

BEFORE THE NATIONAL GREEN TRIBUNAL SOUTHERN ZONE, CHENNAI

Original Application No.52 of 2020(SZ)

Tribunal on its own motion
Suo Motu initiated proceedings
Based on the News item published
in Dinamalar News paper-Supplimentary
Edition Chennai dt.28.02.2020 under
The caption "Dried Cauvery filled up
With Waste Water"

-Vs-

The Secretary to Govt.of Tamil Nadu
Department of Environment,
Govt.Secretariat, Fort St.George
Chennai and Others

Respondents

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COUNSEL FOR 11th RESPONDENT



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Respondent

Further Progress Report filed by the 11th Respondent Erode City Municipal Corporation

Erode City Municipal Corporation is having a population of 5.96 lakhs spread over an area of 109.52 sq.km consisting of 60 wards. There are 1.69 lakhs houses and 27386 commercial establishments. 33.75 MLD of sewage is generated from Erode City Municipal Corporation limit. The Corporation has installed a sewage treatment plant with a capacity of 50.55 MLD (MBBR Technology) at peelamedu Village, Vendipalayam. At present, 25379 Households are connected to sewage treatment plant through UGDSS. 26.00 MLD of sewage generated from these 25379 households is conveyed to sewage Treatment Plant (STP). The treated sewage after meeting the standards is discharged into perumpallam odai which finally joins with River Cauvery. The UGSS for another 18512 Households will be completed before August 2023. The Sewage generated from 13366 Households is collected through septic tank. The septage Collected from this septic tank has been treated in STP so that no sullage will be mixed in River Cauvery.

The Solid Waste Management Activities are being carried out as per Solid Waste Management rules 2016 as below.

The generation of Municipal Solid Waste is 196 MT/day out of which 73 MT is bio degradable wet waste, 7 MT is saleable dry waste, 76 MT is non-saleable dry waste, 1 MT of e-waste and 1 MT of domestic hazardous waste, 8 MT of Construction and Demolition Waste and remaining 30 MT are inert.

Door to Door Collection & Segregation

The garbage generated is collected by using 122 Nos of Light Commercial vehicles and 66 Nos of Battery-Operated vehicles. The hand driven pushcarts and tricycles are eradicated from garbage collection activities.

Erode City Municipal Corporation has deployed 508 permanent workers and 970 self-help group workers for daily Solid Waste Management activities. In addition to above 13 dumper placers, 6 compactors, 11 tipper Lorries has been used for secondary collection and transportation of dry waste, Inert and Construction and Demolition waste in the city limit. All the waste are segregated at household level by people themselves and handed over to cleanliness workers of corporation which is transported to concerned processing centers.

Processing of Solid Waste

Wet Waste

The Processing of wet waste is being done through following methods.

a. Micro Compost Centre:

24 Nos of micro compost centers were constructed under Smart City Mission with the capacity of 75 (TPD). At present 20 MCC's are Running at 63 MT Capacity. Around 58 MT of wet waste is being processed in above Micro Compost Centers and converted in to Manure. 10 MT of fruit and vegetable wastes are sent to Gaushala. The manure generated from above Micro Compost Centre were given to farmers at free of cost. The Manure is tested in Tamil Nadu Agricultural University, Coimbatore and found as good quality organic manure.

b. Bio methanation Plant:

Around 5 MT of wet waste from vegetable market and hotels are being processed in bio methanation plant located at vendipalayam compost yard.

c. Bulk Waste Generators:

60 Nos of bulk waste generators are identified in the city limit. 6 MT of wet waste from the bulk waste generators are being processed by themselves.

d. Home Composting: -

2 MT of wet waste generated in 6796 households are processed by themselves in their own agricultural lands and in their own places and backyards. All the 73 MT of Wet Waste are being processed scientifically without any dumping.

Processing of Dry Waste: -**1. Saleable dry waste: -**

Paper, plastic and metals are sold to local vendors by Cleanliness workers themselves (Daily 7 MT is sold out). The proceeds of the sale were shared among Cleanliness workers.

2. Non saleable Dry Waste: -

Non saleable dry waste will be processed through incineration. 1 No. of incinerator with a capacity of 25 TPD is under Running and another 1 No. of Incinerator with a capacity of 25 TPD is in Construction under smart city mission and are about to commence.

3. E waste: -

E-Waste processing tie up with SIKIS Scraps India pvt, ltd, Erode from 12.12.2022

4. C&D waste: -

A separate location at solar (TS number 11/1, 2, 3) with an extent of 10 Acre is earmarked for storage of C&D waste. The C&D wastes are used by producers themselves for filling in construction activities. Remaining waste is stored in Corporation site.

INERT & SILT

The inert & Silt generated in the city limit is being transported and stored in Vendipalayam Compost yard separately and is being used for filling low lying areas.

All efforts are being taken from Door-to-door collection, source segregation till processing and disposal of solid waste. Around 550 numbers of street bins were removed and most of the streets made bin less in residential areas. In Commercial areas and public places litter bins are placed and they are cleared on daily basis.

Bio Mining of existing legacy waste

The existing legacy waste in the river bank of Cauvery at Vairapalayam is entirely cleared through bio mining technology. As of now no solid waste and legacy waste polluting the river Cauvery. The existing legacy waste in vendipalayam around 6.00 lakh cubic meter of legacy waste is Cleared through Bio-mining technology.

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TIME FRAME FOR IMPLEMENTING SOLID WASTE MANAGEMENT RULES 2016

S.No.	ACTION PLAN	TIMELINE
1	100% Door to Door collection	Achieved
2	100% source segregation	Achieved
3	Implementation of Solid Waste Management Rules 2016	Enforced
4	Implementation of Plastic waste management Rules 2016	Enforced
5	100% Processing and Disposal of wet waste	Achieved
6	100% Processing and Disposal of saleable dry waste	Achieved
7	100% Processing and Disposal of C&D waste	Achieved
8	100% Disposal of E-Waste	Achieved
9	100% Processing and Disposal Non-Saleable dry waste	25 TPD Dry wastes disposed through the incinerator
10	Bio-mining in Vairapalayam dumping yard	Completed
11	Bio-mining in Vendipalayam dumping yard	Completed
12	Bin free status in residential areas	Achieved
13	Formation of SWM monitoring committee at municipal corporation level	Formed
14	Communicating the Reduce Reuse Recycle Concept to the community	Continuous process



 26/7/23
 COMMISSIONER
 Erode City Municipal Corporation
 Commissioner
 Erode City Municipal Corporation

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**FURTHER PROGRESS REPORT FILED BY THE
11TH RESPONDENT ERODE CITY MUNICIPAL
CORPORATION**

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