/ STP cum Fecal Sludge Treatment plants (FSTPs) for used water treatment", inter alia, is the eligible component for funding under the Mission. If State Government plans to collect and safely manage need-based faecal septage, in all smaller towns, till the grey water treatment facility is set up, it can be done in the premises of identified land for grey water (sewage) treatment facility by way of opting Deep Row Entrenchment (DRE)/simple constructing sludge drying beds etc. These are cost effective (a 10000 population town requires 3 KLD facility which is costing not more than 3 to 5 lakhs) and sufficient to safely manage faecal sludge on need-based de-sludging basis. In present proposal, stand-alone FSTPs are estimated ranging from 10 to 20 KLD on average for population ranging 10000 to 20000 and each FSTP is estimated to cost Rs.1.5 crore to Rs.3 crores. The same may be looked at and proper price discovery may be done with due preparation and tendering.

6. Keeping above points in view, the components wise tentative project cost is as under:

**CSAP- Used water management.**

Sl. No	Components	Unit	Total project cost	Central Share	Remarks
1	Cesspool tankers	163	₹ 70.50 Cr	₹ 35.25 Cr	Cesspool tankers- 82 nos. in 82 ULBs for desludging the septic tank. 81 cesspool tanker for 490 TPs.  Super sucker machines-28 nos. proposed in 28 ULBs (primarily larger ones) where Under Ground Sewerage System have been completed and put in to use, for O&M. This needs to be taken under AMRUT funds.
2	STPs	17	₹ 436.32 Cr	₹ 218.16 Cr	Cost Included only for terminal pumping station, pumping main (TPS to STP) and STP as proposed by the state is allowed.
3	I &D	256 ULB-502 km	₹ 223.07 Cr	₹ 111.53 Cr	Proposed as per the norms by state and allowed.
4	Used Water Management Units / Grey water treatment unit/FSTP	339 (in 464 ULBs)	₹ 603.75 Cr Approved against demand of ₹ 1209.75 Crores	₹ 301.87 Cr	On an average in each town 3.7 drains are proposed to be tapped and same number of STP to be setup. Since most of the towns are in 10,000-20,000 population Category, the proposal appears on the higher side and accordingly restricted to an average of 2.5 drain tapping and same number of STP per town. Faecal Sludge generated from these towns can be economically co-treated at the proposed STPs/ Grey water treatment units without any additional CAPEX and OPEX.  In small ULBs, Waste Stabilisation pond, constructed wetland, aerated lagoon, UASV, trickling filter, ASP etc can be adopted.  Wherever the State is proposing FSTP, arrangements for Composite used water (both grey and black) need be made. It is reiterated that STP/ STP-cum-FSTP is the long term solution to effectively treat used water along with faecal sludge.

**CSAP -Toilets :**

7. The proposal received for Construction of IHHL/CT/PT/Aspirational/Standalone Urinals has been examined and the cost arrived in accordance with the ULB population is given under. Further, the Central Share of funds being released under ODF component has been restricted upto the Mission allocation under SBM- (U) 2.0. i.e. ₹ 112.50 Crores.

S. No.	Component	No. of units/seats	Total Cost (in Rs. Crore)	Central Share Sought (in Rs. Crore)
1.	IHHL	78,032	234.096	(Rs. 4000 per seat) 31.21
<b>&gt; 10 Lakh Population ULBs (1 no.) (25% Central Share)</b>				
2.	CTs @ Rs. 1.5 Lakh per seat	310	4.65	1.16
3.	Aspirational PTs @ Rs. 2.5 Lakh per seat	2684	67.1	16.78
4.	Standalone Urinals	1185	3.79	0.95
<b>1 - 10 Lakh Population ULBs (13 nos.) (33% Central Share)</b>				
5.	CTs @ Rs. 1.5 Lakh per seat	1520	22.8	7.52
6.	PTs @ Rs. 1.5 Lakh per seat	306	4.59	1.51
7.	Aspirational PTs @ Rs. 2.5 Lakh per seat	784	19.6	6.47
8.	Standalone Urinals	1163	3.72	1.23
<b>&lt; 10 Lakh Population ULBs (100 nos.) (50 % Central Share)</b>				
9.	CTs @ Rs. 1.5 Lakh per seat	7056	105.84	52.92
10.	PTs @ Rs. 1.5 Lakh per seat	869	13.035	6.52
11.	Aspirational PTs @ Rs. 2.5 Lakh per seat	294	7.35	3.68
12.	Standalone Urinals	4393	14.06	7.03
Total			500.63	136.98

**Thiru.P.Ponniah, I.A.S.,**  
Director of Municipal  
Administration/  
Mission Director SBM (U)-2.0,  
75, Santhome High Road,  
MRC Nagar,  
Chennai-28.



Urban Administrative Building  
Complex, M. R. C. Nagar,  
Chennai 600 028

**D.O. No: 9192/2022/SBM 1**

**Dated:14.07.2022**

Respected Madam,

Sub: Swachh Bharat Mission (U) -2.0 - Tamil Nadu -  
Clarification on used water management for financial  
assistance - Regarding

Ref: 1. City Action Plan on sanitation for Used Water  
Management sent to Joint Secretary Letter  
No.140005/2022/SBM 2.0 dated :08.03.2022

2 D.O Letter No.7497/MA2/2022-1 dated 06.05.2022  
addressed to the Secretary, MoHUA.

3. D.O letter No.7497/MA2/2022-2, dated  
14.06.2022 addressed to the Joint Secretary, SBM,  
MoHUA.

4. D.O letter No.7497/MA2/2022-3, dated  
29.06.2022 addressed to the Joint Secretary, SBM,  
MoHUA.

\*\*\*\*\*

Kind attention is invited to the references cited.

2. With a view to have a better clarity on the proposal of the Mission Director, SBM 2.0, Government of Tamil Nadu, a VC meeting was conducted on 12.07.2022. During the deliberations, certain additional clarifications have been sought. In this regard, the following details are furnished for consideration of the proposal on Used Water Management of Tamil Nadu.

3. It was clarified that GoTN has already proposed to implement UGSS in all Municipal Corporations, AMRUT cities, District headquarters towns, and some other towns of tourist and religious important places.

4. There are 664 ULBs in the state of which 58 ULBs have functional underground sewerage systems and in 21 urban local bodies UGSS schemes are at planning stage including 17 ULBs, where STPs have been proposed in the revised used water action plan under SBM 2.0. The remaining 585 ULBs are proposed to FSTPs / appropriate used water management solutions as

per site conditions, of these 46 ULBs (served by 25 FSTPs) have functional FSTPs and 31 FSTPs covering 75 ULBs are under implementation. The remaining 464 ULBs are proposed to be covered by 339 FSTPs / appropriate used water management solutions as per site conditions under SBM 2.0, either on cluster basis or on standalone basis.

### I&D Infrastructure and STPs

- Apart from the towns where UGSS has been completed or ongoing, it is proposed to take up sewerage schemes in 17 other towns where UGSS is essential. In these 17 towns, STPs are proposed with the financial assistance of SBM 2.0 and collection system will be funded by the state through budgetary support or through external funding.
- Out of the 17 ULBs, in three towns namely Villupuram, Tindivanam and Anagaputhur the UGSS work is under implementation with fund tie-up from state funds. Three STPs have been planned one each in these three towns at an estimated cost of Rs.86.10 cr. under SBM 2.0 as given below.

Sl.No	Name of the ULB	Proposed STP	
		Capacity in MLD	Cost Rs. in cr.
1	Villupuram	4.56	12.65
2	Tindivanam	11.44	24.55
3	Anagaputhur (Tambaram)	27	48.9
<b>Sub Total-1</b>		<b>43</b>	<b>86.1</b>

- With respect to 7 ULBs listed below in the table, the UGSS is at planning stage. In these towns Main Pumping Station, Pumping Main and STPs have been proposed to be taken up under SBM 2.0. The balance works of UGSS i.e. collection network and other Pumping Stations and associated lines will be taken up under EAP/state funds.

S. No	Name of the ULB	Main Pumping Station		Pumping Main		Proposed STP		Cost under SBM 2.0 Rs.in Cr
		Nos	Cost in Rs.Cr	Length in km	Cost in Rs.Cr	Capacity in MLD	Cost in Rs.Cr.	
1	Krishnagiri	-	-	1	0.41	-	-	0.41
2	Dharmapuri	-	-	1.2	1.17	5.11	11.14	12.31
3	Mayiladuthurai	-	-	Existing PM & MPS is sufficient		9.37	21.18	21.18
4	Namakkal	1	2.33	8.43	6.15	11.12	23.45	31.93

S. No	Name of the ULB	Main Pumping Station		Pumping Main		Proposed STP		Cost under SBM 2.0 Rs.in Cr
		Nos	Cost in Rs.Cr	Length in km	Cost in Rs.Cr	Capacity in MLD	Cost in Rs.Cr.	
5	Maraimalainagar	1	4.9	21.45	13.75	15.07	28.57	47.22
6	Karur	1	1.24	3	8.87	16.84	35.36	45.47
7	Chengalpattu	3	8.48	2.6	9.76	12.04	58.02	76.26
<b>Total</b>		<b>6</b>	<b>16.95</b>	<b>37.68</b>	<b>40.11</b>	<b>69.55</b>	<b>177.72</b>	<b>234.78</b>

- In case of the remaining 7 ULBs (Palani, Tiruthani, Mannarkudi, Ranipettai, Kallakurchi, Tenkasi, Aruppukottai) the DPR is under preparation and it will be submitted during the next tranche of state sanitation action plan.
- With regards to provision of cesspool tankers, we agreed to change the cleaning frequency from once in two years to once in three years with average considered cost of Rs.30 Lakh for the proposed capacity where population based on septic tanks/ living in the fringe areas of the town and not for the entire population of the town.

#### **FSTPs / appropriate used water management solutions as per site conditions such as Horizontal Planted Gravel Filter**

- In case of grey water treatment, we have proposed grey water treatment units such a horizontal planted gravel filter units at 1,780 locations with a cost of Rs.75 lakh each. This unit cost is only a tentative block cost for the purpose of state used water plan. However, considering the views expressed during the VC meeting the block cost per unit, has been revised as Rs.50 lakh. The total amount earmarked for 1,780 locations will not be exceeded and the actual cost for each location will be site specific based on the appropriate technology, the flow out put of the unit and other site specific parameters.

#### **Unit cost of FSTPs**

- It is also informed that the capacity of the FSTPs proposed the ranges from 10 to 20 KLD and the cost has been reworked as Rs.150 lakh per KLD.
- According to the reason indicated above, the revised abstract details of used water management plan is furnished as under:

Sl. No	Component	Original plan		Revised plan		Remarks
		Units	Amount in crore.	Units	Amount in crore.	
1	Cess pool tankers & other equipment's	670 equipment's (556 ULB)	324.84	163 (82 M+ 81 TPs)	70.50	<ul style="list-style-type: none"> <li>▪ Cesspool tankers-82 nos in 82 ULBs for desludging, the septic tank where FSTPs are under proposed</li> <li>▪ Super sucker machines-28 nos. in 28 ULBs where UGSS have been completed and put in to use, to take care of O&amp;M</li> <li>▪ 81 cesspool tanker and 8 super sucker in 490 TPs</li> </ul>
2	FSTPs/ Appropriate used water management solutions as per site conditions	(24 M + 315 TP) 4040KLD	797.80	(24 M + 315 TP) 4040 KLD	606.00	<ul style="list-style-type: none"> <li>▪ New units - 24 in Municipalities with capacity of 370 KLD</li> <li>▪ 315 in TPs with capacity of 3,670 KLD for town panchayats where most of the towns area having population 10,000 to 20,000 only</li> </ul>
3	STP s	9 ULBs - 174 MLD	496.89	17 ULBs - 178.45 MLD	436.32	<ul style="list-style-type: none"> <li>▪ Cost included only for terminal pumping station, pumping main (TPS to STP) and STP included</li> </ul>
4	I&D	256 ULB - 502 km	234.49	256 ULB - 502 km	223.07	<ul style="list-style-type: none"> <li>▪ To abate the pollution in the water bodies</li> </ul>
5	Grey water Treatment units	1931 locations	1,678.79	1,780 locations	1205	<ul style="list-style-type: none"> <li>▪ 1780 locations in 60 Municipalities and 467 TPs</li> </ul>
<b>Total</b>			<b>3532.81</b>		<b>2540.89</b>	

## **Operation & Maintenance**

- The O&M cost of the asset created with the financial assistance of SBM 2.0 will be met out from the ULB fund for the five years adhering the SBM guidelines.

5. In view of the above, I request you to kindly consider the details furnished above and sanction the used water management plan of the State and sanction funds for taking up the activities / projects proposed in the plan.

Yours sincerely,

*Handwritten signature*  
14722

**To**

Ms. Roopa Mishra, I.A.S.,  
Joint Secretary & Mission Director  
Swachh Bharat Mission- Urban  
Government of India  
Ministry of Housing and Urban Affairs  
Nirman Bhawan, New Delhi 110 011

**Chennai Metropolitan Water Supply and Sewerage Board**

**Sewage Generation and Treatment:**

The operational area of Chennai city is 426 Sq.km and the estimated Sewage Generation at present is 743 Million litres per day (MLD). The collected sewage is treated at the existing 13 Sewage Treatment Plants with a total installed capacity of 745 MLD. The present average capacity utilization is 600 MLD Avg (80.53%), an increase of 10% from the utilization in 2019 at 532 MLD Avg (71.14%).

**STP Capacity addition:**

The core area of the Chennai city is fully covered by UGSS and the newly added areas are also being progressively covered. In 8 added areas, UGSS works have been sanctioned for a cost of Rs. 983.22 Cr and the works are in various stages for completion. The providing of UGSS for the balance seventeen newly added areas of GCC has also been taken up and are in various stages of progress. The Government of Tamil Nadu has issued sanction orders for 8 added areas after July 2022 at a total cost of Rs.1175.61 Cr and work is under progress. Further, for undertaking the balance UGSS for 8 areas has been sanctioned by the State High Power Steering Committee on 08.11.2022 for a total amount of Rs. 1269.63 cr under AMRUT 2.0

UGSS works in 10 added areas, the proposal for getting Administrative Sanction have been submitted to Government and it is under process.

Based on the requirements for the treatment of the sewage to be collected from the ongoing underground sewerage schemes and future growth in generation, construction of additional Sewage Treatment plants for a total capacity of 471.80 MLD has been taken up. At present additional seven numbers of treatment plants with a total capacity of 167.80 MLD at a total cost of Rs.280.10 Cr has been completed after June 2022 and upto October 2022. This includes four decentralized modular treatment plants to treat the sewage outfalls through drains into the rivers. The ongoing balance six numbers of treatment plants providing additional capacity of 304 MLD at a total cost of 528.06 Cr is expected to be completed by May 2023. Hence, after completion of these projects the total capacity of sewerage treatment plants will get enhanced to 1216.80 MLD from 745 MLD.

**Details of completed STPs and Capacity added after July 2022**

Sl.No.	Location	Capacity of the plant in MLD	Progress adopted	Physical Progress in %	Fund Sanctioned In Rs. Crore	Sanction Order and funding pattern
1	Thiruvottriyur STP	31	ASP	Completed	19.49	G.O.(Ms) No. 12, MAWS(WS2), Dated 28.01.2013
2	Kodungaiyur STP Zone - II	120	SBR	Completed	212.86	G.O.(Ms) No. 103, Dated 16.09.2020 AMRUT – Rs.90.36 Cr., TNIPP Phase II – Rs.43.35 cr., CMCDM2019-20 – Rs.29.09 cr., CMCDM 2020-21 Rs.13.12 cr., CMWSSB Share – Rs.36.94 cr
3	Nesapakkam TTUF	10	SBR +TTUF	Completed	27.35	G.O.(Ms) No. 106, Dated 29.09.2020 Smart City – 53.10 Cr
4	CRRT - Chetpet MSTP	1.0	MBBR	Completed	3.29	GO.Ms.No.9 dated 13.01.2015, CRRT/42nd Board/ICRERP/CMWS SB/2021-01, dated 16.08.2021 CRRT – 3.29 Cr
5	CRRT- Nungambakkam MSTP	1.2	MBBR	Completed	3.32	GO.Ms.No.9 dated 13.01.2015, CRRT/42nd Board/ICRERP/CMWS SB/2021-01, dated 16.08.2021 CRRT – 3.32 Cr
6	CRRT - Todd Hunter Nagar MSTP	0.4*10=4	MBBR	Completed	15.84	GO.Ms.No.72 dated 12.07.2017 CRRT – 15.84 Cr
7	CRRT - Kotturpuram MSTP	0.3*2=0.6	MBBR	Completed	2.12	GO.Ms.No.72 dated 12.07.2017 CRRT – 2.15 Cr
<b>Total Capacity Added</b>		<b>167.80</b>			<b>284.27</b>	

**Details of additional capacity of STP - Under Construction**

Sl.No.	Location	Capacity of the plant in MLD	Progress adopted	Physical Progress in %	Completion Timeline	Fund Sanctioned In Rs. Crore	Sanction Order and funding pattern
1	Sholingalur STP (PHASE II)	54	SBR	90.75	May 2023 (36+18) 18MLD trial run in progress	72.54	G.O.(2D) No. 64, Dated 27.09.2017 TNIPP – Rs.60.20 crore, CMWSSB – Rs.12.34 crore
2	Kodungaiyur STP Zone – I	120	SBR	76.55	Dec 2022	211.66	G.O.(Ms) No. 103, Dated 16.09.2020 AMRUT – Rs.89.87 Cr., TNIPP Phase II – Rs.43.35 cr., CMCDM 2019-20 – Rs.28.93 cr., CMCDM 2020-21 Rs.13.04 cr., CMWSSB Share – Rs.36.47 cr
3	Nesapakkam STP Zone – IV	50	SBR	81.84	Dec 2022	86.94	G.O.(Ms) No. 103, Dated 16.09.2020 AMRUT – Rs.37.68 Cr., TNIPP Phase II – Rs.15.30 cr., CMCDM2019-20 – Rs.11.88 cr., CMCDM 2020-21 Rs.5.36 cr., CMWSSB Share – Rs.16.72 cr
4	Perungudi STP Zone – V	60	SBR	60.54	Mar 2023	105.86	G.O.(Ms) No. 103, Dated 16.09.2020 AMRUT – Rs.45.45 Cr., TNIPP Phase II – Rs.17.35 cr., CMCDM2019-20 – Rs.14.47 cr., CMCDM 2020-21 Rs.6.52 cr., CMWSSB Share – Rs.22.07 cr

Sl.No.	Location	Capacity of the plant in MLD	Progress adopted	Physical Progress in %	Completion Timeline	Fund Sanctioned In Rs. Crore	Sanction Order and funding pattern
5	Perungudi TTUF	10	SBR + TTUF	73.21	Mar 2023	25.75	G.O.(Ms) No. 106, Dated 29.09.2020 Smart City – 53.10 Cr
6	CRRT-Langs Garden MSTP	10	MBBR + TTUF	62.00	Mar 2023	33.44	GO.Ms.No.9 dated 13.01.2015, CRRT/42nd Board/ICRERP/CM WSSB/2021-01, dated 16.08.2021 CRRT – 33.44 Cr
<b>Total</b>		<b>304.00</b>				<b>536.19</b>	

#### Utilization of treated sewage:

CMWSSB is supplying on an average 25 MLD of secondary treated wastewater to industries. The secondary treated wastewater is also supplied to GCC & TNRDC for landscaping and gardening purposes. The two 45 MLD Capacity each Tertiary Treatment Reverse Osmosis (TTRO) Plants at Kodungaiyur and Koyambedu supply product water to various industries in Manali and industries at Sriperumbudur, Irungattukottai and Oragadam were constructed at a cost of Rs.235 crore and Rs.396 Crore respectively.

- ✓ Name of the Industries TTRO water supplied from Kodungaiyur - Chennai Petroleum Corporation Ltd, Manali Fertilizers Ltd, Manali Petrochemicals Ltd, Tamil nadu Petroproducts Ltd - LAB & HCD plant (Plant 1 & 2), CETEX, Indian additives Ltd, Kothari Petrochemicals Ltd, North Chennai Thermal Power Station - Stage I & II, National Thermal Power Corporation JV Tamil Nadu Energy Company Ltd.
- ✓ Name of the Industries TTRO water supplied from Koyambedu - SIPCOT – Irunkattukottai, SIPCOT – Sriperumbudur, SIPCOT – Oragadam, SIPCOT – Pillaipakkam, SIPCOT - Vallam Vadagal

CMWSSB in continuing its efforts to augment supply of water through sustainable sources and also reuse the waste water for pollution abatement has made a detailed study with IIT Chennai and is working on the projects for use of tertiary treated water for recharging of lakes and to draw the water for supply through a water treatment plant near to the lake and

the water distribution station. This aims at sustainable, decentralized source augmentation, ground water enhancement and pollution abatement.

- ✓ GoTN sanctioned two proposals of each 10 mld capacity for recycle, recharge and reuse of tertiary treated water from Nesapakkam STP at cost of Rs. 28.75 Cr to Porur lake and Water Treatment Plant and from Perungudi STP to Perungudi lake at a cost of Rs. 24.35 Cr. The work was awarded on 07.03.2019 for Nesapakkam TTUF and for Perungudi TTUF.
- ✓ Nesapakkam 10 MLD TTUF – The treated water is supplied to Porur Lake for Recharging of urbanized lake and indirect reuse with a new water treatment plant near the lake – Work completed and the Plant is Commissioned now.
- ✓ Perungudi 10 MLD TTUF – The treated water is to be supplied to Perungudi Lake for Recharging of urbanized lakes and indirect reuse with a new water treatment plant near the lake – Work is in progress.
- ✓ Langs Garden 10 MLD TTUF – The 10MLD capacity Modular Sewage Treatment Plant based on Moving Bed BioFilm Reactor Technology followed by Ultra Filtration at Langs Garden sewage pumping station is constructed with a project cost of Rs. 33.44 Crore under integrated Cooum River Eco restoration project. The Plant Construction works are under progress and the treated water is to be supplied to Railways and Greater Chennai Corporation

### **Revenue through recycle**

- ✓ The product water from the TTRO plants is supplied to various Petro chemical industries and other industries in Manali, North Chennai and industries at the State Industries Promotion corporation of Tamil Nadu (SIPCOT) industrial parks in Sriperumbudur, Irungattukottai and Oragadam. The 46 MLD product water is supplied to the industries at the rate of Rs.80.00/KL in Manali and at Rs.65/KL to SIPCOT, which redistributes the water the industries in its industrial parks.
- ✓ The sale of the treated water has generated an income of Rs. 206.09 Cr for CMWSSB since 2020 and currently with the supply of TTRO water, CMWSSB earns an increased revenue of Rs.8.94 Cr per month. The sale secondary treated water to industries also yields a revenue Rs.1.80 Cr per month to CMWSSB in Chennai.

The Utilization of treated sewage at present (2022) is 13.00% and has been more than doubled than that in 2019 which was around 6%. The total quantity of 71 ML treated and reused is with i) Supply of secondary treated water – 25.00 ML, ii) Supply of Tertiary treated water – 46.00 ML and iii) Tertiary Treated water for recharging of lakes and reuse - 8.00 ML.

**Directorate of Municipal Administration**

**Sewage generation and treatments:**

There are 20 corporations (excluding Greater Chennai Corporation) and 138 Municipalities in Tamil Nadu and the estimated sewage generation at present is 1698.73 MLD. The collected sewage is treated at the existing Sewage Treatment Plants with a total installed capacity of 994.31 MLD and an additional capacity of 234.76 MLD is made operational.

**STP/FSTP capacity addition:**

In order to fill the treatment gap of 469.66 MLD, STPs at 7 locations are under construction and STPs at 15 locations are proposed for a total capacity of 547.55 MLD. FSTPs at 22 locations are under construction and new FSTPs at 24 locations are proposed for a total capacity of 0.95 MLD. Therefore, the gap in treatment capacity will overcome through the construction of new STPs and FSTPs as mentioned above.

**Utilization of treated sewage:**

State government has come out with a policy on reuse of treated wastewater during December 2019. At present, ULBs falling in DMA are reusing 404.85 MLD of treated used water in irrigation, horticulture, industrial purposes and other purposes.

**Commissionerate of Town Panchayat**

**Sewage generation and treatments:**

There are 490 Town Panchayats in Tamil Nadu and the estimated sewage generation at present is 429.29 MLD. The collected sewage is treated at the existing 9 Sewage Treatment Plants and 5 FSTP with a total installed capacity of 29.67 MLD. Further, the construction of STPs is under progress in two Town Panchayats with a total capacity of 12.5 MLD.

**STP Capacity addition:**

In order to increase the treatment capacity, FSTPs at 15 locations with a capacity of 0.195 MLD and polluted river stretches with a capacity of 12.9 MLD is under construction. FSTP/Grey water treatment units with a capacity of 550.6 MLD is approved by GOI under SBM 2.0

**Utilization of treated sewage:**

State government has come out with a policy on reuse of treated wastewater during December 2019. The policy envisages establishment of wastewater grids to promote the use of treated water for industrial, agriculture or non-drinking purpose domestic use. Out of 29.67 MLD of treated sewage, 6.82 MLD is used for Agriculture and Horticulture purpose.

**Directorate of Municipal Administration (DMA)**

**Table 1 STP (Completed after July 2022)**

S.No	Location	Capacity of the plant in MLD	Source of fund	Technology
1	Coimbatore – Nanjudapuram	40.00	Jnnurm	SBR
2	Coimbatore – Kuruchi & kuniyamuthur	30.53	AMRUT 2.0/ADB	SBR
3	Karaikudi	16.00	Kfw	ASP
4	Nagercoil	17.66	UIDSSMT	EASP
5	Rajapalayam	21.85	AMRUT 2.0/ADB	ASP
6	Tiruppur (Expansion of existing)	15.00	AMRUT 2.0/ADB	EASP
7	Tiruppur (Sarkarperiyapalayam)	36.00	AMRUT 2.0/ADB	SBR
8	Tiruppur (Chinnandipalayam)	20.00	AMRUT 2.0/ADB	SBR
9	Trichirapalli-STP2	37.00	AMRUT 2.0/ADB	SBR
10	Satur	4.65	UIDSS MT/IUDM	SBR
	<b>Total</b>	<b>234.04</b>		

**Table 2 FSTP (Completed after July 2022)**

S.No	Location	Capacity of the plant in MLD	Cost in Lakhs	Source of fund
1	Kangeyam	0.020	200.00	<b>IUDM</b>
2	Kovilpatti	0.040	394.89	
3	Tirumangalam	0.040	430.00	
4	Dharapuram	0.030	297.50	
5	Sengottai	0.020	260.00	
6	Thuraiyur	0.020	320.00	
7	Edappadi	0.030	400.00	
8	Vickramasingapuram	0.030	300.00	
9	Kadayanallur	0.040	400.00	
10	Pattukottai	0.030	360.00	
11	Tiruchengode	0.040	441.00	
12	Melur	0.020	217.00	
13	Ambasamudiram	0.030	315.00	

S.No	Location	Capacity of the plant in MLD	Cost in Lakhs	Source of fund
14	Mannargudi	0.030	310.00	
15	Aruppukottai	0.040	400.00	
16	Sankarankoil	0.030	316.80	
17	Tenkasi	0.040	415.00	
18	Srivilliputhur	0.030	300.00	
19	Gudiyattam	0.030	320.00	
20	Vandavasi	0.020	250.00	
21	Paramakudi	0.040	565.00	
22	Cumbum	0.040	410.00	
23	Koothanallur	0.020	285.00	
24	Thiruthuraipoondi	0.010	185.00	
	<b>Total</b>	<b>720</b>	<b>8092.19</b>	

**Commissionerate of Town Panchayat**

**Table 3 STP (Completed after July 2022)**

S.No	Location	Capacity of the plant in MLD	Cost in Cr	Source of fund
1	Sriperumbudur TP	8.50	77.11	UIDSMT
2	Thiruporur TP	4.02	42.00	IUDM
	<b>Total</b>	<b>12.52</b>	<b>119.11</b>	

**Table 4 FSTP (Completed after July 2022)**

S.No	Location	Capacity of the plant in MLD	Cost in Cr	Source of fund
1	Karunguzhi	0.024	4.93	IUDM/IGGF
2	Periyanaikanpalayam	0.030	2.20	BMGF
3	Chengam TP	0.020	2.67	IUDM
4	Alangayam TP	0.015	3.67	IUDM
5	Mudukulathur TP	0.015	3.03	IUDM
	<b>Total</b>	<b>0.104</b>	<b>16.50</b>	

**Directorate of Rural Development (DRD)**

**Table 5 Summary of treatment units (Completed after July 2022)**

<b>S. No</b>	<b>Infrastructure</b>	<b>No. of Available infrastructure</b>	<b>Capacity in MLD</b>
1	Grey water management	7,64,831	152.97
2	Individual Soak Pits	3,39,079	50.86
3	Community Soak Pits	311	0.12
4	Vertical Filters	43	0.22
5	Horizontal Filters	25	0.15
	<b>TOTAL</b>		<b>204.32</b>

**Table 5a Grey Water Management (GWM) (Completed after July 2022)**

<b>S. No</b>	<b>Location</b>	<b>Kitchen Garden (nos)</b>	<b>Capacity in (MLD)</b>
1	Ariyalur	5239	1.05
2	Chengalpet	8220	1.64
3	Coimbatore	12569	2.51
4	Cuddalore	44360	8.87
5	Dharmapuri	3343	0.67
6	Dindigul	37513	7.50
7	Erode	12421	2.48
8	Kallakurichi	13150	2.63
9	Kancheepuram	10466	2.09
10	Kanyakumari	30453	6.09
11	Karur	15371	3.07
12	Krishnagiri	13459	2.69
13	Madurai	11206	2.24
14	Mayiladuthurai	17308	3.46
15	Nagapattinam	26048	5.21
16	Namakkal	37543	7.51
17	Perambalur	7977	1.60
18	Pudukottai	19129	3.83
19	Ramnad	4331	0.87
20	Ranipet	9903	1.98
21	Salem	56239	11.25
22	Sivagangai	42042	8.41

<b>S. No</b>	<b>Location</b>	<b>Kitchen Garden (nos)</b>	<b>Capacity in (MLD)</b>
23	Tenkasi	5416	1.08
24	Thanjavur	77212	15.44
25	The Nilgiris	16	0.00
26	Theni	1493	0.30
27	Thoothukudi	28194	5.64
28	Tiruchirappalli	31457	6.29
29	Tirunelveli	18525	3.71
30	Tirupattur	3120	0.62
31	Tiruppur	34281	6.86
32	Tiruvallur	32510	6.50
33	Tiruvannamalai	52603	10.52
34	Tiruvarur	13732	2.75
35	Vellore	8070	1.61
36	Villupuram	15509	3.10
37	Virudhunagar	4403	0.88
<b>TOTAL</b>		<b>7,64,831</b>	<b>152.97</b>

**Table 5b Individual Soak Pits (ISP) (Completed after July 2022)**

<b>S. No</b>	<b>Location</b>	<b>ISP (nos)</b>	<b>Capacity in (MLD)</b>
1	Ariyalur	3376	0.51
2	Chengalpet	5731	0.86
3	Coimbatore	14164	2.12
4	Cuddalore	12639	1.90
5	Dharmapuri	1531	0.23
6	Dindigul	4257	0.64
7	Erode	10760	1.61
8	Kallakurichi	4338	0.65
9	Kancheepuram	4861	0.73
10	Kanyakumari	11813	1.77
11	Karur	8639	1.30
12	Krishnagiri	9830	1.47
13	Madurai	9130	1.37
14	Mayiladuthurai	3085	0.46
15	Nagapattinam	8746	1.31
16	Namakkal	10948	1.64
17	Perambalur	2135	0.32
18	Pudukottai	9992	1.50
19	Ramnad	13279	1.99
20	Ranipet	5052	0.76
21	Salem	17688	2.65

S. No	Location	ISP (nos)	Capacity in (MLD)
22	Sivagangai	6570	0.99
23	Tenkasi	4314	0.65
24	Thanjavur	9626	1.44
25	The Nilgiris	1384	0.21
26	Theni	2126	0.32
27	Thoothukudi	6257	0.94
28	Tiruchirappalli	12603	1.89
29	Tirunelveli	4443	0.67
30	Tirupattur	2656	0.40
31	Tiruppur	15342	2.30
32	Tiruvallur	13249	1.99
33	Tiruvannamalai	13900	2.09
34	Tiruvarur	56799	8.52
35	Vellore	6171	0.93
36	Villupuram	4721	0.71
37	Virudhunagar	6924	1.04
<b>TOTAL</b>		<b>3,39,079</b>	<b>50.86</b>

**Table 5c Community Soak Pits (CSP) (Completed after July 2022)**

S. No	Location	CSP (nos)	Capacity in (MLD)
1	Ariyalur	2	0.001
2	Chengalpet	0	0.000
3	Coimbatore	2	0.001
4	Cuddalore	8	0.003
5	Dharmapuri	5	0.002
6	Dindigul	0	0.000
7	Erode	2	0.001
8	Kallakurichi	6	0.002
9	Kancheepuram	3	0.001
10	Kanyakumari	0	0.000
11	Karur	19	0.008
12	Krishnagiri	15	0.006
13	Madurai	6	0.002
14	Mayiladuthurai	1	0.000
15	Nagapattinam	21	0.008
16	Namakkal	21	0.008
17	Perambalur	1	0.000
18	Pudukottai	2	0.001
19	Ramnad	32	0.013
20	Ranipet	0	0.000

<b>S. No</b>	<b>Location</b>	<b>CSP (nos)</b>	<b>Capacity in (MLD)</b>
21	Salem	8	0.003
22	Sivagangai	23	0.009
23	Tenkasi	5	0.002
24	Thanjavur	46	0.018
25	The Nilgiris	3	0.001
26	Theni	3	0.001
27	Thoothukudi	5	0.002
28	Tiruchirappalli	9	0.004
29	Tirunelveli	5	0.002
30	Tirupattur	2	0.001
31	Tiruppur	5	0.002
32	Tiruvallur	3	0.001
33	Tiruvannamalai	12	0.005
34	Tiruvarur	17	0.007
35	Vellore	2	0.001
36	Villupuram	11	0.004
37	Virudhunagar	6	0.002
<b>TOTAL</b>		<b>311</b>	<b>0.12</b>

**Table 5d Vertical Filter Type (VF) (Completed after July 2022)**

<b>S. No</b>	<b>Location</b>	<b>VF (nos)</b>	<b>Capacity in (MLD)</b>
1	Ariyalur	1	0.01
2	Chengalpet	0	0.00
3	Coimbatore	4	0.02
4	Cuddalore	0	0.00
5	Dharmapuri	1	0.01
6	Dindigul	1	0.01
7	Erode	1	0.01
8	Kallakurichi	3	0.02
9	Kancheepuram	0	0.00
10	Kanyakumari	0	0.00
11	Karur	1	0.01
12	Krishnagiri	1	0.01
13	Madurai	2	0.01
14	Mayiladuthurai	0	0.00
15	Nagapattinam	0	0.00
16	Namakkal	1	0.01
17	Perambalur	0	0.00
18	Pudukottai	8	0.04
19	Ramnad	3	0.02

<b>S. No</b>	<b>Location</b>	<b>VF (nos)</b>	<b>Capacity in (MLD)</b>
20	Ranipet	0	0.00
21	Salem	3	0.02
22	Sivagangai	0	0.00
23	Tenkasi	2	0.01
24	Thanjavur	0	0.00
25	The Nilgiris	2	0.01
26	Theni	0	0.00
27	Thoothukudi	1	0.01
28	Tiruchirappalli	0	0.00
29	Tirunelveli	1	0.01
30	Tirupattur	0	0.00
31	Tiruppur	1	0.01
32	Tiruvallur	0	0.00
33	Tiruvannamalai	2	0.01
34	Tiruvarur	0	0.00
35	Vellore	0	0.00
36	Villupuram	2	0.01
37	Virudhunagar	2	0.01
<b>TOTAL</b>		<b>43</b>	<b>0.22</b>

**Table 5e Horizontal Filter Type (Completed after July 2022)**

<b>S. No</b>	<b>Location</b>	<b>HF (nos)</b>	<b>Capacity in (MLD)</b>
1	Ariyalur	0	0.00
2	Chengalpet	0	0.00
3	Coimbatore	4	0.02
4	Cuddalore	1	0.01
5	Dharmapuri	1	0.01
6	Dindigul	0	0.00
7	Erode	2	0.01
8	Kallakurichi	1	0.01
9	Kancheepuram	1	0.01
10	Kanyakumari	0	0.00
11	Karur	0	0.00
12	Krishnagiri	0	0.00
13	Madurai	0	0.00
14	Mayiladuthurai	0	0.00
15	Nagapattinam	0	0.00
16	Namakkal	1	0.01
17	Perambalur	0	0.00
18	Pudukottai	1	0.01
19	Ramnad	0	0.00
20	Ranipet	0	0.00
21	Salem	2	0.01

<b>S. No</b>	<b>Location</b>	<b>HF (nos)</b>	<b>Capacity in (MLD)</b>
22	Sivagangai	0	0.00
23	Tenkasi	1	0.01
24	Thanjavur	0	0.00
25	The Nilgiris	1	0.01
26	Theni	1	0.01
27	Thoothukudi	0	0.00
28	Tiruchirappalli	3	0.02
29	Tirunelveli	1	0.01
30	Tirupattur	0	0.00
31	Tiruppur	0	0.00
32	Tiruvallur	1	0.01
33	Tiruvannamalai	0	0.00
34	Tiruvarur	0	0.00
35	Vellore	1	0.01
36	Villupuram	1	0.01
37	Virudhunagar	1	0.01
<b>TOTAL</b>		<b>25</b>	<b>0.15</b>

**Directorate of Municipal Administration (DMA)**

**Table 1 STP (Under Construction)**

S.No	Location	Capacity of the plant in MLD	Cost	Source of fund	Technology
1	Ambur	16.71	32.67	AMRUT 2.0/ADB	MBBR
2	Rameshwaram	4.08	7.37	AMRUT 2.0	SBR
3	Vellore	50.00	69.71	AMRUT 2.0/ADB	SBR
4	Ponneri	6.52	9.57	IUDM	MBBR
5	Pammal & Anagaputhur	27.00	48.90	CRRT	SBR
6	Tindivanam	11.44	24.55	IUDM/HUDCO loan	SBR
7	Villupuram Added area	4.56	12.65	IUDM/HUDCO loan	SBR
	<b>Total</b>	<b>120.31</b>	<b>205.42</b>		

**Table 2 STP (Proposed)**

S.No	Location	Capacity of the plant in MLD	Cost in Rs.Cr.	Source of fund	DPR Status
1	Dharmapuri	5.11	11.14	SBM 2.0/Kfw	DPR submitted
2	Mayiladuthurai	9.37	21.18	SBM 2.0/Kfw	
3	Namakkal	11.12	23.45	SBM 2.0/Kfw	
4	Maraimalainagar	15.07	28.57	SBM 2.0/Kfw	
5	Karur	16.84	35.36	SBM 2.0/Kfw	
6	Thiruverkadu -UGSS on cluster basis to cover (3 ULBs)	81.00	316.93	SBM 2.0/Kfw	
7	Chengalpattu*	12.04	58.02	SBM 2.0/Kfw	
8	Pudukottai	10.64	23.41	AMRUT 2.0/Kfw	
9	Vellore	31.42	69.12	AMRUT 2.0/EAP	
10	Cuddalore	12.47	27.43	AMRUT 2.0	
11	Tiruvannamalai	13.15	28.93	AMRUT 2.0	

S.No	Location	Capacity of the plant in MLD	Cost in Rs.Cr.	Source of fund	DPR Status
12	Dindigul	15.01	33.02	AMRUT 2.0	
13	Trichy	100.00	220.00	AMRUT 2.0	
14	Tirunelveli	58.00	127.60	AMRUT 2.0	
15	Avadi	36.00	79.20	AMRUT 2.0	
	<b>Total</b>	<b>427.24</b>	<b>1103.37</b>		

Table 3 FSTP (Under Construction)

S.No	Location	Capacity of the plant in MLD	Cost in Lakhs	Source of fund
1	Kulithalai	0.020	285.00	IUDM
2	Sirkali	0.020	260.00	
3	Padmanabhapuram	0.020	213.00	
4	Vedaranyam	0.020	285.00	
5	Aranthangi	0.020	222.00	
6	Coonoor	0.010	350.00	
7	Virudhachalam	0.040	425.00	
8	Puliangudi	0.040	442.00	
9	Jayamkondan	0.020	380.00	
10	Attur	0.040	441.00	
11	Gudalur	0.020	215.00	
12	Chengalpattu	0.020	380.00	
13	Walajapet	0.030	300.00	
14	Keelakarai	0.020	340.00	
15	Sivakasi	0.040	486.00	
16	Vaniyambadi	0.030	310.00	
17	Kuzhithurai	0.040	330.00	
18	Colachel	0.040	548.35	
19	Manapparai	0.020	260.00	
20	Nellikuppam	0.020	235.00	

S.No	Location	Capacity of the plant in MLD	Cost in Lakhs	Source of fund
21	Panruti	0.030	360.00	
22	Usilampatti	0.020	320.00	
	<b>Total</b>	<b>0.580</b>	<b>7387.35</b>	

Table 4 FSTP (Proposed)

S.No	Location	Capacity of the plant in MLD	Cost in Lakhs	Source of fund
1	Pernampattu	0.020	300	SBM 2.0/ GOTN
2	Arani	0.020	300	
3	Tirukkoyilur	0.010	180	
4	Edaganasalai	0.020	300	
5	Pallapatti	0.010	180	
6	Vellakoil	0.020	300	
7	Musiri	0.010	180	
8	Surandai	0.010	180	
9	Kalakad	0.010	180	
10	Oddanchatram	0.020	300	
11	Tittakudi	0.010	180	
12	Nelliyalam	0.010	250	
13	Manamadurai	0.010	180	
14	Usilampatti	0.020	350	
15	Tiruvathipuram	0.010	180	
16	Gobichettipalayam	0.020	300	
17	Kodaikanal	0.020	450	
18	Kulithurai	0.040	340	
19	Coonoor	0.010	350	
20	Vadalur	0.010	200	
21	Kottakuppam	0.010	200	
22	Pugalur	0.020	400	
23	Palladam	0.020	400	
24	Lalgudi	0.010	200	SBM 2.0/ GOTN
	<b>Total</b>	<b>0.370</b>	<b>6380</b>	

**Table 1 FSTP - Under Construction (15 Locations)**

Sl. No.	Location	Capacity of the plant in MLD	Cost in Cr	Fund Source
1	Jalakandapuram TP	0.015	2.96	IUDM
2	Pennagaram TP	0.015	2.66	IUDM
3	Kaveripattinam TP	0.015	2.44	IUDM
4	Kurumbalur TP	0.010	2.77	IUDM
5	Pennadam TP	0.010	2.58	IUDM
6	Ayyalur	0.010	1.80	SBM 2.0
7	Nilakottai	0.020	3.60	SBM 2.0
8	Palakkodu	0.010	1.80	SBM 2.0
9	Sholavandan	0.010	1.80	SBM 2.0
10	Tirukalukundram	0.020	3.60	SBM 2.0
11	V. Pudur	0.010	1.80	SBM 2.0
12	Vedasandur	0.020	3.60	SBM 2.0
13	Peravurani	0.010	1.80	SBM 2.0
14	Thisayanvilai	0.010	1.80	SBM 2.0
15	Ayagudi	0.010	1.80	SBM 2.0
<b>Total</b>		<b>0.195</b>	<b>36.81</b>	

**Table 2 Grey Water / FSTP (776 Locations approved by GOI under SBM 2.0)**

S. No	Name of the District	Name of the ULB	Quantity of Sewage (Grey Water) MLD	Amount per outfall (In Lakh)
1	Kancheepuram	Uthiramerur	2.03	75.00
2	Kancheepuram	Walajabad	1.25	125.00
3	Chenglepet	Acharapakkam	0.88	100.00
4	Chenglepet	Edaikazhinadu	2.29	50.00
5	Chenglepet	Karunguzhi	0.96	100.00
6	Chenglepet	Tirukalukundram	2.69	75.00
7	Thiruvallur	Arani	1.20	100.00

8	Thiruvallur	Gummidipoondi	1.63	50.00
9	Thiruvallur	Minjur	2.48	75.00
10	Thiruvallur	Naravarikuppam	0.20	150.00
11	Thiruvallur	Pallipet	0.65	75.00
12	Thiruvallur	Podhaturpet	1.89	75.00
13	Thiruvallur	Uthukottai	1.08	100.00
14	Vellore	Odugathur	0.69	25.00
15	Vellore	Pallikonda	1.91	25.00
16	Vellore	Pennathur	0.77	25.00
17	Vellore	Thiruvalam	0.72	50.00
18	Ranipet	Ammoor	1.04	75.00
19	Ranipet	Kalavai	0.72	75.00
20	Ranipet	Kaveripakkam	1.15	75.00
21	Ranipet	Nemili	1.02	75.00
22	Ranipet	Panapakkam	0.99	75.00
23	Ranipet	Thakkolam	1.25	75.00
24	Ranipet	Thimiri	1.31	100.00
25	Ranipet	Vilapakkam	0.60	100.00
26	Thirupathur	Alangayam	1.51	25.00
27	Thirupathur	Natrampalli	0.97	25.00
28	Thirupathur	Udayendiram	1.19	25.00
29	Tiruvannamalai	Chengam	2.50	50.00
30	Tiruvannamalai	Chetpet	1.59	50.00
31	Tiruvannamalai	Desur	0.60	100.00
32	Tiruvannamalai	Kalambur	1.08	75.00
33	Tiruvannamalai	Kannamangalam	0.56	100.00
34	Tiruvannamalai	Kilpennathur	1.13	125.00
35	Tiruvannamalai	Pernamallur	0.46	100.00
36	Tiruvannamalai	Polur	2.32	150.00
37	Tiruvannamalai	Pudupalayam	1.13	50.00
38	Tiruvannamalai	Vettavalam	1.25	50.00

39	Dharmapuri	B.Mallapuram	1.02	100.00
40	Dharmapuri	Harur	2.30	125.00
41	Dharmapuri	Kadathur	0.95	75.00
42	Dharmapuri	Kambainallur	1.03	150.00
43	Dharmapuri	Karimangalam	1.14	75.00
44	Dharmapuri	Marandahalli	1.18	100.00
45	Dharmapuri	Palacode	1.77	50.00
46	Dharmapuri	Papparapatti	0.97	25.00
47	Dharmapuri	Pappireddipatti	0.76	100.00
48	Dharmapuri	Pennagaram	1.51	25.00
49	Krishnagiri	Bargur	1.37	75.00
50	Krishnagiri	Denkanikottai	2.37	50.00
51	Krishnagiri	Kaveripattinam	1.11	25.00
52	Krishnagiri	Kelamangalam	1.23	50.00
53	Krishnagiri	Nagojanahalli	1.02	100.00
54	Krishnagiri	Uthangarai	1.54	125.00
55	Salem	Arasiramani	1.19	50.00
56	Salem	Attayampatty	1.12	150.00
57	Salem	Ayyothiyapattanam	0.96	25.00
58	Salem	Elampillai	1.02	50.00
59	Salem	Gangavalli	1.01	100.00
60	Salem	Jalagandapuram	1.41	50.00
61	Salem	Kadayampatty	1.01	25.00
62	Salem	Kannankurichi	1.92	25.00
63	Salem	Karuppur	1.14	75.00
64	Salem	Keeripatty	0.84	75.00
65	Salem	Kolathur	1.15	50.00
66	Salem	Konganapuram	0.84	50.00
67	Salem	Mallur	0.83	75.00
68	Salem	Mecheri	2.46	75.00
69	Salem	Nangavalli	0.95	100.00

70	Salem	Omalur	1.44	275.00
71	Salem	P.N.Patty	2.19	75.00
72	Salem	Panamarathupatty	0.83	25.00
73	Salem	Poolampatti	0.72	50.00
74	Salem	Sankari	2.33	100.00
75	Salem	Sendarapatty	1.07	75.00
76	Salem	Thammampatty	1.62	100.00
77	Salem	Thedavur	0.67	100.00
78	Salem	Thevur	0.75	75.00
79	Salem	Vanavasi	0.62	50.00
80	Salem	Vazhapadi	1.64	125.00
81	Salem	Veeraganur	0.95	100.00
82	Salem	Veerakkalpudur	1.28	50.00
83	Namakkal	Aalampalayam	1.97	75.00
84	Namakkal	Athanur	0.77	50.00
85	Namakkal	Erumapatty	0.96	100.00
86	Namakkal	K.N.Patty	0.84	125.00
87	Namakkal	Mallasamudram	1.41	100.00
88	Namakkal	Mohanur	1.22	100.00
89	Namakkal	Namag iripettai	1.66	25.00
90	Namakkal	Padaveedu	0.79	50.00
91	Namakkal	Pandamangalam	0.66	100.00
92	Namakkal	Paramathy	0.95	100.00
93	Namakkal	Pattanam	0.71	25.00
94	Namakkal	Pillanallur	1.01	50.00
95	Namakkal	Pothanur	1.88	125.00
96	Namakkal	R.Pudupatty	0.61	25.00
97	Namakkal	Seerapalli	0.97	25.00
98	Namakkal	Sendamangalam	1.59	175.00
99	Namakkal	Velur	2.47	100.00
100	Namakkal	Vengarai	0.71	25.00

101	Namakkal	Vennandur	1.16	75.00
102	Erode	Ammapettai	0.77	25.00
103	Erode	Anthiyur	1.75	100.00
104	Erode	Appakudal	0.87	100.00
105	Erode	Arachalur	1.09	25.00
106	Erode	Ariyappampalayam	1.43	50.00
107	Erode	Athani	0.65	100.00
108	Erode	Avalpoondurai	1.05	75.00
109	Erode	Bhavanisagar	0.64	150.00
110	Erode	Chennasamudram	0.70	50.00
111	Erode	Chennimalai	1.48	25.00
112	Erode	Chithode	0.77	50.00
113	Erode	Elathur	0.59	25.00
114	Erode	Jambai	1.33	50.00
115	Erode	Kanjikovil	0.84	50.00
116	Erode	Karumandichellipalayam	2.12	25.00
117	Erode	Kasipalayam (Gobi)	0.72	50.00
118	Erode	Kembanaickenpalayam	0.87	75.00
119	Erode	Kilambadi	0.47	75.00
120	Erode	Kodumudi	1.12	125.00
121	Erode	Kolappalur	0.78	25.00
122	Erode	Kollankovil	0.72	50.00
123	Erode	Kugalur	0.88	50.00
124	Erode	Lakkampatti	1.08	50.00
125	Erode	Modakkurichi	0.77	50.00
126	Erode	Nallampatti	0.31	25.00
127	Erode	Nambiyur	1.33	25.00
128	Erode	Nasiyanur	0.89	25.00
129	Erode	Nerinjipettai	0.54	50.00
130	Erode	Olagadam	0.73	25.00
131	Erode	P.Mettupalayam	0.74	25.00

132	Erode	Pallapalayam	0.56	50.00
133	Erode	Pasur	0.29	50.00
134	Erode	Periyakodiveri	1.44	50.00
135	Erode	Pethampalayam	0.54	50.00
136	Erode	Salangapalayam	1.26	25.00
137	Erode	Sivagiri	1.35	50.00
138	Erode	Unjalur	0.24	75.00
139	Erode	Vadugapatti	0.72	50.00
140	Erode	Vaniputhur	0.92	75.00
141	Erode	Vellottamparappu	0.56	125.00
142	Erode	Vengambur	0.55	75.00
143	Tiruppur	Avinashi	2.81	50.00
144	Tiruppur	Chinnakkampalayam	0.96	150.00
145	Tiruppur	Dhali	0.50	75.00
146	Tiruppur	Kaniyur	0.46	75.00
147	Tiruppur	Kannivadi	0.46	75.00
148	Tiruppur	Kolathuppalayam	1.34	200.00
149	Tiruppur	Komaralingam	1.04	100.00
150	Tiruppur	Kunnathur	0.68	75.00
151	Tiruppur	Madathukulam	1.54	150.00
152	Tiruppur	Mulanur	1.28	100.00
153	Tiruppur	Muthur	1.08	100.00
154	Tiruppur	Rudravathi	0.54	100.00
155	Tiruppur	Samalapuram	1.94	100.00
156	Tiruppur	Sangaramanallur	0.77	175.00
157	Tiruppur	Uthukuli	0.81	125.00
158	Coimbatore	Alandurai	0.55	175.00
159	Coimbatore	Anaimalai	1.3122	175.00
160	Coimbatore	Annur	1.87	100.00
161	Coimbatore	Chettipalayam	1.09	100.00
162	Coimbatore	Dhaliyur	1.04	150.00

163	Coimbatore	Ettimadai	0.96	75.00
164	Coimbatore	Idigarai	0.86	100.00
165	Coimbatore	Irugur	2.649096	250.00
166	Coimbatore	Kannampalayam	1.832112	125.00
167	Coimbatore	Kinathukadavu	0.72	50.00
168	Coimbatore	Kottur	1.983384	125.00
169	Coimbatore	Mopperipalayam	1.06	50.00
170	Coimbatore	Narasimmanaickenpalayam	2.45	150.00
171	Coimbatore	Odayakulam	1.14	100.00
172	Coimbatore	Othakkalmandapam	1.07	50.00
173	Coimbatore	Pallapalayam	1.310976	125.00
174	Coimbatore	Periya negamam	0.562032	100.00
175	Coimbatore	Periyanaicken-palayam	2.62	150.00
176	Coimbatore	Perur	0.58	125.00
177	Coimbatore	Pooluvapatti	1.02	275.00
178	Coimbatore	Samathur	0.47916	75.00
179	Coimbatore	Sarkarsamakulam	1.02	100.00
180	Coimbatore	Sirumugai	2.33	125.00
181	Coimbatore	Suleswaranpatti	1.86552	75.00
182	Coimbatore	Sulur	2.45	75.00
183	Coimbatore	Thenkarai	0.57	75.00
184	Coimbatore	Thirumalayampalayam	1.00	100.00
185	Coimbatore	Thondamuthur	1.04	100.00
186	Coimbatore	Vedapatti	1.23	200.00
187	Coimbatore	Veerapandi	1.86	100.00
188	Coimbatore	Vellalore	2.65	150.00
189	Coimbatore	Vettaikaranpudur	1.35	75.00
190	Coimbatore	Zamin Uthukuli	1.47	100.00
191	The Nilgiris	Adigaratty	1.10	100.00
192	The Nilgiris	Bikkatty	0.45	100.00
193	The Nilgiris	Devarshola	2.13	100.00

194	The Nilgiris	Hulical	1.00	100.00
195	The Nilgiris	Jegathala	1.11	125.00
196	The Nilgiris	Ketti	1.80	125.00
197	The Nilgiris	Kil Kundah	0.69	100.00
198	The Nilgiris	Kotagiri	2.18	100.00
199	The Nilgiris	Naduvattam	0.66	100.00
200	The Nilgiris	O'Valley	1.70	150.00
201	The Nilgiris	Sholur	0.75	125.00
202	Cuddalore	Annamalainagar	1.58	100.00
203	Cuddalore	Bhuvanagiri	1.83	50.00
204	Cuddalore	Gangaikondan	0.77	50.00
205	Cuddalore	Kattumannarkoil	2.46	50.00
206	Cuddalore	Killai	1.42	25.00
207	Cuddalore	Kurinjipadi	2.25	75.00
208	Cuddalore	Lalpettai	1.49	50.00
209	Cuddalore	Mangalampettai	0.83	100.00
210	Cuddalore	Melpattampakkam	0.52	50.00
211	Cuddalore	Parangipettai	1.91	75.00
212	Cuddalore	Pennadam	1.62	125.00
213	Cuddalore	Sethiyathope	1.03	75.00
214	Cuddalore	Srimushnam	1.28	50.00
215	Cuddalore	Thorapadi	0.84	75.00
216	Villupuram	Ananthapuram	0.75	50.00
217	Villupuram	Arakandanallur	0.58	100.00
218	Villupuram	Gingee	2.69	100.00
219	Villupuram	Marakkanam	1.92	50.00
220	Villupuram	Tiruvennainallur	0.81	75.00
221	Villupuram	Valavanur	1.95	25.00
222	Villupuram	Vikkiravandi	1.09	75.00
223	Kallakurichi	Chinnasalem	2.53	75.00
224	Kallakurichi	Manalurpettai	0.74	100.00

225	Kallakurichi	Sankarapuram	1.57	75.00
226	Kallakurichi	Thiyagadurgam	2.02	50.00
227	Kallakurichi	Vadakkanandal	2.03	75.00
228	Thanjavur	Aduthurai	0.86	100.00
229	Thanjavur	Ammapettai	1.13	75.00
230	Thanjavur	Ayyampettai	1.33	100.00
231	Thanjavur	Cholapuram	0.58	100.00
232	Thanjavur	Madukkur	1.30	75.00
233	Thanjavur	Melathiruppanthruhi	0.70	50.00
234	Thanjavur	Melattur	0.62	100.00
235	Thanjavur	Papanasam	1.39	100.00
236	Thanjavur	Peravurani	1.72	100.00
237	Thanjavur	Perumagalur	0.49	75.00
238	Thanjavur	Swamimalai	0.55	100.00
239	Thanjavur	Thirukattupalli	0.95	50.00
240	Thanjavur	Thirunageswaram	1.22	50.00
241	Thanjavur	Thiruppananthal	0.88	50.00
242	Thanjavur	Thirupuvanam	1.18	100.00
243	Thanjavur	Thiruvaiyaru	1.25	100.00
244	Thanjavur	Thiruvidaimaruthur	1.19	75.00
245	Thanjavur	Veppathur	0.64	75.00
246	Nagapattinam	Keelvelur	0.68	50.00
247	Nagapattinam	Thalanayar	1.04	25.00
248	Nagapattinam	Thittachery	0.74	50.00
249	Mayiladuthurai	Kuthalam	1.43	75.00
250	Mayiladuthurai	Manalmedu	0.68	75.00
251	Mayiladuthurai	Tharangampadi	1.91	50.00
252	Mayiladuthurai	Vaithieswarankoil	0.56	25.00
253	Thiruvarur	Kodavasal	1.20	75.00
254	Thiruvarur	Koradachery	0.49	75.00
255	Thiruvarur	Muthupettai	1.80	75.00

256	Thiruvarur	Nannilam	1.01	75.00
257	Thiruvarur	Needamangalam	0.76	75.00
258	Thiruvarur	Peralam	0.54	75.00
259	Thiruvarur	Valangaiman	0.91	50.00
260	Tiruchirappalli	Balakrishnanpatti	0.65	75.00
261	Tiruchirappalli	Kallakudi	0.91	75.00
262	Tiruchirappalli	Kattuputhur	0.81	50.00
263	Tiruchirappalli	Koothapar	0.80	25.00
264	Tiruchirappalli	Mettupalayam	0.60	50.00
265	Tiruchirappalli	Ponnampatti	1.04	75.00
266	Tiruchirappalli	Pullambadi	0.87	75.00
267	Tiruchirappalli	Puvalur	0.92	75.00
268	Tiruchirappalli	Sirugamani	0.85	200.00
269	Tiruchirappalli	Thathaiyangarpettai	1.03	75.00
270	Tiruchirappalli	Thottiam	1.19	50.00
271	Tiruchirappalli	Uppiliapuram	0.67	50.00
272	Perambalur	Arumbavur	0.97	100.00
273	Perambalur	Kurumbalur	1.02	225.00
274	Perambalur	Labbaikudikadu	1.29	100.00
275	Perambalur	Poolambadi	0.82	100.00
276	Ariyalur	Udaiyar Palayam	1.08	50.00
277	Ariyalur	Varatharajanpettai	0.66	50.00
278	Pudukkottai	Alangudi	1.11	75.00
279	Pudukkottai	Annavasal	0.78	50.00
280	Pudukkottai	Arimalam	0.86	75.00
281	Pudukkottai	Iluppur	1.15	25.00
282	Pudukkottai	Karambakudi	1.28	50.00
283	Pudukkottai	Keeramangalam	0.89	50.00
284	Pudukkottai	Keeranur	1.05	50.00
285	Pudukkottai	Ponnamaravathi	1.04	50.00
286	Dindigul	Agaram	1.29	125.00

287	Dindigul	Ammayanaickanur	1.70	75.00
288	Dindigul	Ayakudi	2.13	50.00
289	Dindigul	Ayyalur	1.46	50.00
290	Dindigul	Ayyampalayam	0.95	25.00
291	Dindigul	Balagamudram	1.29	50.00
292	Dindigul	Batlagundu	2.00	75.00
293	Dindigul	Chinnalapatti	2.14	75.00
294	Dindigul	Eriodu	0.73	75.00
295	Dindigul	Kannivadi	0.86	50.00
296	Dindigul	Keeranur	0.57	50.00
297	Dindigul	Natham	1.95	50.00
298	Dindigul	Neikkarapatti	0.83	50.00
299	Dindigul	Nilakottai	1.89	50.00
300	Dindigul	Palayam	1.30	50.00
301	Dindigul	Pannaikkadu	0.73	50.00
302	Dindigul	Pattiveeranpatti	0.71	50.00
303	Dindigul	Sevugampatti	0.96	200.00
304	Dindigul	Sithayankottai	1.16	25.00
305	Dindigul	Sriramapuram	0.97	50.00
306	Dindigul	Thadicombu	1.68	25.00
307	Dindigul	Vadamadurai	1.41	75.00
308	Dindigul	Vedasandur	0.96	150.00
309	Karur	Aravakurichi	1.16	250.00
310	Karur	Krishnarayapuram	0.83	175.00
311	Karur	Marudur	0.81	100.00
312	Karur	Nangavaram	1.47	125.00
313	Karur	P.J. Cholapuram	0.68	75.00
314	Karur	Puliyur	1.02	150.00
315	Karur	Punjaitthottakurichi	0.91	150.00
316	Karur	Uppidamangalam	0.94	175.00
317	Madurai	A. Vallalapatti	0.73	75.00

318	Madurai	Alanganallur	1.01	100.00
319	Madurai	Elumalai	1.31	50.00
320	Madurai	Palamedu	0.99	75.00
321	Madurai	Paravai	1.83	75.00
322	Madurai	Peraiyur	0.83	75.00
323	Madurai	Sholavandan	1.72	75.00
324	Madurai	T.Kallupatti	0.91	50.00
325	Madurai	Vadipatti	2.44	50.00
326	Virudhunagar	Chettiyarpatti	1.44	50.00
327	Virudhunagar	Kariyapatti	1.81	25.00
328	Virudhunagar	Mallanginar	1.05	50.00
329	Virudhunagar	Mamsapuram	1.60	25.00
330	Virudhunagar	S.Kodikulam	0.99	100.00
331	Virudhunagar	Seithur	0.17	25.00
332	Virudhunagar	Sundarapandiam	0.66	100.00
333	Virudhunagar	W.Pudupatti	0.65	25.00
334	Virudhunagar	Watrap	1.29	50.00
335	Theni	Andipatti	2.48	150.00
336	Theni	B. Meenakshipuram	0.63	75.00
337	Theni	Boothipuram	0.95	75.00
338	Theni	Devadanapatti	1.54	50.00
339	Theni	Ganguvarpatti	1.01	150.00
340	Theni	Hanumanthampatti	0.90	100.00
341	Theni	Highways	0.38	25.00
342	Theni	Kamayagoundanpatti	1.69	100.00
343	Theni	Kombai	1.54	100.00
344	Theni	Kuchanur	0.62	100.00
345	Theni	Markayankottai	0.47	100.00
346	Theni	Odaipatti	1.08	125.00
347	Theni	Pannaipuram	0.90	75.00
348	Theni	Pudupatti	1.01	100.00

349	Theni	Thamaraikulam	1.15	100.00
350	Theni	Thenkarai	1.48	75.00
351	Theni	Thevaram	1.32	75.00
352	Theni	Uthamapalayam	2.88	175.00
353	Theni	Vadugapatti	1.04	75.00
354	Theni	Veerapandi	1.38	250.00
355	Sivagangai	Ilayangudi	1.88	150.00
356	Sivagangai	Kanadukathan	0.40	50.00
357	Sivagangai	Kandanur	0.64	50.00
358	Sivagangai	Kottaiyur	1.41	50.00
359	Sivagangai	Nattarasankottai	0.45	25.00
360	Sivagangai	Nerkuppai	0.56	25.00
361	Sivagangai	Pallathur	0.93	50.00
362	Sivagangai	Puduvayal	1.03	50.00
363	Sivagangai	Singampuneri	1.45	50.00
364	Sivagangai	Thirupuvanam	2.18	50.00
365	Sivagangai	Tirupathur	2.02	75.00
366	Ramanathapuram	Abiramam	0.74	25.00
367	Ramanathapuram	Kamuthi	1.23	75.00
368	Ramanathapuram	Mandapam	1.54	25.00
369	Ramanathapuram	Mudukulathur	1.23	25.00
370	Ramanathapuram	R.S.Mangalam	1.40	50.00
371	Ramanathapuram	Sayalgudi	1.34	75.00
372	Ramanathapuram	Thondi	1.65	50.00
373	Tirunelveli	Eruvadi	1.47	25.00
374	Tirunelveli	Manimuthar	0.87	50.00
375	Tirunelveli	Moolaikaraiatti	1.06	75.00
376	Tirunelveli	Nanguneri	0.62	75.00
377	Tirunelveli	Panagudi	2.63	125.00
378	Tirunelveli	Sankarnagar	0.61	150.00
379	Tirunelveli	Thirukkurungudi	0.73	25.00

380	Tirunelveli	Thisayanvilai	2.11	175.00
381	Tirunelveli	Vadaku Valliyur	2.66	200.00
382	Tenkasi	Achanpudur	1.08	50.00
383	Tenkasi	Alangulam	1.94	50.00
384	Tenkasi	Alwarkurichi	0.82	50.00
385	Tenkasi	Ayikudi	1.31	100.00
386	Tenkasi	Courtallam	1.67	50.00
387	Tenkasi	Ilanji	0.85	75.00
388	Tenkasi	Keelapavoor	1.86	75.00
389	Tenkasi	Melagaram	1.41	75.00
390	Tenkasi	Panpoli	0.74	50.00
391	Tenkasi	Pudur(S)	1.16	50.00
392	Tenkasi	Rayagiri	0.84	250.00
393	Tenkasi	Sambavar vadakarai	1.44	50.00
394	Tenkasi	Sivagiri	1.74	350.00
395	Tenkasi	Sundarapandiapuram	0.76	50.00
396	Tenkasi	Thiruvengadam	0.70	50.00
397	Tenkasi	Vadakarai Keelpidagai	1.78	50.00
398	Tenkasi	Vasudevanallur	1.68	350.00
399	Thoothukudi	Ettayapuram	0.95	25.00
400	Thoothukudi	Kadambur	0.32	100.00
401	Thoothukudi	Kalugumalai	1.14	100.00
402	Thoothukudi	Kanam	0.24	25.00
403	Thoothukudi	Kayathar	0.86	200.00
404	Thoothukudi	Nazareth	1.24	50.00
405	Thoothukudi	Perungulam	0.65	50.00
406	Thoothukudi	Sathankulam	1.18	50.00
407	Thoothukudi	Sawyerpuram	0.93	25.00
408	Thoothukudi	Udangudi	1.46	75.00
409	Thoothukudi	V. Pudur	0.70	75.00
410	Thoothukudi	Vilathikulam	1.34	75.00

411	Kanniyakumari	Agasteeswaram	0.78	100.00
412	Kanniyakumari	Alagappapuram	0.78	100.00
413	Kanniyakumari	Anjugramam	0.94	50.00
414	Kanniyakumari	Aralvaimozhi	2.05	100.00
415	Kanniyakumari	Arumanai	1.27	75.00
416	Kanniyakumari	Athur	0.89	100.00
417	Kanniyakumari	Azhagiapandipuram	0.88	100.00
418	Kanniyakumari	Boothapandy	1.33	125.00
419	Kanniyakumari	Edaicode	2.56	75.00
420	Kanniyakumari	Eraniel	0.86	100.00
421	Kanniyakumari	Ganapathipuram	1.16	100.00
422	Kanniyakumari	Kadayal	1.61	100.00
423	Kanniyakumari	Kaliyakkavilai	1.55	150.00
424	Kanniyakumari	Kallukuttam	1.51	100.00
425	Kanniyakumari	Kanniyakumari	1.94	50.00
426	Kanniyakumari	Kappiyarai	1.23	125.00
427	Kanniyakumari	Karungal	1.27	100.00
428	Kanniyakumari	Keezhkulam	1.67	125.00
429	Kanniyakumari	Killiyoor	1.62	150.00
430	Kanniyakumari	Kothanalloor	1.41	75.00
431	Kanniyakumari	Kottaram	0.93	75.00
432	Kanniyakumari	Kulasekaram	1.34	150.00
433	Kanniyakumari	Kumarapuram	1.14	75.00
434	Kanniyakumari	Manavalakurichy	1.06	50.00
435	Kanniyakumari	Mandaikadu	1.09	100.00
436	Kanniyakumari	Marungoor	0.92	125.00
437	Kanniyakumari	Mulagumoodu	1.50	75.00
438	Kanniyakumari	Mylaudy	0.81	100.00
439	Kanniyakumari	Nalloor	1.46	125.00
440	Kanniyakumari	Neyyoor	0.98	100.00
441	Kanniyakumari	Pacode	1.96	150.00

442	Kanniyakumari	Palapallam	1.56	100.00
443	Kanniyakumari	Palugal	1.48	150.00
444	Kanniyakumari	Ponmanai	1.40	150.00
445	Kanniyakumari	Puthalam	0.15	100.00
446	Kanniyakumari	Puthukadai	0.86	100.00
447	Kanniyakumari	Reethapuram	2.67	100.00
448	Kanniyakumari	Suchindrum	1.13	100.00
449	Kanniyakumari	Thazhakudy	0.70	75.00
450	Kanniyakumari	Thenthamaraikulam	0.94	75.00
451	Kanniyakumari	Theroor	0.60	125.00
452	Kanniyakumari	Thingalnager	1.24	100.00
453	Kanniyakumari	Thiruparappu	1.73	100.00
454	Kanniyakumari	Thiruvattar	1.45	125.00
455	Kanniyakumari	Thiruvithancode	1.54	50.00
456	Kanniyakumari	Unamalaikadai	1.91	75.00
457	Kanniyakumari	Valvachagostam	1.29	75.00
458	Kanniyakumari	Vellimalai	1.15	50.00
459	Kanniyakumari	Verkilambi	1.59	150.00
460	Kanniyakumari	Vilavoor	1.08	75.00
461	Kanniyakumari	Villukuri	1.34	50.00
		<b>Total</b>	<b>549.36374</b>	<b>38250.00</b>
<b>S. No</b>	<b>Name of the District</b>	<b>Name of the ULB</b>	<b>Quantity of Sewage (FSTP) KLD</b>	<b>Amount per outfall (In Lakh)</b>
462	Ramanathapuram	Abiramam	10	180
463	Chengalpattu	Acharapakkam	10	180
464	Kanniyakumari	Agastheeswaram	20	300
465	Namakkal	Alampalayam	15	250
466	Dindigul	Ammainaickanur	10	180
467	Theni	Andipatti Jakkampatti	15	250
468	Pudukkottai	Annavasal	10	180

469	Karur	Aravakurichi	10	180
470	Salem	Attayampatti	20	300
471	Dindigul	Ayyalur	20	300
472	Ranipet	Kalavai	10	180
473	Ramanathapuram	Kamuthi	10	180
474	Pudukkottai	Kanadukathan	10	180
475	Erode	Karumandi Chellipalayam	20	300
476	Krishnagiri	Kelamangalam	10	180
477	Tiruvannamalai	Kilpennathur	10	180
478	Salem	Kolathur	10	180
479	Tiruppur	Kunnathur	10	180
480	Mayiladudurai	Kuthalam	10	180
481	Virudhunagar	Mallankinaru	10	180
482	Salem	Mallur	10	180
483	Viluppuram	Marakkanam	15	250
484	Tiruchirappalli	Mettupalayam	10	180
485	Krishnagiri	Nagojanahalli	10	180
486	Namakkal	Namagiripettai	15	250
487	Karur	Nangavaram	15	250
488	Dindigul	Nilakottai	20	300
489	Vellore	Odugathur	10	180
490	Dharmapuri	Palakkodu	15	250
491	Ranipet	Panapakkam	10	180
492	Dharmapuri	Papparapatti	10	180
493	Dharmapuri	Pappireddipatti	10	180
494	Madurai	Paravai	15	250
495	Thanjavur	Peravurani	15	250
496	Kanniyakumari	Ponmani	10	180
497	Pudukkottai	Ponnamaravathi	10	180
498	Perambalur	Poolambadi	15	250

499	Tiruvannamalai	Pudupalayam	10	180
500	Sivaganga	Puduvayal	20	300
501	Namakkal	Namagiripettai	10	180
502	Tenkasi	Aygudi	15	250
503	Virudhunagar	Seithur	20	300
504	Madurai	Sholavandan	15	250
505	Madurai	T.kallupatti	15	250
506	Mayiladudurai	Tharangambadi	15	250
507	Tiruchirappalli	Thathaiyangarpet	10	180
508	Salem	Thedavur	15	250
509	Coimbatore	Thirumalayampalayam	15	250
510	Sivaganga	Thirupuvanam	15	250
511	Thanjavur	Thiruvaiyaru	15	250
512	Tirunelveli	Thisayanvilai	15	250
513	Ramanathapuram	Thondi	10	180
514	Chengalpattu	Tirukalukundram	15	250
515	Karur	Uppidamangalam	10	180
516	Krishnagiri	Uthangarai	10	180
517	Kancheepuram	Uthiramerur	15	250
518	Erode	Uthukuli	10	180
519	Thoothukkudi	V. Pudur	10	180
520	Virudhunagar	V.Pudupatti	20	300
521	Tirunelveli	Vadakkuvalliyur	20	300
522	Madurai	Vadipatti	15	250
523	Ariyalur	Varadarajanpettai	10	180
524	Salem	Vazhapadi	15	250
525	Dindigul	Vedasandur	15	250
526	Salem	Veeraganur	10	180
527	The Nilgiris	Adikaratti	10	180
528	Madurai	Alanganallur	10	180

529	Pudukkottai	Alangudi	10	180
530	Tenkasi	Alangulam	15	250
531	Coimbatore	Alanthurai	10	180
532	Thoothukkudi	Alwarthirunagiri	10	180
533	Erode	Ammapettai	10	180
534	Thanjavur	Ammapettai	10	180
535	Coimbatore	Anaimalai	10	180
536	Viluppuram	Ananthapuram	10	180
537	Tiruppur	Annur	15	250
538	Erode	Anthiyur	15	250
539	Erode	Appakudal	10	180
540	Erode	Arachalur	10	180
541	Kallakurichi	Arakandanallur	10	180
542	Kanniyakumari	Aralvaimozhi	15	250
543	Thiruvallur	Arani	10	180
544	Pudukkottai	Arimalam	10	180
545	Kanniyakumari	Arumanai	10	180
546	Thoothukkudi	Arumuganeri	15	250
547	Erode	Athani	10	180
548	Thoothukkudi	Athur	10	180
549	Erode	Avalpoondurai	10	180
550	Tiruppur	Avanashi	15	250
551	Dindigul	Ayyampalayam	10	180
552	Thanjavur	Ayyampettai	10	180
553	Kanniyakumari	Azhagiapandipuram	10	180
554	Dharmapuri	B.Mallapuram	10	180
555	Tiruchirappalli	Balakrishnampatti	10	180
556	Krishnagiri	Bargur	10	180
557	Erode	Bhavanisagar	10	180
558	The Nilgiris	Bikketti	10	180

559	Kanniyakumari	Boothapandi	10	180
560	Erode	Chennasamudram	10	180
561	Erode	Chennimalai	10	180
562	Tirunelveli	Cheranmadevi	10	180
563	Tiruvannamalai	Chetpet	10	180
564	Coimbatore	Chettipalayam	10	180
565	Tiruppur	Chinnakkampalayam	10	180
566	Dindigul	Chinnalapatti	15	250
567	Kallakurichi	Chinnasalem	15	250
568	Erode	Chithode	10	180
569	Thanjavur	Cholapuram	10	180
570	Krishnagiri	Denkanikottai	15	250
571	Tiruvannamalai	Desur	10	180
572	The Nilgiris	Devarshola	15	250
573	Tiruppur	Dhali	10	180
574	Coimbatore	Dhaliyur	10	180
575	Kanniyakumari	Edaicode	15	250
576	Chengalpattu	Edakalinadu	15	250
577	Erode	Elathur	10	180
578	Madurai	Elumalai	10	180
579	Thoothukkudi	Eral	10	180
580	Dindigul	Eriodu	10	180
581	Namakkal	Erumaipatti	10	180
582	Salem	Ethapur	10	180
583	Thoothukkudi	Ettayapuram	10	180
584	Kanniyakumari	Ganapathipuram	10	180
585	Cuddalore	Gangaikondan	10	180
586	Theni	Ganguvarpatti	10	180
587	Viluppuram	Gingee	15	250
588	Tirunelveli	Gopalamudram	10	180

589	Thiruvallur	Gummidipoondi	10	180
590	Dharmapuri	Harur	15	250
591	Theni	Highways	10	180
592	The Nilgiris	Huligal	10	180
593	Sivaganga	Ilayangudi	15	250
594	Pudukkottai	Iluppur	10	180
595	Thoothukkudi	Kadambur	10	180
596	Dharmapuri	Kadathur	10	180
597	Kanniyakumari	Kadayal	15	250
598	Salem	Kadayampatti	10	180
599	Tiruvannamalai	Kalambur	10	180
600	Namakkal	Kalappanaickenpatti	10	180
601	Tiruchirappalli	Kallakudi	10	180
602	Tenkasi	Kalugumalai	10	180
603	Dharmapuri	Kambainallur	10	180
604	Thoothukkudi	Kanam	10	180
605	Tiruppur	Kaniyur	10	180
606	Erode	Kanjikoil	10	180
607	Vellore	Kannamangalam	10	180
608	Dindigul	Kannivadi	10	180
609	Tiruppur	Kannivadi	10	180
610	Pudukkottai	Karambakkudi	10	180
611	Virudhunagar	Kariapatti	10	180
612	Erode	Kasipalayam	10	180
613	Cuddalore	Kattumannarkoil	15	250
614	Tiruchirappalli	Kattuputhur	10	180
615	Ranipet	Kaveripakkam	10	180
616	Thoothukkudi	Kayatharu	10	180
617	Pudukkottai	Keeramangalam	10	180
618	Dindigul	Keeranur	10	180

619	Pudukkottai	Keeranur	10	180
620	Namakkal	Keeripatti	10	180
621	Kanniyakumari	Keezhkulam	10	180
622	Erode	Kilampadi	10	180
623	Tenkasi	Kilapavoor	15	250
624	The Nilgiris	Kilkunda	10	180
625	Cuddalore	Killai	10	180
626	Nagapattinam	Kilvelur	10	180
627	Coimbatore	Kinathukadavu	10	180
628	Thiruvarur	Kodavasal	10	180
629	Erode	Kodumudi	10	180
630	Erode	Kolappalur	10	180
631	Erode	Kollankoil	10	180
632	Tiruppur	Komaralingam	10	180
633	Theni	Kombai	10	180
634	Tiruchirappalli	Koothappar	10	180
635	The Nilgiris	Kotagiri	15	250
636	Coimbatore	Kottur	15	250
637	Karur	Krishnarayapuram	10	180
638	Erode	Kuhalur	10	180
639	Cuddalore	Kurinjipadi	15	250
640	Perambalur	Labbaikudikadu	10	180
641	Erode	Lakkampatti	10	180
642	Cuddalore	Lalpet	10	180
643	Tiruppur	Madathukulam	15	250
644	Thanjavur	Madukkur	10	180
645	Mayiladudurai	Manalmedu	10	180
646	Kallakurichi	Manalurpet	10	180
647	Ramanathapuram	Mandapam	10	180
648	Cuddalore	Mangalampet	10	180

649	Krishnagiri	Marandahalli	10	180
650	Salem	Mecheri	15	250
651	Tirunelveli	Melacheval	10	180
652	Thanjavur	Melattur	10	180
653	Thiruvallur	Minjur	15	250
654	Karur	Mohanur	10	180
655	Tirunelveli	Moolakaraipatti	10	180
656	Tiruppur	Mopperipalayam	10	180
657	Tirunelveli	Mukkudal	10	180
658	Tiruppur	Mulanur	10	180
659	Thiruvarur	Muthupet	15	250
660	Tiruppur	Muthur	10	180
661	The Nilgiris	Naduvattam	10	180
662	Erode	Nallampatti	10	180
663	Erode	Nambiyur	10	180
664	Salem	Nangavalli	10	180
665	Tirunelveli	Nanguneri	10	180
666	Thiruvarur	Nannilam	10	180
667	Erode	Nasiyanur	10	180
668	Dindigul	Natham	15	250
669	Tirupattur	Natrampalli	10	180
670	Sivaganga	Nattarasankottai	10	180
671	Thoothukkudi	Nazerath	10	180
672	Thiruvarur	Needamangalam	10	180
673	Ranipet	Nemili	10	180
674	Sivaganga	Nerkuppai	10	180
675	Salem	Nerunjipttai	10	180
676	The Nilgiris	O' Valley	15	250
677	Coimbatore	Odaiyakulam	10	180
678	Erode	Olagadam	10	180

679	Salem	Omalur	10	180
680	Coimbatore	Othakalmandapam	10	180
681	Karur	P.J. Cholapuram	10	180
682	Erode	P.Mettupalayam	10	180
683	Namakkal	Padaiveedu	10	180
684	Madurai	Palamedu	10	180
685	Dindigul	Palayam	10	180
686	Erode	Pallapalayam	10	180
687	Vellore	Pallikonda	15	250
688	Thiruvallur	Pallipattu	10	180
689	Kanniyakumari	Palugal	10	180
690	Namakkal	Pandamangalam	10	180
691	Dindigul	Pannaikadu	10	180
692	Theni	Pannaipuram	10	180
693	Thanjavur	Papanasam	10	180
694	Namakkal	Paramathi	10	180
695	Cuddalore	Parangipettai	15	250
696	Erode	Pasur	10	180
697	Tirunelveli	Pathamadai	10	180
698	Dindigul	Pattiveeranpatti	10	180
699	Vellore	Pennathur	10	180
700	Thiruvarur	Peralam	10	180
701	Tiruvannamalai	Peranamallur	10	180
702	Coimbatore	Periya Negamam	10	180
703	Thanjavur	Perumagalur	10	180
704	Thoothukkudi	Perungulam	10	180
705	Tiruvannamalai	Polur	15	250
706	Tiruchirappalli	Ponnampatti	10	180
707	Coimbatore	Pooluvapatti	10	180
708	Thiruvallur	Pothatturpettai	15	250

709	Tiruchirappalli	Pullampadi	10	180
710	Tiruchirappalli	Puvalur	10	180
711	Ramanathapuram	R.S.Mangalam	10	180
712	Tenkasi	Rayagiri	10	180
713	Tiruppur	Rudravathi	10	180
714	Erode	Salangapalayam	10	180
715	Tiruppur	Samalapuram	15	250
716	Tiruppur	Sankaramanallur	10	180
717	Kallakurichi	Sankarapuram	10	180
718	Salem	Sankari	15	250
719	Coimbatore	Sarcarsamakulam	10	180
720	Thoothukkudi	Sathankulam	10	180
721	Ramanathapuram	Sayalgudi	10	180
722	Thoothukkudi	Sayapuram	10	180
723	Namakkal	Senthamangalam	10	180
724	Salem	Sentharapatti	10	180
725	Cuddalore	Sethiathoppu	10	180
726	The Nilgiris	Sholur	10	180
727	Sivaganga	Singampuneri	10	180
728	Dindigul	Sithayankottai	10	180
729	Erode	Sivagiri	10	180
730	Tenkasi	Sivagiri	15	250
731	Cuddalore	Srimushnam	10	180
732	Dindigul	Srirampuram	10	180
733	Thoothukkudi	Srivaikuntam	10	180
734	Thanjavur	Swamimalai	10	180
735	Dindigul	Thadikombu	10	180
736	Ranipet	Thakkolam	10	180
737	Nagapattinam	Thalainayar	10	180
738	Salem	Thammampatti	15	250

739	Kanniyakumari	Thazhakudy	10	180
740	Coimbatore	Thenkarai	10	180
741	Thoothukkudi	Thenthiruperai	10	180
742	Theni	Thevaram	10	180
743	Erode	Thevur	10	180
744	Kallakurichi	Thiagadurgam	10	180
745	Kanniyakumari	Thirparappu	15	250
746	Tirunelveli	Thirukarungudi	10	180
747	Thanjavur	Thirukkattupalli	10	180
748	Thanjavur	Thiruppanandal	10	180
749	Vellore	Thiruvalam	10	180
750	Tenkasi	Thiruvenkadam	10	180
751	Kallakurichi	Thiruvonnainallur	10	180
752	Coimbatore	Thondamuthur	10	180
753	Tiruchirappalli	Thottiyam	10	180
754	Ranipet	Timiri	10	180
755	Sivaganga	Tirupathur	15	250
756	Thoothukkudi	Udangudi	10	180
757	Erode	Unjalur	10	180
758	Tiruchirappalli	Uppiliapuram	10	180
759	Tirupattur	Uthayendram	10	180
760	Thiruvallur	Uthukkottai	10	180
761	Kallakurichi	Vadakkanandal	15	250
762	Erode	Vadugapatti	10	180
763	Thiruvarur	Valangaiman	10	180
764	Salem	Vanavasi	10	180
765	Erode	Vaniputhur	10	180
766	Tirunelveli	Veeravanallur	10	180
767	Kanniyakumari	Vellimalai	10	180
768	Erode	Vellottamparappu	10	180

769	Erode	Vengampudur	10	180
770	Namakkal	Venkarai	10	180
771	Coimbatore	Vettaikaranpudur	10	180
772	Tiruvannamalai	Vettavalam	10	180
773	Viluppuram	Vikravandi	10	180
774	Ranipet	Vilapakkam	10	180
775	Thoothukkudi	Vilathikulam	10	180
776	Kancheepuram	Walajabad	10	180
		<b>Total</b>	<b>3545</b>	<b>62050</b>
		<b>Grand Total</b>	<b>552.91 MLD</b>	<b>1003.00</b>

Table 3 Polluted River Stretches

Sl. No.	Location	Capacity of the plant in MLD	Cost in Cr	Fund Source
1	Mukkudal	1.50	0.26	SBM 2.0
2	Goplasamudram	1.40	0.595	SBM 2.0
3	Kallidaikurichi	3.09	3.2	SBM 2.0
4	Cheranmahadevi	1.97	0.407	SBM 2.0
5	Veeravanallur	2.79	0.917	SBM 2.0
6	Patthamadai	1.61	0.28	SBM 2.0
7	Mela Seval	0.53	0.407	SBM 2.0
8	Naranammalpuram	0.01	0.1	SBM 2.0
	<b>Total</b>	<b>12.9</b>	<b>6.16</b>	

## Proposed Infrastructures for Grey Water Management of Village Panchayats

### Table 1 Individual Soak pit

S. No	Location	Capacity (in MLD)	Estimate Cost in lakhs	Fund Source
1	Ariyalur	1.66	1324.8	MGNREGS
2	Chengalpet	2.98	2380.32	MGNREGS
3	Coimbatore	1.92	1535.52	MGNREGS
4	Cuddalore	5.69	4552.8	MGNREGS
5	Dharmapuri	2.08	1660.8	MGNREGS
6	Dindigul	2.53	2021.28	MGNREGS
7	Erode	1.85	1477.92	MGNREGS
8	Kallakurichi	3.42	2739.84	MGNREGS
9	Kancheepuram	2.26	1805.28	MGNREGS
10	Kannyakumari	0.76	604.32	MGNREGS
11	Karur	1.28	1024.8	MGNREGS
12	Krishnagiri	2.75	2200.32	MGNREGS
13	Madurai	3.49	2793.6	MGNREGS
14	Mayiladuthurai	1.58	1265.28	MGNREGS
15	Nagapattinam	1.99	1588.8	MGNREGS
16	Namakkal	2.68	2141.76	MGNREGS
17	Perambalur	0.99	792	MGNREGS
18	Pudukottai	4.13	3305.76	MGNREGS
19	Ramnad	3.56	2848.8	MGNREGS
20	Ranipet	2.38	1900.32	MGNREGS
21	Salem	3.20	2558.4	MGNREGS
22	Sivagangai	4.85	3880.8	MGNREGS
23	Tenkasi	1.82	1457.76	MGNREGS
24	Thanjavur	4.91	3928.8	MGNREGS
25	The Nilgiris	0.26	208.8	MGNREGS
26	Theni	1.06	844.32	MGNREGS
27	Thoothukudi	1.72	1373.28	MGNREGS
28	Tiruchirappalli	3.35	2681.76	MGNREGS
29	Tirunelveli	3.35	2681.76	MGNREGS
30	Tirupattur	1.69	1349.76	MGNREGS
31	Tiruppur	2.20	1756.8	MGNREGS
32	Tiruvallur	4.38	3507.84	MGNREGS
33	Tiruvannamalai	7.18	5740.8	MGNREGS
34	Tiruvarur	3.58	2860.32	MGNREGS
35	Vellore	2.05	1636.8	MGNREGS
36	Villupuram	5.73	4587.84	MGNREGS
37	Virudhunagar	3.72	2979.84	MGNREGS
<b>TOTAL</b>		<b>105</b>	<b>84,000</b>	

Table 2 Community soak pit

S. No	Location	Capacity (in MLD)	Estimate Cost in lakhs	Fund Source
1	Ariyalur	0.6304	228.52	SBM (G), 15 <sup>th</sup> FC, MGNREGS
2	Chengalpet	1.1376	412.38	SBM (G), 15 <sup>th</sup> FC, MGNREGS
3	Coimbatore	0.7136	258.68	SBM (G), 15 <sup>th</sup> FC, MGNREGS
4	Cuddalore	2.1632	784.16	SBM (G), 15 <sup>th</sup> FC, MGNREGS
5	Dharmapuri	0.7904	286.52	SBM (G), 15 <sup>th</sup> FC, MGNREGS
6	Dindigul	0.9664	350.32	SBM (G), 15 <sup>th</sup> FC, MGNREGS
7	Erode	0.7104	257.52	SBM (G), 15 <sup>th</sup> FC, MGNREGS
8	Kallakurichi	1.304	472.7	SBM (G), 15 <sup>th</sup> FC, MGNREGS
9	Kancheepuram	0.8656	313.78	SBM (G), 15 <sup>th</sup> FC, MGNREGS
10	Kanyakumari	0.2944	106.72	SBM (G), 15 <sup>th</sup> FC, MGNREGS
11	Karur	0.4896	177.48	SBM (G), 15 <sup>th</sup> FC, MGNREGS
12	Krishnagiri	1.0544	382.22	SBM (G), 15 <sup>th</sup> FC, MGNREGS
13	Madurai	1.3328	483.14	SBM (G), 15 <sup>th</sup> FC, MGNREGS
14	Mayiladuthurai	0.6096	220.98	SBM (G), 15 <sup>th</sup> FC, MGNREGS
15	Nagapattinam	0.7616	276.08	SBM (G), 15 <sup>th</sup> FC, MGNREGS
16	Namakkal	1.016	368.3	SBM (G), 15 <sup>th</sup> FC, MGNREGS
17	Perambalur	0.3776	136.88	SBM (G), 15 <sup>th</sup> FC, MGNREGS
18	Pudukottai	1.576	571.3	SBM (G), 15 <sup>th</sup> FC, MGNREGS
19	Ramnad	1.3616	493.58	SBM (G), 15 <sup>th</sup> FC, MGNREGS
20	Ranipet	0.9056	328.28	SBM (G), 15 <sup>th</sup> FC, MGNREGS
21	Salem	1.2176	441.38	SBM (G), 15 <sup>th</sup> FC, MGNREGS
22	Sivagangai	1.8464	669.32	SBM (G), 15 <sup>th</sup> FC, MGNREGS
23	Tenkasi	0.6912	250.56	SBM (G), 15 <sup>th</sup> FC, MGNREGS
24	Thanjavur	1.8688	677.44	SBM (G), 15 <sup>th</sup> FC, MGNREGS
25	The Nilgiris	0.1008	36.54	SBM (G), 15 <sup>th</sup> FC, MGNREGS
26	Theni	0.4032	146.16	SBM (G), 15 <sup>th</sup> FC, MGNREGS
27	Thoothukudi	0.6512	236.06	SBM (G), 15 <sup>th</sup> FC, MGNREGS
28	Tiruchirappalli	1.2752	462.26	SBM (G), 15 <sup>th</sup> FC, MGNREGS
29	Tirunelveli	1.2768	462.84	SBM (G), 15 <sup>th</sup> FC, MGNREGS
30	Tirupattur	0.64	232	SBM (G), 15 <sup>th</sup> FC, MGNREGS
31	Tiruppur	0.8304	301.02	SBM (G), 15 <sup>th</sup> FC, MGNREGS
32	Tiruvallur	1.6688	604.94	SBM (G), 15 <sup>th</sup> FC, MGNREGS
33	Tiruvannamalai	2.7296	989.48	SBM (G), 15 <sup>th</sup> FC, MGNREGS
34	Tiruvarur	1.3568	491.84	SBM (G), 15 <sup>th</sup> FC, MGNREGS
35	Vellore	0.7776	281.88	SBM (G), 15 <sup>th</sup> FC, MGNREGS
36	Villupuram	2.1776	789.38	SBM (G), 15 <sup>th</sup> FC, MGNREGS
37	Virudhunagar	1.4272	517.36	SBM (G), 15 <sup>th</sup> FC, MGNREGS
<b>TOTAL</b>		<b>40</b>	<b>14,500</b>	

Table 3 Vertical Filter Type

S. No	Location	Capacity (in MLD)	Estimate Cost in lakhs	Fund Source
1	Ariyalur	0.705	198.81	SBM (G), 15 <sup>th</sup> FC, MGNREGS
2	Chengalpet	0.41	115.62	SBM (G), 15 <sup>th</sup> FC, MGNREGS
3	Coimbatore	1.175	331.35	SBM (G), 15 <sup>th</sup> FC, MGNREGS
4	Cuddalore	0.645	181.89	SBM (G), 15 <sup>th</sup> FC, MGNREGS
5	Dharmapuri	0.45	126.9	SBM (G), 15 <sup>th</sup> FC, MGNREGS
6	Dindigul	1.645	463.89	SBM (G), 15 <sup>th</sup> FC, MGNREGS
7	Erode	0.765	215.73	SBM (G), 15 <sup>th</sup> FC, MGNREGS
8	Kallakurichi	2.185	616.17	SBM (G), 15 <sup>th</sup> FC, MGNREGS
9	Kancheepuram	0.455	128.31	SBM (G), 15 <sup>th</sup> FC, MGNREGS
10	Kanyakumari	0.14	39.48	SBM (G), 15 <sup>th</sup> FC, MGNREGS
11	Karur	0.845	238.29	SBM (G), 15 <sup>th</sup> FC, MGNREGS
12	Krishnagiri	0.525	148.05	SBM (G), 15 <sup>th</sup> FC, MGNREGS
13	Madurai	2.705	762.81	SBM (G), 15 <sup>th</sup> FC, MGNREGS
14	Mayiladuthurai	0.16	45.12	SBM (G), 15 <sup>th</sup> FC, MGNREGS
15	Nagapattinam	0.16	45.12	SBM (G), 15 <sup>th</sup> FC, MGNREGS
16	Namakkal	1.305	368.01	SBM (G), 15 <sup>th</sup> FC, MGNREGS
17	Perambalur	0.11	31.02	SBM (G), 15 <sup>th</sup> FC, MGNREGS
18	Pudukottai	1.135	320.07	SBM (G), 15 <sup>th</sup> FC, MGNREGS
19	Ramnad	1.975	556.95	SBM (G), 15 <sup>th</sup> FC, MGNREGS
20	Ranipet	0.305	86.01	SBM (G), 15 <sup>th</sup> FC, MGNREGS
21	Salem	2.82	795.24	SBM (G), 15 <sup>th</sup> FC, MGNREGS
22	Sivagangai	0.715	201.63	SBM (G), 15 <sup>th</sup> FC, MGNREGS
23	Tenkasi	0.52	146.64	SBM (G), 15 <sup>th</sup> FC, MGNREGS
24	Thanjavur	0.965	272.13	SBM (G), 15 <sup>th</sup> FC, MGNREGS
25	The Nilgiris	1.02	287.64	SBM (G), 15 <sup>th</sup> FC, MGNREGS
26	Theni	0.385	108.57	SBM (G), 15 <sup>th</sup> FC, MGNREGS
27	Thoothukudi	0.97	273.54	SBM (G), 15 <sup>th</sup> FC, MGNREGS
28	Tiruchirappalli	0.575	162.15	SBM (G), 15 <sup>th</sup> FC, MGNREGS
29	Tirunelveli	0.39	109.98	SBM (G), 15 <sup>th</sup> FC, MGNREGS
30	Tirupattur	0.195	54.99	SBM (G), 15 <sup>th</sup> FC, MGNREGS
31	Tiruppur	1.295	365.19	SBM (G), 15 <sup>th</sup> FC, MGNREGS
32	Tiruvallur	1.2	338.4	SBM (G), 15 <sup>th</sup> FC, MGNREGS
33	Tiruvannamalai	1.52	428.64	SBM (G), 15 <sup>th</sup> FC, MGNREGS
34	Tiruvarur	0.87	245.34	SBM (G), 15 <sup>th</sup> FC, MGNREGS
35	Vellore	0.49	138.18	SBM (G), 15 <sup>th</sup> FC, MGNREGS
36	Villupuram	1.835	517.47	SBM (G), 15 <sup>th</sup> FC, MGNREGS
37	Virudhunagar	0.76	214.32	SBM (G), 15 <sup>th</sup> FC, MGNREGS
<b>TOTAL</b>		<b>34.33</b>	<b>9,680</b>	

Table 4 Horizontal Filter Type

S. No	Location	Capacity (in MLD)	Estimate Cost in lakhs	Fund Source
1	Ariyalur	1.045	317.68	SBM (G), 15th FC, MGNREGS
2	Chengalpet	0.11	33.44	SBM (G), 15th FC, MGNREGS
3	Coimbatore	1.155	351.12	SBM (G), 15th FC, MGNREGS
4	Cuddalore	0.965	293.36	SBM (G), 15th FC, MGNREGS
5	Dharmapuri	0.025	7.6	SBM (G), 15th FC, MGNREGS
6	Dindigul	0.88	267.52	SBM (G), 15th FC, MGNREGS
7	Erode	0.765	232.56	SBM (G), 15th FC, MGNREGS
8	Kallakurichi	0.845	256.88	SBM (G), 15th FC, MGNREGS
9	Kancheepuram	0.4	121.6	SBM (G), 15th FC, MGNREGS
10	Kanyakumari	0.35	106.4	SBM (G), 15th FC, MGNREGS
11	Karur	0.33	100.32	SBM (G), 15th FC, MGNREGS
12	Krishnagiri	0.26	79.04	SBM (G), 15th FC, MGNREGS
13	Madurai	0.355	107.92	SBM (G), 15th FC, MGNREGS
14	Mayiladuthurai	0.355	107.92	SBM (G), 15th FC, MGNREGS
15	Nagapattinam	0.02	6.08	SBM (G), 15th FC, MGNREGS
16	Namakkal	0.155	47.12	SBM (G), 15th FC, MGNREGS
17	Perambalur	1.43	434.72	SBM (G), 15th FC, MGNREGS
18	Pudukottai	0.515	156.56	SBM (G), 15th FC, MGNREGS
19	Ramnad	2.34	711.36	SBM (G), 15th FC, MGNREGS
20	Ranipet	0.355	107.92	SBM (G), 15th FC, MGNREGS
21	Salem	1.08	328.32	SBM (G), 15th FC, MGNREGS
22	Sivagangai	0.08	24.32	SBM (G), 15th FC, MGNREGS
23	Tenkasi	0.465	141.36	SBM (G), 15th FC, MGNREGS
24	Thanjavur	0.31	94.24	SBM (G), 15th FC, MGNREGS
25	The Nilgiris	1.685	512.24	SBM (G), 15th FC, MGNREGS
26	Theni	0.36	109.44	SBM (G), 15th FC, MGNREGS
27	Thoothukudi	0.395	120.08	SBM (G), 15th FC, MGNREGS
28	Tiruchirappalli	0.695	211.28	SBM (G), 15th FC, MGNREGS
29	Tirunelveli	0.285	86.64	SBM (G), 15th FC, MGNREGS
30	Tirupattur	0.06	18.24	SBM (G), 15th FC, MGNREGS
31	Tiruppur	0.345	104.88	SBM (G), 15th FC, MGNREGS
32	Tiruvallur	0.18	54.72	SBM (G), 15th FC, MGNREGS
33	Tiruvannamalai	1.39	422.56	SBM (G), 15th FC, MGNREGS
34	Tiruvarur	0.08	24.32	SBM (G), 15th FC, MGNREGS
35	Vellore	0.665	202.16	SBM (G), 15th FC, MGNREGS
36	Villupuram	0.435	132.24	SBM (G), 15th FC, MGNREGS
37	Virudhunagar	0.925	281.2	SBM (G), 15th FC, MGNREGS
<b>TOTAL</b>		<b>22.09</b>	<b>6,715</b>	

**Table 5 Other GWM Systems (Phytorid, Waste Stabilization Pond, Root Zone Treatment System, Soil Bio Technolgy etc.,)**

<b>S. No</b>	<b>Location</b>	<b>Capacity (in MLD)</b>	<b>Estimate Cost in lakhs</b>	<b>Fund source</b>
1	Ariyalur	0.07	50	SBM (G), 15 <sup>th</sup> FC
2	Chengalpet	0.14	100	SBM (G), 15 <sup>th</sup> FC
3	Coimbatore	0.14	100	SBM (G), 15 <sup>th</sup> FC
4	Cuddalore	0.07	50	SBM (G), 15 <sup>th</sup> FC
5	Dharmapuri	0.07	50	SBM (G), 15 <sup>th</sup> FC
6	Dindigul	0.14	100	SBM (G), 15 <sup>th</sup> FC
7	Erode	0.14	100	SBM (G), 15 <sup>th</sup> FC
8	Kancheepuram	0.14	100	SBM (G), 15 <sup>th</sup> FC
9	Karur	0.14	100	SBM (G), 15 <sup>th</sup> FC
10	Krishnagiri	0.07	50	SBM (G), 15 <sup>th</sup> FC
11	Madurai	0.14	100	SBM (G), 15 <sup>th</sup> FC
12	Namakkal	0.14	100	SBM (G), 15 <sup>th</sup> FC
13	Ramnad	0.07	50	SBM (G), 15 <sup>th</sup> FC
14	Ranipet	0.14	100	SBM (G), 15 <sup>th</sup> FC
15	Salem	0.21	150	SBM (G), 15 <sup>th</sup> FC
16	Sivagangai	0.14	100	SBM (G), 15 <sup>th</sup> FC
17	Thanjavur	0.07	50	SBM (G), 15 <sup>th</sup> FC
18	Theni	0.14	100	SBM (G), 15 <sup>th</sup> FC
19	Thoothukudi	0.14	100	SBM (G), 15 <sup>th</sup> FC
20	Tiruchirappalli	0.14	100	SBM (G), 15 <sup>th</sup> FC
21	Tirunelveli	0.07	50	SBM (G), 15 <sup>th</sup> FC
22	Tirupattur	0.07	50	SBM (G), 15 <sup>th</sup> FC
23	Tiruppur	0.14	100	SBM (G), 15 <sup>th</sup> FC
24	Tiruvallur	0.14	100	SBM (G), 15 <sup>th</sup> FC
25	Tiruvannamalai	0.07	50	SBM (G), 15 <sup>th</sup> FC
26	Vellore	0.07	50	SBM (G), 15 <sup>th</sup> FC
27	Villupuram	0.07	50	SBM (G), 15 <sup>th</sup> FC
28	Virudhunagar	0.07	50	SBM (G), 15 <sup>th</sup> FC
<b>TOTAL</b>		<b>3.15</b>	<b>2,250</b>	

Table 1 UGSS (Under Implementation)

Sl.No	Location	Cost in Crore	Source of fund
1	Chennai CMWSSB (Nerkundram, Manali, Chinnasekkadu, Karambakkam and Manapakkam, Mugalivakkam, Ramapuram, Pallikaranai)	748.60	AMRUT 2.0/ Chennai Megacity Development Mission (CMCDM)
2	Ambur	165.55	AMRUT 2.0/ Asian Development Bank (ADB)
3	Rameshwaram	52.60	AMRUT 2.0
4	Vellore	637.46	AMRUT 2.0/ ADB
5	Ponneri	54.78	Integrated Urban Development Mission (IUDM)
6	Pammal & Anagaputhur	211.15	CRRT (Chennai River Restoration Trust)
7	Tindivanam	268.00	IUDM/ HUDCO loan
8	Villupuram Added area	263.00	IUDM/ HUDCO loan
	<b>Total</b>	<b>2401.14</b>	

Table 2 UGSS (Sanctioned)

Sl.No.	Location	Cost in Crore	Source of fund
1	Chennai CMWSSB (Madipakkam, Okkium- Thoraipakkam, Nandambakkam, Kottivakkam, Palavakkam, Neelankarai, Injambakkam, Uthandi, Thousand Light – Area IX, Left out areas of Madhavaram GCC, Vadaperumbakkam, Theeyambakkam, Puzhal and Mathur GCC, Edyanchavadi, Sadayankuppam, Kadapakkam, Semmencheri, Annai Sathiya Nagar, Sivanandha Colony, MKB Colony and Patavatamman Industrial Estate and Tiny shed in GCC)	2445.24	External Aided Projects (EAP)/ MIDF / Singara Chennai
2	Salem	548.00	AMRUT 2.0/EAP
3	Coimbatore (Left out area earst while corporation, added areas of	1317.14	AMRUT 2.0/EAP

Sl.No.	Location	Cost in Crore	Source of fund
	Gowdampalayam, Vadavalli, Thudiyalur, Veerakeralam, Vellakinaru, Chinnavedanpatti, Saravanampatti		
4	Trichy	180.00	AMRUT 2.0/ EAP
5	Thoothukudi	150.00	AMRUT 2.0/ EAP
6	Tiruppur	200.00	AMRUT 2.0/ EAP
7	Cuddalore	100.00	AMRUT 2.0/ EAP
8	Pudukottai	60.00	AMRUT 2.0/ EAP
9	Avadi	150.00	AMRUT 2.0/ EAP
10	Karaikudi	66.00	AMRUT 2.0/ EAP
11	Dindigul	80.00	AMRUT 2.0/ EAP
12	Hosur	575.38	AMRUT 2.0/ EAP
13	Thiruvannamalai	142.75	AMRUT 2.0/ EAP
14	Madurai Corporation	515.00	AMRUT 2.0/ EAP
	<b>Total</b>	<b>6529.51</b>	

V. Irai Anbu  
Chief Secretary to Government

/True Copy/

*Munickann Karasani*  
Joint Secretary to Government  
Municipal Administration and  
Water Supply Department,  
Secretariat, Chennai - 600 009.