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BEFORE THE NATIONAL GREEN TRIBUNAL PRINCIPAL BENCH, NEW DELHI

ORGINAL APPLICATION NO. 199 OF 2014

IN THE MATTER OF:

ALMITRA H. PATEL AND ANR.

...APPLICANTS

VERSUS

UNION OF INDIA AND ORS

...RESPONDENTS

AND

THIRU K. PHANINDRA REDDY

PRINCIPAL SECRETARY TO GOVERNMENT

MUNICIPAL ADMINISTRATION AND WATER SUPPLY DEPT.

STATE OF TAMIL NADU

SECRETARIAT, CHENNAI

TAMIL NADU

...RESPONDENT

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Affidavit Representing the State of Tamil Nadu

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BEFORE THE NATIONAL GREEN TRIBUNAL PRINCIPAL BENCH, NEW DELHI

Original Application No.199 of 2014

IN THE MATTER OF:

Almitra H.Patel & Anr.

Applicants

Versus

Union of India & Ors.

Respondents

AND

Thiru. K. Phanindra Reddy,
Principal Secretary to Government,
Municipal Administration and Water Supply Department,
State of Tamil Nadu
Secretariat, Chennai
Tamil Nadu

Respondent

Principal Secretary to Government

Secretariat,

Chennal - 600 009.

& W.S. Department

AFFIDAVIT REPRESENTING THE STATE OF TAMIL NADU

I, K. Phanindra Reddy, son of Venkata Reddy aged about 49 years, residing at X-II/III-2, SAF Games Villages, Koyambedu, Chennai - 600 107 do hereby solemnly affirm and sincerely state as follows:

I am the Principal Secretary to Government of Tamil Nadu, Municipal Administration and Water Supply Department, Secretariat, Chennai – 600 009, the administrative department pertaining to the subject matter and as such I am well acquainted



D.N. DHURGASHA, B.Sc., B.L., ADVQCATE - NOTARY PUBLIC No. 114, IYAH MUDALI, STREET, CHINTADRIPET, CHENNAI-600 002

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with the facts of the case from the available records and I have been authorised to file this affidavit. I have read the judgment of the Hon'ble Tribunal dated 25.11.2014 in appeal no.70/2012 filed by Capt. Mall Singh & Ors. Vs. Punjab PCB & others and based on the judgment and in order to comply with the orders of Hon'ble Tribunal dated 02.12.2014 and 15.01.2015 in OA No.199/2014 filed by Almitra H. Patel and Anr. Vs. Union of India and others, I am furnishing the status of on going projects along with the plan expenditure for establishment of Municipal Solid Waste plants and the action plan with budget expenditure as detailed below :-

Status Report and Action Plan on Solid Waste Management in Tamil Nadu.

1. Background

Solid Waste Management (SWM) is an important obligatory functions of the urban local bodies in India. Over the years, the quantum of waste generated by different category of waste producers (Households, Commercial centers. Industries etc) has been increasing keeping pace with the increase urbanization, population growth, change in life consumption pattern and associated activities. The characteristics of the waste generated have also been varying with the level of urbanization.

Rapid urbanization has led to over-stretching the Municipal Solid Waste Infrastructure, because of the inadequate capacities in

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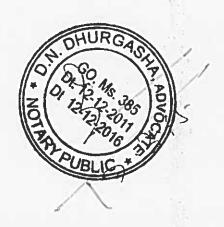
the existing systems. Augmentation of the solid waste management facilities and the sustainable operation & maintenance would require huge capital investment and introduction of latest technologies.

2. Dimensions of the Solid Waste Problem

Tamil Nadu is one of the most urbanized States in India with 48.40% of State population living in urban areas. The urban administration is handled by three heads of departments viz., Commissioner of Chennai Corporation, Director of Municipal Administration and the Director of Town Panchayats.

There are 664 urban local bodies in Tamil Nadu, consisting of 12 Corporations, 124 Municipalities and 528 Town Panchayats. The daily generation of Solid Waste in Tamil Nadu is about 15273 tonnes i.e., about 55.74 Lakh Metric tonnes per year. The Municipal solid waste being generated per day by Chennai Corporation, other Corporations and Municipalities, and Town Panchayats are 5000 MTs, 7579 MTs and 2676 MTs respectively. Due to population growth and increase in economic activity, the daily generation is destined to increase further there by demanding improvement in collection of solid waste, transportation, processing and disposal.

Public awareness on environmental issues related to reducing consumption and recycling the waste is low. As a result, the primary (household) segregation of recyclable components is correspondingly low. Downstream markets for recycled fractions has to be developed in a systematic manner. Informal waste recyclers do operate alone or in small groups, eking out higher-



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value recyclable materials to be sold on to consolidators, who pack the materials to other major recyclers.

In the Municipal Solid Waste Management, an approach to refuse, reduce, reuse, recycle and recover is being adopted to achieve efficiency and cost effectiveness apart from addressing the environmental issues.

3. Status of Solid Waste Management

Pursuant to the order of Hon'ble Supreme Court of India, Government of India notified Municipal Solid Waste (Management and Handling) Rules 2000 on 25.09.2000. In the said Rules, the following parameters of Solid Waste Management are recommended which are in practice in Tamil Nadu.

- Collection of Municipal Solid Waste with source segregation
- Segregation of Municipal Solid Waste
- Transportation
- Processing of Municipal Solid waste
- Safe disposal

3.1 Characteristics of Municipal Solid Waste (MSW)

About 50-60% of the Municipal Solid Waste generated in Urban Local Bodies of Tamil Nadu are bio- degradable in nature and the rest are recyclables and inert. The composition of MSW is as shown below:



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Food Waste	49%
Green waste	9%
Plastic	7%
Timber and Wood	5%
Paper	6%
Rags & Textiles	3%
Rubber & Leather	1%
Metal	1%
Silt and Debris	19%

3.2 Status of Primary Collection

- Door to Door primary collection through sanitary workers is in practice.
- Dumper placer bins, Compactor bins, large size Plastic containers, used plastic barrels of various capacities are being used for the primary collection and storage.
- Push carts, bicycles and mini-autos are being used for the primary collection and transportation.
- Separate system of vehicles and bins are being used for the collection of
 - (i) Bio-wastes from vegetable markets, Hotels, Restaurants and Marriage Halls (Bulk resources).
 - (ii) Bio-waste from Non-vegetable market stalls for the collection of Fish, Meat and Chicken waste.
 - (iii) Collection of Construction Debris and storage in the identified locations for reus.
- All urban local bodies have prepared workable action plans as per Municipal Solid Waste Rules 2000, describing the unit area of operation for each team of workers, requirement of vehicles and bins for the primary collection of waste.
- Adequate mobile/removable/ liftable bins have been provided so that people could find a bin within 250 meters to deposit

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- their waste. In the residential areas, wastes are collected by door to door and directly transferred to the vehicles. Vehicles with two compartments are provided for the storage of segregated wet and dry waste collected from the house-holds.
- Adequate fund have been provided to the local bodies under various Central and State sponsored schemes for the procurement of vehicles and implements required for the primary collection.
- An innovative initiative taken to place Deeper earth bins to store the different types of waste in separate colour coded bins has been implemented at Tambaram Municipality. State Government had sanctioned a sum of Rs. 7.89 Crore to Tambaram Municipality for procuring 471 no. of such bins.
- Clearing garbage from traffic congested areas is being done in the night.

Rag pickers and Plastic vendors

Segregation of recyclable and reusable dry resources from the urban solid waste collection bins is being done by the rag pickers. These rag pickers deposit dry resources to the nearby vendors and get money. Trichy Corporation has engaged rag pickers to recover the dry resources from its dumping yard through an authorized contractor; contractor will pay the wages to the rag pickers.

Special cleaning charges

Many urban local bodies have framed bye laws and notified them to collect special cleaning charges from the commercial waste generators to meet out the solid waste management operation and maintenance expenditure.

Workforce

1. Tamil Nadu Government has fixed norms for engagement of workforce at 3 for every 250 households (or) for each 3 kms, length of road.

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- 2. Similarly norms have also been fixed for the engagement of workers based on width and length of the road.
- 3. Government had issued clear orders to go for outsourcing of additional labour force (or) to go for the integrated SWM facility to meet the norms of MSW Rules.

Ready Reckoner:

The Ready reckoner containing 333 pages on MSWM has been published in 2008, for the use of ULBs for the effective implementation of SWM projects. A to Z information with relevant rules and norms are available in this ready reckoner.

Support to Primary collection under Urban Development Mission (IUDM)

Government of Tamil Nadu initiated an Integrated Urban Development Mission to create urban infrastructure in Urban Local Bodies. A total sum of Rs.212.32crore has been allocated to the Urban Local Bodies during the year 2011-12 & 2012-13 for strengthening the primary collection and transportation of Municipal Solid Waste, for which 254 Tipper Lorries, 175 dumper placer vehicles, 78 compactors, 58 front end loaders, 12 sullage lorries, 5 Tractors, 18 Mini Auto, 4801 push carts, 857 tricycles, 10420 Bins have been procured to augment the collection and transportation system

3.3 Secondary Transportation

Modern vehicles with tipping arrangement such as Dumper placers, Compactors, Hook loaders have been procured by the local bodies with the financial assistance of Central and State Governments for the secondary transportation of solid waste to the

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transfer stations, processing yards and compost yards. Introduction of such modern vehicles with covered arrangements have increased the efficiency of transportation of Solid Waste with hygiene and sanitation.

Covered vehicles

As required under the Municipal Solid Waste Rules 2000, the Solid Wastes are transported in covered vehicles such as Dumper placer and Compactor. When other vehicles are used wire nets are being used to prevent the spillage of solid waste in the streets during the transit.

Placement of large capacity Hook loader bins (8cum, 16 cum capacity) and Dumper Placer bin (4cum and 8 cum capacity) in markets and important junctions are found very much useful in clearing the garbage in minimum time.

Efficiency of collection and transportation

Radio frequency identity cards (RFID) are being used in the Solid Waste Management Transportation vehicles to monitor the frequency of collection, and quantum of collection, and number of trips made in a day etc., in the processing (or) dumping yard. This helps to ensure the collection efficiency, fuel efficiency of the secondary transportation vehicle.

3.4 Processing

a) Dry Resource Centres

The concept of Dry resource collection centres has been initiated in Coimbatore and Trichy Corporations and in various Municipalities. The Sanitary workers have been motivated to

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segregate and handover the collected dry resources such as plastics, tyres, metal and other waste to their respective ward offices. From such ward offices it will go to the nodal dry resource storage centre located in the various zones of the city. This practice has reduced the mixing of reusable, recyclable, and non-bio degradable waste.

In Coimbatore Corporation, a private company called I.T.C. pays incentives under the CSR project to the workers on the basis of weight of dry resources collected and handed over by each. The payment is directly being credited through ECS method. This has encouraged the sanitary workers to go for segregation at source.

In Trichy Corporation, a private contractor has been identified by a tender process and authorized to collect the dry resource on payment of agreed cost to the Corporation.

In Trichy Corporation, Women Self Help Group Members have also been trained to motivate the people to retain the dry resource wastes within their houses. Women Self Help Group Members will pay a consideration to the people by the way of giving toothpaste, soaps, shampoo, etc. in lieu of the waste received from such people.

b) Medical waste

1. As per notified Bio-medical waste management and handling rules 1999, all the medical institutions have been fixed with responsibility to dispose the waste generated through the appropriate facility created by private agencies.

2. Urban local bodies are strictly monitoring that Bio-medical waste generated by any institutions are not mixed with the

domestic waste handed over to the ULBs.



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c) Financial support

A sum of Rs.920.40 Crore has been allotted to the urban local bodies towards the following activities.

- 1. Infrastructure Development work (2005-06).
- 2. Purchase of Land for Compost Yard (2006-07).
- 3. Infrastructure Development work (2005-06 to 2010-11).
- 4. Scientific closure, Transfer Station Sanitary Landfill and Composting Plant (2007-08)
- 5. Scientific closure, Sanitary Landfill and Composting Plant (2006-07)
- 6. Sanitary Landfill and Composting Plant (2006-07)
- 7. Scientific Closure, Transfer Station 2 nos., Sanitary Landfill and RDF composting plant and Waste to Energy plant (2008-09)
- 8. Purchase of Primary collection, Secondary collection vehicles and Compost Yard development.
- 9. Purchase of Primary collection, Secondary collection vehicles and Compost Yard development.
- 10. 30 no. of Bio Methanation plants (2013-14)
- 11. Tirunelveli Waste to energy project, Scientific closure of Ramanayanpatti Dumpsite, Tambaram Litter free project, Coimbatore C&D waste processing plant, Bio-methanation plant 4 nos. in Tambaram & Coimbatore and MSW projects in 2 Corporations and 8 Municipalities under SWM Fund (2014-15).
- 12. Generation of enriched biogas production for Thoothukudi Corporation to be used as an alternative fuel for SWM secondary collection vehicle.
- 13. Implementation of Comprehensive Solid Waste Management Project comprising of source segregation, push carts, tri-cycles, secondary transportation through mini lorries, processing of waste through Resource Recovery Parks containing facilities for Windrow composting, Vermi composting, bio-shredding machines, mini aero-tillers etc., in 77 Town Panchayats at a cost of Rs.48.59 crore.

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d) Processing facilities on BOOT Basis

Processing facilities are in operation in the Corporations of Salem, Trichy, Erode, and Udumalpet, Pollachi, Coonoor, and Mettupalayam municipalities.

e) Composting and Vermi composting

Small Municipalities and Town Panchayats normally do Composting and Vermi composting thereby reducing the waste to the dumping yard. There are 36 ULBs which practice Windrow composting & Vermi composting and reduce 1387 MT of waste. Vermi composting is being done successfully in 50 Town Panchayats. The Vermi compost is being sold at Rs.5/-per Kg, and Bio-compost at Rs.3/-per Kg. Normally in Town Panchayats high end processing is not required hence by creating awareness on behavioral changes Reduce, Reuse, Refuse principle is encouraged and the volume of waste generated is reduced.

f) Bio-methanation from Vegetable, Market waste and Food waste

Bio-methanation power plant projects are under implementation by targeting the bulk generators of organic waste viz. hotels, restaurants, marriage halls, vegetable markets, slaughter houses etc., The funds were allocated to the tune of Rs.28.70crore to 23 Municipalities and 8 Corporations to set up 33 bio-methanation cum power plants of capacity ranging from 3T, 5T and 10T per day using segregated organic waste. The project works are at various stages and all 33 plants will be ready for functioning in 2015-16.



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In Coimbatore the Energy (GAS) produced through 3 Biogas plants are being utilized in Gasifier Crematorium, School Kitchen & Slum Community kitchen

Bio gas cum power generation plant using segregated organic waste with a capacity of 3TPD has been commissioned in Arcot Municipality on pilot basis, which is producing about 240 kwh power and being utilized for energizing the streetlights.

In Chennai Corporation 14 Nos. of Biomethanation power plants are established, of which 2 have been commissioned, 4 are nearing completion and 8 are under various stages.

Outcome of the Bio Methanation Project

Bio Gas Plant Capacity in MT	No. of Plants	Power Output per Day Kwh	Power Output per Year Kwh
10	3	2640	963600
5	25	10500	3832500
3	2	480	175200
Total	30	13620	4971300

After commissioning of all the Biomethanation plants, the expected generation (net) of electric energy per year will be 4971Mwh and the Emission Reductions will be 4225tonnes of CO2per year

Small scale Biogas plant is also encouraged in Hotels, Hostels, and Residential colonies, so as to utilize the vegetable and food wastes to generate effectively.

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The innovation of food waste to energy projects has already been implemented in Mamallapuram Town Panchayat. The capacity of the plant is 100 Cu.m. 10K.W electricity is being generated every day and this is being used for energizing street lights.

In Thiruneermalai Town Panchayat, 25 Cu.M capacity Bio gas plant has been setup at a cost of Rs.6.15 lakhs. The Bio gas plant produces gas from night Soil. 3000 Watts is being generated every day and is being used for energizing street lights.

g) Cluster based Waste to Energy Projects:

Cluster based regional processing and disposal facility of 300 TPD with Waste to Energy concept for handling solid waste in Pallavapuram and Tambaram Municipalities at Vengadamangalam is under implementation at an estimated cost of Rs.99 crore with the financial assistance of JnNURM on PPP mode with a concession period of 20 years. Necessary Environment clearance was obtained from State Environmental Impact Assessment Authority and Consent to Establish from TamilNadu Pollution Control Board was also obtained for implementation of the project. On completion of the project, the nearby four urban local bodies namely, Anakaputhur, Pammal, Sembakkam and Marimalai Nagar will also get face lift by not dumping their waste in their own area. This plant will start producing 2.9 Mega watt electricity per hour from August 2015 onwards.

Municipal Solid Waste Processing facility with Waste to Energy concept is under execution in Tirunelveli Corporation under Public



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Private Partnership mode at an estimated cost of Rs.55 crore. Initial land leveling work is being taken up.

h) Development of Scientific Landfill and capping of existing dumpsites:

Scientific Sanitary Landfills have been developed in Coimbatore at Kavundampalayam and Ondipudur and Madurai Corporations under JnNURM scheme. PPP operator has developed scientific sanitary landfill for Salem Corporation.

i) Construction and Demolition Waste:

Administrative sanction has been given for the Construction and Demolition waste project to Coimbatore Corporation. The estimated project cost of Rs 12.58. crore has been sanctioned under Special Solid Waste Management Fund of Tamil Nadu. By this project the entire C & D waste will be recycled and used as paver blocks.

j) Special Solid Waste Management Fund:

The Government of Tamilnadu had created a special Solid Waste Management fund of Rs.250 crores per annum vide G.O (Ms) No.351, Finance (FC-IV) dated: 12.08.2013 for carrying out Solid Waste Management activities for which Rs.150 crore for village panchayats and Rs.100 crores for Urban Local Bodies (ULBs) viz., Town panchayats, Municipalities and Corporations. Under this Fund 222 works have been taken up at an estimated cost of Rs.206.45crore of which Rs.143.56 crore has been sanctioned and the progress of works are in various stages of implementation. The details of work are furnished below;



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Name of the Project	Estimated Cost in crore	Grant	No.of Works
Waste to energy project in Thirunelveli Corporation	55.00	9.00	1
Scientific closure at Ramayanpatti dumping site in Tirunelveli Corporation	8.16	6.53	1
Litter free project in Tambaram Municipality	8.76	7.89	1
Construction of 5 MT Bio-methanation plant in Tambaram Municipality	0.90	0.45	1
Construction of Bio-methanation plant 120m3 capacity -3nos in Coimbatore corporation	1.69	0.85	3
Construction of 100TPD C&D waste in coimbatore corporation	12.58	11.32	1
Implementation of SWM project in Vellore corporation	2.63	2.37	6
Implementation of SWM project in Thanjavur corporation	11.86	10.67	7
Implementation of SWM project in Thiruvanamalai Municipality	13.93	12.54	26
Implementation of SWM project in Pollachi Municipality	4.61	4.25	9
Implementation of SWM project in Kumbakonam Municipality	11.17	10.05	12
Implementation of SWM project in Jeyankondam Municipality	10.24	9.22	20
Implementation of SWM project in Karaikudi Municipality	3.58	3.22	13
Implementation of SWM project in Melur Municipality	2.08	1.87	7
Implementation of SWM project in Palani Municipality	4.86	4.37	13
Implementation of SWM project in Rameswaram Municipality	5.83	5.25	24
Implementation of SWM projects in 77 Town Panchayats	48.58	43.72	77



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was taken up under Satellite Town Scheme under Government
of India scheme at a project cost of Rs.4.44 crore and has also
been provided with sufficient vehicles, machineries, Resource
Recovery Park with equipments and infrastructure facilities
have been provided.

Remaining Town Panchayats and other ULBs will be covered in phased manner to improve the solid waste management activities.

k) Plastic Roads

This Government has placed greater importance on the effective use of plastic waste to reduce environmental degradation. In order to ensure a plastic free environment in Corporations and Municipalities the black topping of roads have been done using waste shredded plastics. During the last four years, 871 Metric Tonnes of plastic waste has been utilized in laying 684.77 kilo-meters length of roads in Municipalities and Corporations. To promote the collection, segregation and shredding of plastic waste, Self Help Groups (SHGs) have been given training and they were engaged in shredding the plastic waste into flakes for which 14 Plastic waste collection centres with 43 shredding machines have been set up during 2013-14.

From the year 2011-2012 to 2013-14, a sum of Rs.44.50 crore was allotted for laying 236.154 Km of plastic roads. 490 No of shredding machines being used for this purpose in Town Panchayats. In Chennai Corporation 45 No of shredding machines have been procured and put into use.

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1) Corporation of Chennai

Technical Proposals were received from the bidders for setting up processing facilities in Chennai Corporation. Further tender processing is going on and work for the processing facilities will be awarded in three months. At present the garbage is dumped as open dumping. This open dumping practice was going on for a very long time. These dumping grounds are in use for more than 30 years even before the notification of MSW rules. At the time of starting of garbage dumping operations in these places not much habitation clusters were there. However, in order to improve the condition of the garbage dumping ground at Kodungaiyur and Perungudi the Corporation of Chennai has taken various steps as follows:

- Compound Wall around the periphery of the Dumping Ground has been constructed at a cost of Rs.2 crores.
- Inspection Towers have been constructed at 4 locations for monitoring the dumping operations.
- Two High Mast Lamps have been provided to carryout the garbage dumping operations and to monitor the dumping ground during the night.
- Cement Concrete Road to a distance of about 2 km has been formed for the movement of garbage lorries in the dumping ground. It has also been proposed to form further roads at the Kodungaiyur Dumping Ground at a cost of Rs.5 crore.
- Amenities such as sump and borewell are provided for extinguishing fire.

 Electricity connections and generators are provided dumping grounds.

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3.5 Capacity Building measures for Institutional strengthening

Intensive training have been imparted to the officers involved in Solid Waste Management through TamilNadu Institute of Urban Studies, Coimbatore, Engineering Staff College of India, Hyderabad, Administrative Staff College of India, Hyderabad and other leading Educational Institutions. The Directorate of Municipal Administration is conducting a Post Graduate Diploma in Solid Waste Management (PGDSWM) affiliated by Bharathiyar University through TamilNadu Institute of Urban Studies, Coimbatore.

4. Action Plan to fill the gap in the processing

4.1 Land

Land is the basic criteria for taking up processing activities. The details of lands available in Urban Local Bodies are furnished below:-

ULB	No of ULBs having sufficient Land for the projected population of 2025	No of ULBs having insufficient Land and action is being taken to alienate additional land	Total	
Chennai Corporation	1	-	1	
Corporations (except Chennai)	11	. 0	11	
Municipalities	92	32	124	
Town Panchayats	362	166	528	
Total	466	198	664	



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All the Corporations are having adequate land for handling and processing the Municipal Solid Waste with various technologies. Cluster approach is being adopted to attach the 32 municipalities and 166 Town Panchayats. Moreover 343 acres of land has been procured for 21 municipalities out of the funds sanctioned for this purpose.

4.2 Regional facilities on cluster based approach for ISWM projects

Cluster based approach is the new concept which primarily saves the land. Through cluster approach the waste management technologies such as segregation by local sorting and processing facility for windrow composting, recovery of recyclables, Waste to Energy, and development of scientific sanitary landfill will be developed by roping nearby municipalities and village panchayats.

Detailed Project Reports have been prepared for establishing regional facilities in the 5 identified clusters Tiruchirappalli, Tiruppur, Thoothukudi, Vellore and Nagercoil covering 4 Corporations and 25 municipalities and the Government have made announcements to implement the project with a total cost of Rs.631.39 crore.

Name of the Cluster	Cluster area	Qunatity of Waste in MT	Estimated Cost in crore. Rs	Techno logy Involved	Present status	
Trichy Corporation	Corporation area + 3 Municipalities Thoraiyur, Manapparai&Thoovakudi	247	123.05	Waste to energy and Scientific Land Fill, Compost Plant, Sorting Plant, Transfer Station & Shared Facilities	Waste to energy	
Thoothukudi Corporation	Corporation area + 2 Municipalities Kayalpattinam and Kovilpatti	237	94.88		Financial tie up being arranged	
Tiruppur Corporation	Corporation area + 5 Municipalities Udmalpet, Dharapuram, Vellakoil, Palladam and Kangeyam	633	194.60			

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Vellore	Corporation area + 11			Waste to	
Corporation	Municipalities Melvisharam, Vaniyambadi, Arakonam, Arcot, Walajapet, Tiruppatur, Jolarpet, Gudiyatham, Pernampet, Ranipet and Ambur	230	155.78	Compost tie	Financial tie up being arranged ar &
Nagercoil Municipality	Nagercoil Municipality + 3 other Municipalities Kuzhithurai, Padmanabhapuram and Kolachal	127	63.08		

Action will be taken to start implementation of atleast two clusters during the year 2015-16.

Action will be taken to form additional clusters or procure land to provide processing facilities for the 32 Municipalities and 166 Town Panchayats which have insufficient lands during 2015-16.

The initiative of Bio-methanation from kitchen / market waste will be expanded to realize full potential during the coming years after stabilization of the plants under construction.

During the year 2015-16 Integrated Solid Waste Management Projects from source segregation to vermi compost will be taken in 212 Town Panchayats at a cost of Rs.60 crore. The remaining Town Panchayats will be taken up during the year 2016-17.

During the year 2015-16 Detailed Project Report will be prepared for all the Corporations for conversion of C&D waste into useful products. Apart from Coimbatore action will be taken to implement the project in atleast three more Corporation viz., Chennai, Madurai, Tiruchirappalli.

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The existing dump sites in 7 Municipalities and 77 Town Panchayat will be revamped with the bio-mining process, using active micro organism and Trammel in order to rehabilitate /recover land for the beneficial use and also to reduce environmental impact due to the existing dumping site.

Funds available under the Solid Waste Management Fund (Rs.100 crores per annum), Swachh Bharat Mission (Rs.166 crores per annum) and other State and Central Schemes will be utilized to implement these projects.

This Hon'ble Tribunal may appreciate the fact that already cluster based Integrated Solid Waste Management Project is under Venkadamangalam covering Tambarm, implementation at Pallavaram, Pammal, Anakaputhur, Sembakkam and Maraimalai Nagar Municipalities which is expected to be completed by 30.06.2015. Detailed Project Reports have already been prepared for 5 clusters involving 4 Corporations and 24 Municipalities and work on atleast two clusters will commence during the year 2015-16. Action is also being taken to form further clusters if found necessary during the year 2015-16. A number of Corporation / Municipality / Town Pancyhayat level projects are already sanctioned during the past two years and all of them will be completed during 2015-16.

In essence the State of Tamil Nadu had taken a number of measures and has firm action plan with budgetary support to cover all the local bodies with adequate scientific processing facilities.



Principal Secretary to Government

M.A. & W.S. Department

Secretariat,

Chennai - 600 009.

No. of Correction Page No.

: Nil

In view of the above facts and circumstances stated herein, it is humbly prayed that this Hon'ble Tribunal may be pleased to record the Compliance affidavit filed by this State Government and to issue such orders as it deems fit and thus render justice.



Deponent

Principal Secretary to

M.A. & W.S. Department

Secretariat,

Chennai - 600 009.

VERIFICATION

I, the above named deponent, do hereby declare that the facts and information stated in the above stated paras are true and correct to the best of my knowledge and belief, no new plea is made and no material fact has been concealed there from and verified the same on this the day of March 2015 at Chennai.

Identified by me

Notary NO: 114, IYAH MUDALI STREET,

CHINTADRIPET, CHENNAI-600 002.

Principal Secretary t

M.A. & W.S. Demiment

Secretariat, Chennai - 600 009.

Filed through

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