



Draft State Investment Plan for FSM

December 2018

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STATE INVESTMENT PLAN FOR FSM

1. Background

The Government of Tamil Nadu (GoTN) has been a pioneer in recognising and responding to the challenge of urban sanitation. The Chief Minister has announced the Tamil Nadu Sanitation Mission to address sanitation issues in coming years. The 'Namma Toilet' ('Our own Toilet') scheme was implemented by the state, and Septage Management Operative Guidelines were issued in September 2014 to strengthen the Mission's target. A state-level strategy along with this State Investment Plan has been prepared for state-wide implementation of Fecal Sludge Management (FSM).

2. Components of State Investment Plan

The following have been included in the State Investment Plan

No.	Value Chain	Item	CAPEX	OPEX
1	Access	Construction of Toilets	Household, with support from govt.	Household
2	Safe Containment	Construction of Septic Tanks	Household with support from govt.	Household
3	Conveyance	De-sludging Trucks	Private Sector	Private Sector
4	Treatment	FSTPs	Govt.	Govt./ User
5	Treatment	Decanting stations	Govt.	Govt. / User

Source: TNUSSP Analysis, 2018

It is envisaged that the construction of toilets and septic tanks will be financed by households, while the private sector will be responsible for financing de-sludging trucks. The state and the Urban Local Body (ULB) will be primary financiers for decanting stations and Fecal Sludge Treatment Plants (FSTPs).

This note focusses on the investments required from the government. The note does not include the investment required for Chennai as the administration of Chennai does not fall under either the Commissionerate of Municipal Administration (CMA) or the Directorate of Town Panchayats (DTP).

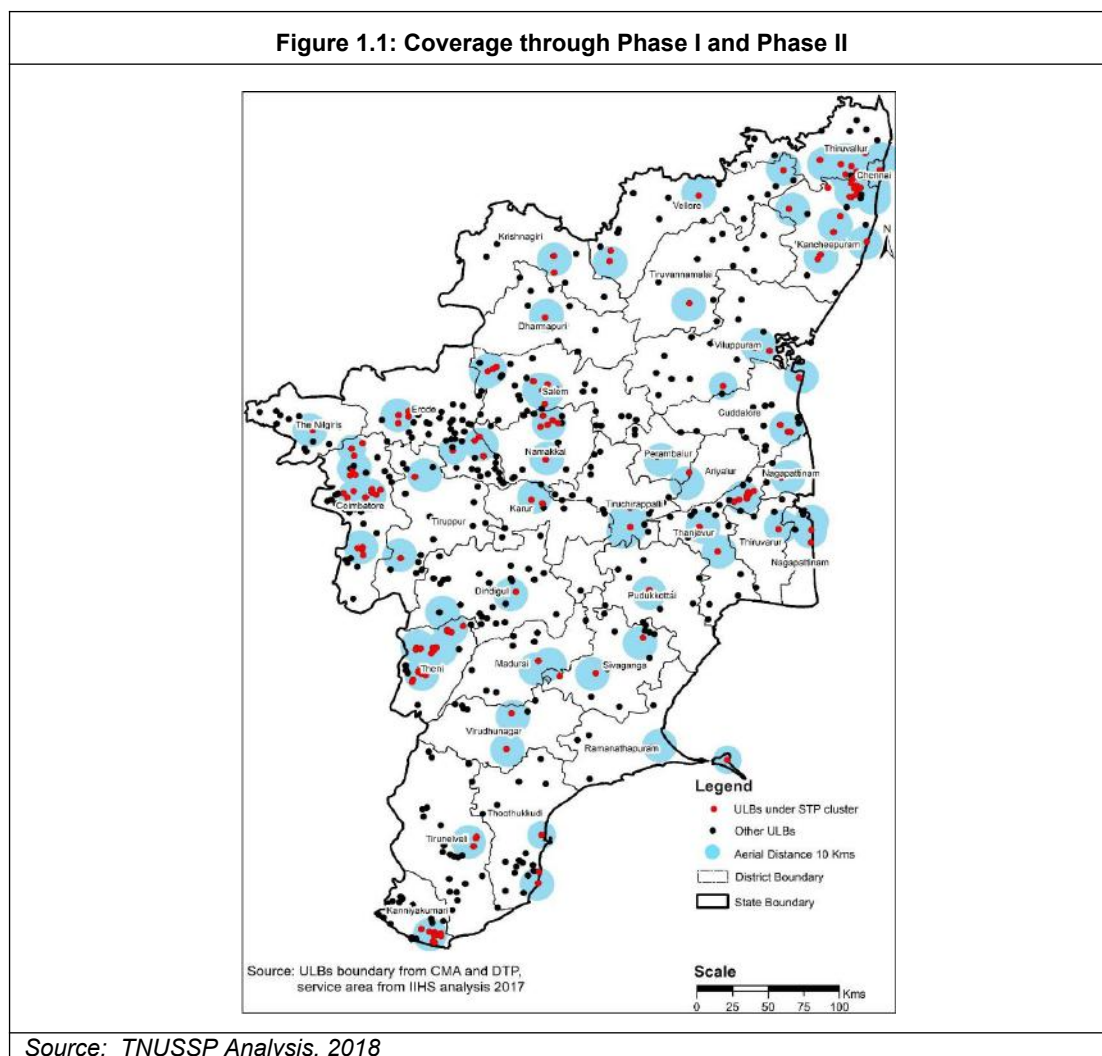
3. Approach and Methodology for Phasing of Treatment Facilities

A cluster approach has been adopted to ensure optimum utilisation of resources. The ULBs have been clustered around existing treatment facilities or proposed facilities within a radius of 10 km. The phasing plan proposes initial clustering around existing Sewage Treatment Plants (STPs) followed by addition of new treatment facilities.

The details of the phases are given below:

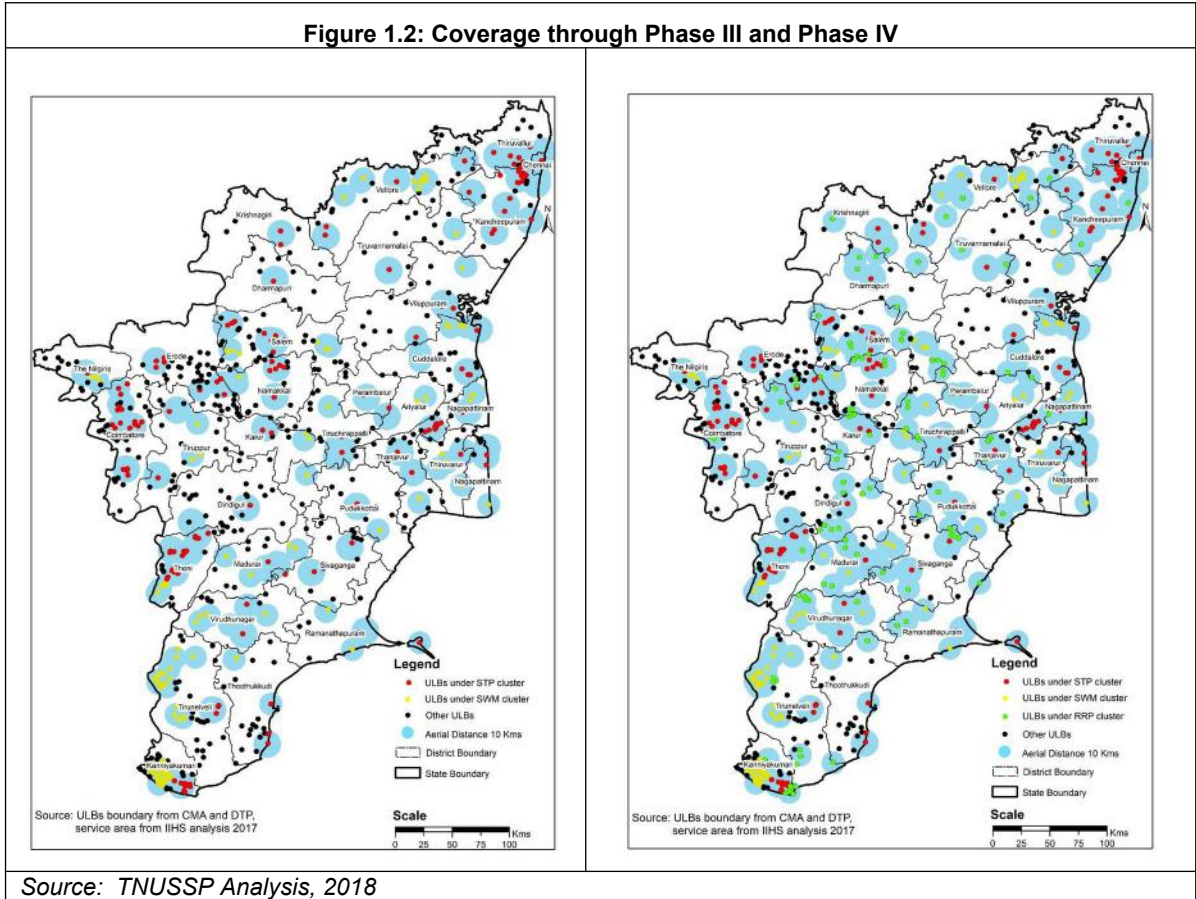
- i. **Phase I and II: Provision of decanting stations in STP sites:** Given that STPs are large in size and have spare capacity for handling additional sludge, ULBs within a 10km radius of a STP have been clustered together. Under Phases I and II, it is proposed that sludge

generated by ULBs is treated further at the existing STP around which they are clustered. Provision of decanting stations at all existing and proposed STPs, and suitable pumping stations (existing and proposed) enables households within a wide area and a large percentage of the population to be covered. There are no additional investments for treatment under these phases. While many of the STPs have spare capacity for receiving the additional sludge, a few have already reached their installed capacity. In such cases, customised solutions will be devised.



- ii. **Phase III: Utilising Solid Waste Management Sites in Municipalities:** The GoTN has made it mandatory for ULBs to designate Solid Waste Management (SWM) sites for composting. Many of these sites are currently under-utilised. It is proposed that under Phase III the additional space available at these SWM sites is used for construction of FSTPs, each of which will cater to a cluster of ULBs. Analysis reveals that about 75 per cent of the total urban population of TN is covered with the inclusion of SWM sites for provision of FSTPs.
- iii. **Phase IV: Utilising Resource Recovery Parks in Town Panchayats:** Phase IV will utilise land available at Resource Recovery Parks (RRPs) in Town Panchayats for construction of FSTPs, and similar to Phase III, each FSTP will serve a cluster of ULBs. The inclusion of RRP increases coverage of the total urban population to 81 per cent.

Figure 1.2: Coverage through Phase III and Phase IV



- iv. **Phase V: Stand-alone Cities:** Most ULBs have been clustered around existing or proposed STPs or proposed FSTPs under Phases I-IV. However, around 150 cities have not been included in any cluster as they do not fall within the 10-km catchment area. Developing individual FSTP sites for these ULBs may not be financially feasible or may be constrained by unavailability of suitable land. In such cases, other options that achieve economies of scale will need to be worked out under Phase V.

The below table summarises the five phases.

Table 1.2: Anticipated roadmap for coverage of urban population (excluding Chennai)							
No.	Details	P1	P2	P3	P4	P5	Total
1	No. of STP locations	41	34	49	78	157	353
2	City Coverage-						
2.1	Corporations (excl. Chennai)	8	3				11
2.2	Municipalities	26	30	51		17	124
2.3	Town Panchayats	35	53	59	111	270	528
2.4	Total cities covered	69	86	110	111	287	663
3	Households Coverage-						
3.1	HH covered under UGSS	7,41,487	1,95,131				9,36,618
3.2	HH covered under FSTP	16,67,348	11,43,917	9,48,335	4,54,145	12,25,200	54,38,945
3.3	No. of persons/ HH	3.86	3.82	3.89	3.87	3.87	
4	Population Coverage	92,91,118	51,11,371	36,90,113	17,55,275	47,43,313	2,45,91,190
5	Cumulative population coverage	40%	60%	75%	81%	100%	
<i>Source: TNUSSP Analysis, 2018</i>							
<i>Note: Population and household figures have been updated and hence may differ from those published in Government Order (Ms.) No. 88, August 2018</i>							

Summary of Phases:

- More than 50 per cent of the population is covered, when the existing and proposed STP sites are provided with decanting stations and connected to households without UGSS connection.
- About 75 per cent of the total population is covered when the municipal SWM sites are developed. This is due to higher density in bigger cities.
- While the RRP's reveal a minimal improvement in terms of coverage, it is imperative to find out a solution for the remaining 150 cities, and enable service delivery in one of these phases. Wherever land is available they may proceed with developing their own FSTP sites.

To implement this State Investment Plan, two sets of activities are required:

1. Upgradation of decanting stations for Phase I and II.
2. Securing investments for Phase III.

4. Total Costs

4.1 Investments for Phase I and Phase II

Decanting Facilities

- No. of pumping stations: 91 in existing networks (excluding Chennai)
- Cost of upgrading pumping stations (to meet CPHEEO norms): Rs. 5,00,000/- per unit
- Estimated no. of Decanting Stations (to be upgraded): 55-85 (suitability being ascertained)
- Estimated Total Cost: 275 – 425 Lakhs
- To be implemented in one year in existing STPs¹

4.2 Assumptions and Costs for Phase - III

A capital cost has been worked out for:

- (i) Construction of decanting facilities in STP sites
- (ii) Construction of FSTP sites

Brief assumptions are given below-

1. Arriving at FSTP Capacity²:
 - a. Sludge accumulation rate – 230 litres per capita per year³
 - b. No. of days in a year – 300 days
 - c. Frequency of cleaning – 3 years
2. Cost of construction: The cost of FSTP is based on the bids received in PNP/NNP in Coimbatore. The bid cost works out to INR 414 per capita. The cost has been reworked at INR 550⁴ per capita.

The above FSTP cost per capita is applicable only for Phase III.

¹ Note: CPHEEO norms include receiving tank, coarse screen, fine screen and grit chamber. Additional site requires access and circulation space for vehicles

² Growth rate of households has not been factored into estimating FSTP capacities as timelines for implementation of the State Investment Plan are yet to be determined.

³ a. U.S. EPA. HANDBOOK: SEPTAGE TREATMENT AND DISPOSAL. EPA/625/6-84/009 (NTIS PB88184015), 1984;

b. Advisory Note: Septage Management in Urban India – MOUD 2013

c. Suresh Kumar Rohilla, Bhitush Luthra, Amrita Bhatnagar, Mahreen Matto and Uday Bhonde 2017, Septage Management: A Practitioner's Guide, Centre for Science and Environment, New Delhi

⁴ The revision has been carried out considering the larger number of cities and the potential problems that could arise in terms of additional infrastructure requirements. It is also likely to change based on local conditions.

No.	Item	Number
2	Sludge generation	2,829 KLD
3	No. of FSTPs	49
4	Average FSTP Treatment Capacity	58 KLD
5	Total CAPEX (INR Crores)	200.00
<i>Source: TNUSSP Analysis, 2018</i>		

Soft Components: Other than the physical infrastructure, this project also requires support systems in the form of DPR preparation, technical assistance during implementation (PMU type), awareness campaigns and communication. Normally, these are taken as a percentage of the base cost. The percentages vary with the type of projects.

- a. Technical Assistance – 2 per cent
- b. Project Management expenses – 4 per cent
- c. Information, Education & Communication (IEC) activities – 2.5 per cent

The final project cost after adding the soft components is presented in the table below.

Details	Basis	Probable Funding Source	Cost (INR Crores)
Base Cost (not accounting for inflation across years)		Loan – Grant blend to ULBs	200.00
Technical Assistance	2% of project cost	Grants from GoTN	4.00
Project Management	4% of project cost	Grants from GoTN	8.00
IEC Activities	2.5% of project cost	Grants	5.00
Total			217.00
<i>Source: TNUSSP Analysis, 2018</i>			

Estimated costs do not take into consideration the construction of Phase III FSTPs over a period of time. The phasing of construction is important not just from a funding perspective but also in terms of the likely demand for treatment capacity. While FSTP capacities have been arrived at based on an assumed frequency of cleaning Septic Tanks (as specified under section 4.2), prevailing desludging practices in the state vary significantly and services operate under limited regulation. As a result, it is difficult to arrive at an accurate picture of the potential utilisation of treatment facilities. In order to mitigate against this uncertainty, an incremental approach, through modular FSTPs that allow for capacities to be increased proportional to demand, is proposed to scale treatment capacity across the state.

ANNEXURES

ANNEXURE – 1: PHASE I

STP / Decanting location name	Facility located ULB	District name	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
Agaram	Tiruvannamalai	Tiruvannamalai	Tiruvannamalai	M	1,45,278	33,514
Arupathi Village	Mayiladuthurai	Nagapattinam	Mayiladuthurai	M	85,632	21,929
Balammalpuram	Karur	Karur	Karur	M	2,14,412	59,169
			Puliyur	TP	12,720	3,416
Chengalpattu	Chengalpattu	Kancheepuram	Chengalpattu	M	62,579	15,675
Chettikulam	Dharmapuri	Dharmapuri	Dharmapuri	M	68,619	17,136
Chinnaveeranpati	Udumalaipet	Tiruppur	Udumalaipettai	M	61,133	17,132
Devanampattinam	Cuddalore	Cuddalore	Cuddalore	M	1,73,636	42,174
Erumai	Villupuram	Viluppuram	Valavanur	TP	16,745	3,913
Ganganagar	Chennai	Tiruvalluvar	Tiruverkadu (M + OG)	M	64,698	16,301
		Kancheepuram	Mangadu	TP	38,188	9,438
K.a. kuppam Eri	Villupuram	Viluppuram	Viluppuram	M	96,253	22,832
Kalvvoorani	Ramanathapuram	Ramanathapuram	Ramanathapuram	M	61,440	14,716
Kanthal	Udhagamandalam	The Nilgiris	Udhagamandalam	M	88,430	23,235
Karikulam	Kumbakonam	Thanjavur	Kumbakonam	M	1,40,156	35,509
			Thirupuvanam	TP	14,989	3,807
			Thirunageswaram	TP	15,082	3,940
			Thiruvidaimarudur	TP	14,786	3,643
			Veppathur	TP	7,949	1,950
			Dharasuram	TP	15,326	3,931
			Aduthurai alias Maruthuvakudi	TP	11,705	2,838
Karuvelnayakanpatti	Theni-Allinagaram	Theni	Theni Allinagaram	M	94,453	25,371
			Boothipuram	TP	11,022	3,145
			Palani Chettipatti	TP	14,879	4,099
			Veerapandi	TP	16,158	4,358
Kekarai	Tiruvarur	Tiruvarur	Thiruvarur	M	58,301	14,997
Kodungaiyur - 2	Chennai	Tiruvalluvar	Naravarikuppam	TP	20,946	5,207
Kottaiwasal	Nagapattinam	Nagapattinam	Nagapattinam	M	1,02,905	24,688
			Velankanni	TP	11,108	2,753
Krishnagiri	Krishnagiri	Krishnagiri	Krishnagiri	M	71,323	16,386
			Kaveripattinam	TP	15,006	3,721
Kulsai Road	Thiruchendur	Thoothukkudi	Tiruchendur	TP	32,171	8,271
			Kayalpattinam	M	40,588	9,417
Manachanallur	Tiruchirappalli	Tiruchirappalli	Manachanallur	TP	25,931	6,679
			S. Kannanur	TP	13,073	3,403
Maraimalai Adigalar	Maraimalainagar	Kancheepuram	Maraimalainagar	M	81,872	19,970
Maruppani	Pudukottai	Pudukkottai	Pudukkottai	M	1,17,630	28,838
Muthamalpuram	Orthanadu	Thanjavur	Orathanadu	TP	10,247	2,633
	Vellore	Vellore	Vellore	M	4,75,050	1,10,159

STP / Decanting location name	Facility located ULB	District name	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
				Corp.		
Nagore	Nagapattinam	Nagapattinam	Tittacheri	TP	9,245	1,985
Nattapettai	Kancheepuram	Kancheepuram	Kancheepuram	M	2,33,194	59,338
Near Avaniyapuram Lake	Madurai	Madurai	Madurai	M Corp.	14,70,821	3,82,355
Nedusal Village	Perambalur	Perambalur	Perambalur	M	49,648	12,732
Ondiputhur (com in prg)	Coimbatore	Coimbatore	Pallapalayam	TP	11,910	3,369
			Irugur	TP	25,691	7,459
			Vellalur	TP	24,872	6,837
			Kannampalayam	TP	15,868	4,577
			Sulur	TP	27,909	8,014
Periyakuppam Eri	Tiruvallur	Tiruvallur	Thiruvallur	M	56,074	14,004
Perungudi	Pallavapuram	Kancheepuram	Pallavaram (M + OG)	M	2,33,984	60,954
Ponmandurai	Dindigul	Dindigul	Dindigul	M Corp.	2,07,327	53,573
Poonjeri 54/1B	Mamallapuram	Kancheepuram	Mamallapuram	TP	15,172	3,590
Race Course Road - DS	Tiruchirappalli	Tiruchirappalli	Tiruchirappalli	M Corp.	8,70,543	2,20,375
Ramayanpatti	Tirunelveli	Tirunelveli	Tirunelveli	M Corp.	4,73,637	1,20,466
			Naranammalpuram	TP	17,094	4,580
			Sankarnagar	TP	7,095	1,854
Samuthiran Rd. Eri	Thanjavur	Thanjavur	Thanjavur	M Corp.	2,22,943	56,836
Sarkarperiyapalayam	Tiruppur	Tiruppur	Tiruppur	M Corp.	8,79,060	2,45,647
Senthamangalam	Namakkal	Namakkal	Namakkal	M	55,145	15,008
Thevar Nagar	Chinnamanur	Theni	Chinnamanur	M	42,305	11,545
			Odaipatti	TP	13,892	4,225
			Markayankottai	TP	6,135	1,788
			Kuchanur	TP	7,024	1,925
			Uthamapalayam	TP	29,050	7,508
			Hanumanthampatti	TP	10,619	2,863
Ukkadam Decanting Station	Coimbatore	Coimbatore	Coimbatore	M Corp.	15,60,484	4,19,874
			Perur	TP	8,004	2,211
			Vedapatti	TP	11,658	3,209
Virudhunagar	Virudhunagar	Virudhunagar	Virudhunagar	M	72,296	19,841
					92,91,118	24,08,835

ANNEXURE – 2: PHASE II

STP location name	Facility located ULB	District name	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
Arakkonam	Arakkonam	Vellore	Arakonam	M	78,395	19,507
Ariyalur	Ariyalur	Ariyalur	Ariyalur	M	28,902	7,319
Bhavani	Bhavani	Erode	Bhavani	M	39,225	11,147
			Jambai	TP	16,522	4,789
Bodinayakanur	Bodinayakanur	Theni	Bodinayakanur	M	75,675	20,333
			B. Meenakshipuram	TP	7,846	2,185
			Melachokkanathapuram	TP	15,625	4,051
Chidambaram	Chidambaram	Cuddalore	Chidambaram	M	62,153	15,166
			Annamalai Nagar	TP	16,289	2,445
			Bhuvanagiri	TP	21,956	5,400
Erode	Erode	Erode	Erode	M Corp.	4,95,957	1,38,497
			Modakurichi	TP	9,907	3,076
		Namakkal	Pallipalayam	M	40,140	11,210
Hosur	Hosur	Krishnagiri	Hosur	M	2,22,225	56,543
Karaikudi	Karaikudi	Sivaganga	Karaikkudi	M	1,06,714	27,504
Karunguzhi	Karunguzhi FSTP	Kancheepuram	Karunguzhi	TP	12,485	3,075
			Maduranthakam	M	30,796	7,699
Kodaikanal	Kodaikanal	Dindigul	Kodaikanal	M	36,501	9,442
Kumarapalayam	Kumarapalayam	Namakkal	Kumarapalayam	M	71,594	20,439
Mettupalayam	Mettupalayam	Coimbatore	Mettupalayam	M	69,213	18,423
			Karamadai	TP	35,166	9,792
			Sirumugai	TP	18,223	5,294
Mettur	Mettur	Salem	Mettur	M	52,813	14,282
Mettur, Sarkarthottam			P.N.Patti	TP	25,133	6,901
Mettur, Selam Camp			Veerakkalpudur	TP	16,665	4,614
Muthapudupet, Avadi	Avadi	Tiruvalluvar	Thirunindravur	TP	37,095	9,425
Nagarcoil	Nagarcoil	Kanniyakumari	Nagercoil	M	2,53,867	67,687
			Suchindrum	TP	13,193	3,644
			Thengampudur	TP	14,538	3,849
			Therur	TP	7,615	2,148
			Puthalam	TP	13,073	3,417
			Alur	TP	15,063	3,882
			Mylaudy	TP	10,070	2,661
			Marungur	TP	11,236	3,148
Palani	Palani	Dindigul	Palani	M	70,467	19,015
			Balagamudram	TP	14,179	3,802
			Neikkarapatti	TP	11,753	3,113
Paruthipattu, Avadi	Avadi	Tiruvalluvar	Avadi	M	3,45,996	87,733
Periyakulam	Periyakulam	Theni	Periyakulam	M	42,976	11,401
			Thenkarai	TP	14,838	3,773

STP location name	Facility located ULB	District name	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
			Thamaraikulam	TP	12,372	3,143
			Vadugapatti	TP	13,204	3,391
			Devadanapatti	TP	19,285	5,010
Periyanicken-palayam FSTP	Periyanicken-palayam	Coimbatore	Periyanaicken-palayam	TP	25,930	7,377
			Veerapandi	TP	16,953	4,740
			Gudalur	TP	38,859	10,897
			Idikarai	TP	8,686	2,491
			Narasimhanaicken-palayam	TP	17,858	5,023
Perundurai	Perundurai	Erode	Perundurai	TP	24,930	6,675
Pollachi	Pollachi	Coimbatore	Pollachi	M	90,180	24,755
			Suleeswaranpatti	TP	20,104	5,680
			Zamin Uthukuli	TP	16,354	4,566
			Samathur	TP	5,762	1,735
Rameswaram	Rameswaram	Ramanathapuram	Rameswaram	M	44,856	10,579
Rasipuram	Rasipuram	Namakkal	Rasipuram	M	50,244	13,104
			Pattinam	TP	8,912	2,412
			Athanur	TP	9,827	2,666
			Seerapalli	TP	12,403	3,344
			Pillanallur	TP	11,181	3,127
Salem, Anaimeedu	Salem	Salem	Kannankurichi	TP	19,765	5,022
			Karuppur	TP	13,967	3,707
			Salem	M Corp.	8,29,267	2,15,747
			Panaimarathupatti	TP	9,368	2,468
			Ayothiappattinam	TP	11,517	2,982
Sathyamanagalam	Sathyamanagalam	Erode	Sathyamangalam	M	37,816	11,148
			Ariyappampalayam	TP	15,706	4,507
			Periyakodiveri	TP	12,330	3,644
			Kembainaickenpalayam	TP	11,103	3,395
Sattur	Sattur	Virudhunagar	Sattur	M	29,398	8,093
Sholinganallur	Chennai	Kancheepuram	Sembakkam	M	45,356	11,668
Sivagangai	Sivagangai	Sivaganga	Sivaganga	M	40,403	10,184
Sriperumbudur	Sriperumbudur	Kancheepuram	Sriperumbudur	TP	24,864	6,318
Tambaram	Tambaram	Kancheepuram	Tambaram	M	1,74,787	44,432
			Thiruneermalai	TP	30,702	7,660
			Anakaputhur	M	48,050	12,146
			Pammal	M	75,870	18,812
			Chitlapakkam	TP	37,906	9,960
			Peerkankaranai (TP + OG)	TP	29,250	7,488
			Perungalathur	TP	37,342	9,584
Thirumazhisai	Thirumazhisai	Tiruvalluvar	Thirumazhisai	TP	19,733	5,220
			Poonamallee (M + OG)	M	60,607	15,541

STP location name	Facility located ULB	District name	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
Thirumazhisai	Thirumazhisai	Kancheepuram	Kundrathur (TP + OG)	TP	54,986	13,864
Thoothukudi	Thoothukudi	Thoothukkudi	Thoothukkudi	M Corp.	3,93,778	1,00,342
Tirupattur	Tirupattur	Vellore	Tirupathur	M	64,125	14,084
			Jolarpet	M	29,662	7,140
Ulundurpettai	Ulundurpettai	Viluppuram	Ulundurpettai	TP	23,734	5,346
					51,11,371	13,39,048

ANNEXURE – 3: PHASE III**A. List of FSTP Locations and Capacity**

District	FSTP Location	FSTP Capacity (in KLD)
Ariyalur	Jayamkondam	35
Cuddalore	Nellikuppam	37
	Panruti	48
	Virudachalam	54
Kanniyakumari	Colachel	124
	Kuzhithurai	229
	Padmanabhapuram	115
Karur	Kulithalai	31
Madurai	Melur	35
	Tirumangalam	40
	Usilampatti	27
Nagapattinam	Sirkali	32
	Vedharanyam	26
Namakkal	Tiruchengode	79
Pudukkottai	Aranthangi	30
Ramanathapuram	Keelakarai	22
	Paramakudi	70
Salem	Attur	81
	Idappadi	71
Thanjavur	Pattukottai	55
The Nilgiris	Coonoor	68
Theni	Cumbum	79
	Gudalur	36
Thoothukkudi	Kovilpatti	75
Tiruchirappalli	Manapparai	30
	Thuraiyur	26
Tirunelveli	Ambasamudiram	61
	Kadayanallur	63
	Puliangudi	69
	Sankarankoil	43
	Shenkottai	41
	Tenkasi	111
	Vickramasingapuram	49
Tiruppur	Dharapuram	64
	Kangayam	28
Tiruvannamalai	Vandavasi	22
Tiruvarur	Koothanallur	23
	Mannargudi	52
	Thiruhuraipoondi	19
Vellore	Ambur	75

District	FSTP Location	FSTP Capacity (in KLD)
	Arcot	73
	Gudiyatham	64
	Ranipet	35
	Walajapet	43
Viluppuram	Tindivanam	51
Virudhunagar	Aruppukottai	71
	Rajapalayam	129
	Sivakasi	103
	Srivilliputhur	64
All districts	49	2,829

Source: TNUSSP Analysis, 2018

B. Urban Household Coverage

The below table summarises household and town coverage for Phase III.

1	No. of STP locations (Excludes Chennai)	49
2	City Coverage-	
2.1	Corporations	0
2.2	Municipalities	51
2.3	Town Panchayats	59
2.4	Total cities covered	110
3	Urban Households Covered	9,48,335
3.1	HH covered under UGSS	0
3.2	HH covered under FSTP	9,48,335
	No. of persons/HH	3.89
4	Population Coverage	36,90,113

Source: TNUSSP Analysis, 2018

C. Details of FSTP clusters for Phase III

District name	FSTP Location	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
Ariyalur	Jayamkondam	Jayankondam	M	33,945	8,664
		Udayarpalayam	TP	12,688	3,155
Cuddalore	Nellikuppam	Nellikuppam	M	46,678	10,763
		Melpattampakkam	TP	6,887	1,603
		Panruti	M	60,323	14,170
	Virudachalam	Thorapadi	TP	7,659	1,882
		Virudhachalam	M	73,585	18,209
Kanniyakumari	Colachel	Colachel	M	23,227	5,205
		Reethapuram	TP	21,177	5,210

District name	FSTP Location	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
		Kallukuttam	TP	19,093	4,815
		Palappallam	TP	18,589	4,842
		Mandaikadu	TP	13,317	3,444
		Thingalnagar	TP	13,567	3,538
		Karungal	TP	16,691	4,368
		Neyyoor	TP	12,917	3,430
		Manavalakurichi	TP	10,969	2,636
		Kappiyarai	TP	15,998	4,045
	Kuzhithurai	Kuzhithurai	M	21,307	5,519
		Unnamalaikadai	TP	23,656	5,969
		Nalloor	TP	17,989	4,480
		Valvaithankoshtam	TP	16,965	4,406
		Athur	TP	11,910	3,047
		Pacode	TP	24,050	6,237
		Thiruvattar	TP	18,985	4,836
		Kaliyakkavilai	TP	15,625	3,892
		Puthukkadai	TP	9,909	2,537
		Killiyoor	TP	20,938	5,479
		Kulasekaram	TP	17,267	4,421
	Padmanabhapuram	Padmanabhapuram	M	21,342	5,549
		Kothanallur	TP	17,662	4,514
		Kumarapuram	TP	14,728	3,653
		Vilavur	TP	14,320	3,725
		Thiruvithancode	TP	18,723	4,469
		Mulagumudu	TP	19,538	5,041
		Villukuri	TP	15,304	4,037
		Eraniel	TP	10,375	2,681
		Verkilambi	TP	19,730	5,044
Karur	Kulithalai	Kulithalai	M	27,910	7,374
		Marudur	TP	10,925	2,850
Madurai	Melur	Melur	M	40,017	9,872
		A.Vellalapatti	TP	8,325	1,981
	Tirumangalam	Thirumangalam	M	51,194	13,564
	Usilampatti	Usilampatti	M	35,219	9,101
Nagapattinam	Sirkali	Sirkali	M	34,927	8,756
		Vaitheeswarankoil	TP	7,676	1,972
	Vedharanyam	Vedaranyam	M	34,266	8,665
Namakkal	Tiruchengode	Tiruchengode	M	95,335	26,508
Pudukkottai	Aranthangi	Aranthangi	M	40,814	10,130
Ramanathapuram	Paramakudi	Paramakudi	M	95,579	23,504

District name	FSTP Location	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
	Keelakarai	Keelakarai	M	38,355	7,448
Salem	Attur	Attur	M	61,793	16,371
		Narasingapuram	M	23,084	6,230
		Pethanaickenpalayam	TP	17,678	4,611
	Idappadi	Edappadi	M	54,823	14,560
		Arasiramani	TP	14,834	3,970
		Poolampatti	TP	9,477	2,698
		Konganapuram	TP	9,286	2,614
Thanjavur	Pattukottai	Pattukkottai	M	73,135	18,437
The Nilgiris	Coonoor	Coonoor	M	45,494	12,384
		Jagathala	TP	14,383	4,099
		Kethi	TP	23,229	6,397
Theni	Cumbum	Kambam	M	68,090	18,567
		Pudupatti	TP	11,511	3,249
		Kamayagoundanpatti	TP	16,134	4,725
	Gudalur	Gudalur	M	41,915	12,001
Thoothukkudi	Kovilpatti	Kovilpatti	M	95,057	25,099
Tiruchirappalli	Manapparai	Manapparai	M	40,510	9,934
	Thuraiyur	Thuraiyur	M	32,439	8,674
Tirunelveli	Ambasamudiram	Ambasamudram	M	35,645	9,845
		Kalladaikurichi	TP	26,398	7,364
		Manimutharu	TP	11,323	3,085
	Kadayanallur	Kadayanallur	M	90,364	21,076
	Puliankudi	Puliankudi	M	66,034	17,209
		Vasudevanallur	TP	21,361	5,833
	Sankarankoil	Sankarankoil	M	57,277	14,536
	Shenkottai	Shenkottai	M	26,823	7,146
		Ilanji	TP	10,282	2,823
		Pudur	TP	12,457	3,322
		Courtalam	TP	2,089	556
	Tenkasi	Tenkasi	M	70,545	17,887
		Melagaram	TP	14,535	4,018
		Panpoli	TP	9,313	2,619
		Achampudur	TP	13,566	3,563
		Aygudi	TP	15,129	4,088
		Vadakarai Keezhpadugai	TP	20,821	5,047
	Vickramasingapuram	Vikramasingapuram	M	47,241	13,558
		Alwarkurichi	TP	10,045	2,793
Tiruppur	Dharapuram	Dharapuram	M	56,007	15,842
		Kolathupalayam	TP	17,819	5,457

District name	FSTP Location	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
	Kangayam	Kangeyam	M	32,147	9,449
Tiruvannamalai	Vandavasi	Vandavasi	M	31,320	7,326
Tiruvarur	Koothanallur	Kuthanallur	M	25,423	6,025
		Koradacheri	TP	6,450	1,661
	Mannargudi	Mannargudi	M	66,999	17,372
	Thiruhuraipoondi	Thiruhuraipoondi	M	24,404	6,263
Vellore	Arcot	Arcot	M	55,955	13,605
		Melvisharam	M	44,786	8,906
		Vilapakkam	TP	8,174	1,941
	Gudiyatham	Gudiyatham	M	91,558	21,363
	Ranipet	Ranipettai	M	50,764	11,764
	Walajapet	Walajapet (M + OG)	M	47,498	11,289
		Ammoor	TP	12,513	2,972
	Ambur	Ambur	M	1,14,608	25,009
Viluppuram	Tindivanam	Tindivanam	M	72,796	17,088
Virudhunagar	Aruppukottai	Aruppukottai	M	87,722	23,803
	Sivakasi	Sivakasi	M	71,040	18,952
		Thiruthangal	M	55,362	15,424
	Srivilliputhur	Srivilliputhur	M	75,396	21,411
	Rajapalayam	Rajapalayam	M	1,30,442	37,797
		Mamsapuram	TP	18,635	5,388
				36,90,113	9,48,335

ANNEXURE – 4: PHASE IV

RRP Facility located ULB	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
Abiramam	Abiramam	TP	8,144	1,930
Acharapakkam	Acharapakkam	TP	10,362	2,565
Agastheeswaram	Agastheeswaram	TP	9,717	2,620
	Kottaram	TP	11,055	2,952
	Thenthamaraikulam	TP	11,872	3,100
	Kanniyakumari	TP	22,453	5,525
	Alagappapuram	TP	9,626	2,656
	Anjugrammam	TP	10,982	2,915
Alampalayam	Alampalayam	TP	20,286	5,785
Alangayam	Alangayam	TP	18,327	4,183
Ammainaickanur	Ammainaickanur	TP	19,257	4,983
Andipatti Jakkampatti	Andipatti Jakkampatti	TP	27,287	7,512
Annavasal	Annavasal	TP	8,906	2,050
Aravakurichi	Aravakurichi	TP	12,412	3,562
Attayampatti	Attayampatti	TP	13,852	3,649
	Mallasamudram	TP	18,007	4,895
	Vennanthur	TP	14,568	3,844
Aygudi	Sambavar Vadagarai	TP	16,709	4,423
	Sundarapandiapuram	TP	8,987	2,532
	Surandai	TP	35,272	9,511
Ayyalur	Ayyalur	TP	17,100	3,824
	Vadamadurai	TP	18,015	4,533
Edaganasalai	Edaganasalai	TP	33,245	8,631
	Ilampillai	TP	11,797	3,057
Kalavai	Kalavai	TP	9,773	2,343
Kamuthi	Kamuthi	TP	14,754	3,379
Kanadukathan	Kanadukathan	TP	5,275	1,362
	Pallathur	TP	9,580	2,400
Kariamangalam	Kariamangalam	TP	13,511	3,398
Karumandi Chellipalayam	Karumandi Chellipalayam	TP	23,868	6,817
	Pethampalayam	TP	7,152	2,145
Kelamangalam	Kelamangalam	TP	13,321	3,098
Kilpennathur	Kilpennathur	TP	13,718	3,152
Kolathur	Kolathur	TP	12,748	3,413
Kunnathur	Kunnathur	TP	8,774	2,588
Kurumbalur	Kurumbalur	TP	12,420	3,550
Kuthalam	Kuthalam	TP	16,125	4,059
Mallankinaru	Mallankinaru	TP	12,986	3,308
Mallur	Mallur	TP	10,331	2,754
Manamadurai	Manamadurai	TP	32,257	8,032
Marakkanam	Marakkanam	TP	22,034	5,286

RRP Facility located ULB	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
Mettupalayam	Mettupalayam	TP	7,681	2,153
Musiri	Musiri	TP	28,727	7,764
Nagojanahalli	Nagojanahalli	TP	9,953	2,483
Namagiripettai	Namagiripettai	TP	21,250	5,875
	R.Pudupatti	TP	7,478	2,105
Nangavaram	Nangavaram	TP	17,629	4,477
	Sirugamani	TP	10,743	2,801
Nilakottai	Nilakottai	TP	22,197	5,611
	Batlagundu	TP	22,928	5,878
	Sevugampatti	TP	11,730	3,037
Odugathur	Odugathur	TP	8,998	2,175
Palakkodu	Palakkodu	TP	20,959	4,948
Pallapatti	Pallapatti	TP	30,624	7,426
Panapakkam	Panapakkam	TP	11,536	2,802
Papparapatti	Papparapatti	TP	12,174	3,014
Pappireddipatti	Pappireddipatti	TP	9,369	2,458
Paravai	Paravai	TP	20,042	5,213
Pennadam	Pennadam	TP	19,494	4,708
Peravurani	Peravurani	TP	22,084	5,853
Ponmani	Ponmanai	TP	15,554	4,068
Ponnamaravathi	Ponnamaravathi	TP	12,676	3,380
Ponneri	Ponneri	TP	31,025	7,842
Poolambadi	Poolambadi	TP	10,737	3,004
	Arumbavur	TP	12,467	3,452
Pudupalayam	Pudupalayam	TP	11,382	2,591
Puduvayal	Puduvayal	TP	11,284	2,691
	Kandanur	TP	7,696	1,959
	Kottaiyur	TP	14,766	3,803
Punjaipugalur	Punjaipugalur	TP	23,408	6,783
	Punjai Thottakurichi	TP	10,969	2,920
	TNPL Pugalur	TP	5,556	1,628
	Pothanur	TP	18,455	5,147
	Velur	TP	25,012	7,055
Sholavandan	Sholavandan	TP	22,578	5,936
T.kallupatti	T.Kallupatti	TP	10,762	2,774
	Peraiyur	TP	10,394	2,796
Tharangambadi	Tharangambadi	TP	23,191	5,482
Thathaiyangarpet	Thathaiyangarpet	TP	12,980	3,522
Thedavur	Thedavur	TP	8,230	2,241
	Gangavalli	TP	12,015	3,124
Thirumalayampalayam	Thirumalayampalayam	TP	12,164	3,375
	Ettimadai	TP	9,352	2,564
	Madukkarai	TP	30,357	8,153
Thiruporur	Thiruporur	TP	13,666	3,256

RRP Facility located ULB	Name of the ULB which falls within 10kms of road distance from facility	Type of ULBs	Total population	Total number of households
Thirupuvanam	Thirupuvanam	TP	24,554	6,240
Thiruvaiyaru	Thiruvaiyaru	TP	16,164	4,199
	Melathiruppanthuruthi	TP	9,074	2,240
Thisayanvilai	Thisayanvilai	TP	23,702	5,881
Thondi	Thondi	TP	18,465	3,859
Tirukalukundram	Tirukalukundram	TP	29,391	7,419
Uppidamangalam	Uppidamangalam	TP	11,292	3,189
Uthangarai	Uthangarai	TP	18,470	4,359
Uthiramerur	Uthiramerur	TP	25,194	6,197
Uthukuli	Uthukuli	TP	10,130	3,000
V. Pudur	V. Pudur	TP	8,891	2,369
V.Pudupatti	V.Pudupatti	TP	8,316	2,411
	Sundarapandiam	TP	8,513	2,562
	Vathirairuppu	TP	16,784	4,634
	S.Kodikulam	TP	12,713	3,488
Vadakkuvalliyur	Vadakkuvalliyur	TP	29,417	7,760
	Eruvadi	TP	18,067	4,239
	Panagudi	TP	29,895	7,733
Vadipatti	Vadipatti	TP	26,830	6,788
Vallam	Vallam	TP	16,758	3,840
Varadarajanpettai	Varadarajanpettai	TP	8,259	2,049
Vazhapadi	Vazhapadi	TP	17,559	4,582
	Belur	TP	8,736	2,290
Vedasandur	Vedasandur	TP	11,730	3,046
	Agaram	TP	15,610	3,984
Veeraganur	Veeraganur	TP	11,624	3,139
			17,55,275	4,54,145

ANNEXURE – 5: PHASE V

Name of the ULBs	Type of ULBs	Total population	Total number of households
Adikaratti	TP	14,178	4,209
Adiramapattinam	TP	31,066	6,569
Alanganallur	TP	12,331	3,171
Alangudi	TP	12,367	3,064
Alangulam	TP	20,948	5,796
Alanthurai	TP	7,221	2,004
Alwarthirunagiri	TP	9,289	2,375
Ammapettai	TP	9,677	2,758
Ammapettai	TP	14,572	3,591
Anaimalai	TP	17,208	4,933
Ananthapuram	TP	6,892	1,500
Annur	TP	20,079	5,610
Anthiyur	TP	21,086	6,044
Appakudal	TP	10,610	3,149
Arachalur	TP	12,034	3,667
Arakandanallur	TP	5,713	1,247
Aralvaimozhi	TP	22,846	6,206
Arani	TP	12,833	3,328
Arani	M	63,671	14,889
Arimalam	TP	8,948	2,184
Arumanai	TP	16,283	4,236
Arumuganeri	TP	27,266	6,968
Athani	TP	8,430	2,567
Athur	TP	10,138	2,555
Avalpoondurai	TP	11,789	3,552
Avanashi	TP	28,868	7,443
Ayakudi	TP	27,156	7,314
Ayyampalayam	TP	12,175	3,380
Ayyampettai	TP	16,263	4,106
Azhagiapandipuram	TP	11,392	3,146
B.Mallapuram	TP	12,705	3,213
Balakrishnampatti	TP	8,635	2,481
Bargur	TP	16,366	3,760
Bhavanisagar	TP	7,710	2,134
Bikketti	TP	5,864	1,797
Boothapandi	TP	15,931	4,280
Chengam	TP	26,980	6,160
Chennasamudram	TP	8,111	2,482
Chennimalai	TP	15,500	4,682
Cheranmadevi	TP	18,327	4,756

Name of the ULBs	Type of ULBs	Total population	Total number of households
Chetpet	TP	19,827	4,745
Chettiarpatti	TP	17,520	5,002
Chettipalayam	TP	10,366	2,841
Chinnakkampalayam	TP	11,546	3,445
Chinnalapatti	TP	26,285	6,981
Chinnasalem	TP	25,106	6,181
Chithode	TP	8,550	2,553
Cholapuram	TP	6,803	1,632
Denkanikottai	TP	24,252	5,393
Desur	TP	4,597	1,163
Devakottai	M	51,865	13,192
Devarshola	TP	24,954	5,594
Dhali	TP	5,874	1,768
Dhaliyur	TP	11,500	3,208
Edaicode	TP	25,378	6,528
Edakalinadu	TP	28,172	6,734
Elathur	TP	7,827	2,404
Elumalai	TP	15,746	4,224
Eral	TP	9,478	2,388
Eriodu	TP	8,890	2,195
Erumaipatti	TP	12,085	2,954
Ethapur	TP	10,968	2,866
Ettayapuram	TP	12,772	3,646
Ezhudesam	TP	24,657	6,114
Ganapathipuram	TP	14,598	3,880
Gangaikondan	TP	6,434	1,620
Ganguvarpatti	TP	11,942	3,075
Gingee	TP	27,045	6,259
Gobichettipalayam	M	59,523	17,064
Gopalamudram	TP	10,694	2,890
Gudalur	M	49,535	12,101
Gummidipoondi	TP	18,891	4,787
Harur	TP	25,469	6,607
Highways	TP	4,882	1,276
Huligal	TP	12,960	3,727
Ilayangudi	TP	24,767	5,947
Iluppur	TP	14,127	3,205
Jalakandapuram	TP	16,184	4,198
Kadambur	TP	4,155	1,209
Kadathur	TP	11,382	2,811
Kadayal	TP	21,665	5,512
Kadayampatti	TP	11,390	2,857
Kalakad	TP	30,921	8,098

Name of the ULBs	Type of ULBs	Total population	Total number of households
Kalambur	TP	14,304	3,476
Kalappanaickenpatti	TP	10,831	3,164
Kallakkurichi	M	52,507	12,801
Kallakudi	TP	11,604	3,178
Kalugumalai	TP	14,738	4,208
Kambainallur	TP	12,194	3,024
Kanam	TP	3,134	880
Kaniyur	TP	6,180	1,802
Kanjikoil	TP	11,294	3,468
Kannamangalam	TP	7,399	1,696
Kannivadi	TP	10,369	2,746
Kannivadi	TP	4,385	1,352
Karambakkudi	TP	14,626	3,352
Kariapatti	TP	18,191	4,881
Karumathampatti	TP	35,062	10,071
Kasipalayam	TP	9,093	2,838
Kattumannarkoil	TP	27,294	6,664
Kattuputhur	TP	10,933	3,076
Kaveripakkam	TP	14,583	3,323
Kayatharu	TP	10,400	2,799
Keeramangalam	TP	9,357	2,402
Keeranur	TP	7,200	1,925
Keeranur	TP	11,667	2,840
Keeripatti	TP	10,208	2,584
Keezhkulam	TP	17,327	4,297
Kilampadi	TP	6,422	2,059
Kilapavoor	TP	22,231	5,967
Kilkunda	TP	8,886	2,636
Killai	TP	13,608	3,359
Kilvelur	TP	8,272	2,151
Kinathukadavu	TP	8,653	2,469
Kodavasal	TP	14,639	3,719
Kodumudi	TP	13,225	3,946
Kolappalur	TP	9,607	2,979
Kollancode	TP	38,385	8,514
Kollankoil	TP	9,196	2,833
Komaralingam	TP	13,642	3,854
Kombai	TP	15,960	4,338
Koothappar	TP	15,943	4,250
Kotagiri	TP	28,207	7,860
Kottakuppam	TP	31,726	7,048
Kottur	TP	26,627	7,769
Krishnarayapuram	TP	10,792	2,946

Name of the ULBs	Type of ULBs	Total population	Total number of households
Kuhalur	TP	11,753	3,628
Kurinjipadi	TP	27,471	6,757
Labbaikudikadu	TP	11,891	2,560
Lakkampatti	TP	11,716	3,454
Lalgudi	TP	23,740	6,129
Lalpet	TP	16,561	3,355
Madambakkam	TP	31,681	8,069
Madathukulam	TP	20,620	5,761
Madukkur	TP	16,266	4,007
Manalmedu	TP	9,017	2,329
Manalurpet	TP	8,523	1,944
Mandapam	TP	18,427	4,296
Mangalampet	TP	9,278	2,108
Marandahalli	TP	12,451	3,179
Mecheri	TP	25,676	6,330
Melacheval	TP	8,435	2,181
Melattur	TP	8,131	2,062
Minjur	TP	28,337	7,048
Mohanur	TP	14,315	3,890
Moolakaraipatti	TP	11,112	2,899
Mopperipalayam	TP	10,923	3,094
Mudukulathur	TP	14,789	3,559
Mukkudal	TP	14,983	4,137
Mulanur	TP	15,223	4,617
Muthupet	TP	21,722	5,102
Muthur	TP	13,212	3,948
Naduvattam	TP	8,505	2,340
Nallampatti	TP	3,874	1,152
Nambiyur	TP	16,379	4,913
Nandivaram - Guduvancheri	TP	44,098	11,252
Nangavalli	TP	10,809	2,706
Nanguneri	TP	6,640	1,753
Nannilam	TP	12,618	3,199
Nasiyanur	TP	10,970	3,280
Natham	TP	23,660	5,732
Natrampalli	TP	10,390	2,480
Nattarasankottai	TP	5,860	1,554
Nazerath	TP	16,584	4,310
Needamangalam	TP	9,336	2,392
Nelliyalam	M	44,590	10,729
Nemili	TP	10,806	2,620
Nerkuppai	TP	7,165	1,830
Nerunjipettai	TP	6,791	1,961

Name of the ULBs	Type of ULBs	Total population	Total number of households
O' Valley	TP	21,943	5,307
Odaiyakulam	TP	13,370	3,895
Oddanchatram	M	30,064	8,046
Olagadam	TP	9,958	2,851
Omalur	TP	16,279	4,229
Othakalmandapam	TP	12,207	3,394
P.J. Cholapuram	TP	7,484	2,016
P.Mettupalayam	TP	9,109	2,823
Padaiveedu	TP	10,451	2,965
Palamedu	TP	10,493	2,730
Palayam	TP	15,336	3,686
Palladam	M	42,225	12,054
Pallapalayam	TP	7,263	2,164
Pallikonda	TP	23,067	5,388
Pallipattu	TP	8,721	1,979
Palugal	TP	18,276	4,429
Pandamangalam	TP	7,259	2,071
Pannaikadu	TP	8,731	2,493
Pannaipuram	TP	9,323	2,311
Papanasam	TP	17,548	4,360
Paramathi	TP	11,986	3,353
Parangipettai	TP	25,541	5,561
Pasur	TP	3,670	1,120
Pathamadai	TP	16,625	4,166
Pattiveeranpatti	TP	8,602	2,290
Pennagaram	TP	17,480	4,252
Pennathur	TP	9,425	2,261
Peralam	TP	6,149	1,542
Peranamallur	TP	5,801	1,450
Periya Negamam	TP	7,098	2,101
Pernampattu	M	51,271	10,450
Perumagalur	TP	5,604	1,536
Perungulam	TP	7,203	1,766
Polur	TP	28,123	6,706
Ponnampatti	TP	12,167	2,686
Pooluvapatti	TP	12,853	3,575
Pothatturpettai	TP	22,040	4,711
Pullampadi	TP	10,241	2,628
Punjaipuliampatti	M	18,967	5,480
Puvalur	TP	7,905	2,083
R.S.Mangalam	TP	14,565	3,481
Rayagiri	TP	11,223	3,270
Rudravathi	TP	6,807	2,147

Name of the ULBs	Type of ULBs	Total population	Total number of households
Salangapalayam	TP	15,609	4,668
Samalapuram	TP	20,691	5,938
Sankaramanallur	TP	10,283	2,995
Sankarapuram	TP	15,664	3,539
Sankari	TP	29,467	8,122
Sarcarsamakulam	TP	10,289	2,915
Sathankulam	TP	14,193	3,607
Sayalgudi	TP	14,801	3,617
Sayapuram	TP	12,792	3,225
Seithur	TP	20,228	5,807
Senthamangalam	TP	19,750	5,484
Sentharapatti	TP	14,308	3,894
Sethiathoppu	TP	8,824	2,269
Sholingur	TP	30,856	7,359
Sholur	TP	9,745	2,762
Singampuneri	TP	18,143	4,442
Sithayankottai	TP	13,634	3,522
Sivagiri	TP	17,979	5,407
Sivagiri	TP	23,040	6,796
Srimushnam	TP	13,971	3,277
Sriramapuram	TP	10,653	2,892
Srivaikuntam	TP	15,847	4,159
Swamimalai	TP	7,289	1,878
Thadikombu	TP	18,838	4,777
Thakkolam	TP	13,983	3,321
Thalainayar	TP	12,798	3,443
Thammampatti	TP	21,503	5,756
Tharamangalam	TP	30,222	7,406
Thazhakudy	TP	8,992	2,503
Thenkarai	TP	7,349	2,093
Thenthiruperai	TP	4,934	1,276
Thevaram	TP	16,079	4,225
Thevur	TP	8,548	2,423
Thiagadurgam	TP	18,605	4,224
Thirparappu	TP	22,401	5,839
Thirukarungudi	TP	9,342	2,576
Thirukkattupalli	TP	12,972	3,304
Thirumuruganpoondi	TP	31,528	8,789
Thiruppanandal	TP	11,169	2,587
Thiruvalam	TP	9,153	2,215
Thiruvenkadam	TP	8,337	2,368
Thiruvennainallur	TP	9,623	2,121
Thondamuthur	TP	11,492	3,320

Name of the ULBs	Type of ULBs	Total population	Total number of households
Thottiyam	TP	14,909	3,926
Thuvakudi	M	38,887	9,402
Timiri	TP	16,246	3,878
Tirukkoyilur	TP	30,212	6,929
Tirupathur	TP	25,980	6,431
Tiruttani	M	44,781	11,122
Tiruvethipuram	M	37,802	9,162
Tittakudi	TP	22,894	5,552
Udangudi	TP	19,738	4,673
Unjalur	TP	2,482	768
Uppiliapuram	TP	7,705	2,155
Uthayendram	TP	13,837	3,062
Uthukkottai	TP	12,740	3,244
Vadakkanandal	TP	23,034	5,397
Vadalur	TP	39,514	9,736
Vadugapatti	TP	9,657	2,928
Valangaiman	TP	11,754	2,948
Valparai	M	70,859	19,017
Vanavasi	TP	7,130	1,890
Vaniputhur	TP	12,044	3,748
Vaniyambadi	M	95,061	20,559
Veeravanallur	TP	19,585	5,317
Vellakoil	M	40,359	12,157
Vellimalai	TP	13,182	3,436
Vellottamparappu	TP	7,621	2,431
Vengampudur	TP	7,443	2,381
Venkarai	TP	9,330	2,702
Vettaikaranpudur	TP	17,392	5,152
Vettavalam	TP	15,506	3,414
Vikravandi	TP	12,022	2,735
Vilathikulam	TP	15,277	4,042
Walajabad	TP	14,684	3,590
		47,43,313	12,25,200