

IN THE NATIONAL GREEN TRIBUNAL, (SZ) CHENNAI

O.A. No. 230 of 2021 (SZ)

K.M.Sajeevan.....Applicant

Vs

The Chief Secretary, Government of Kerala,.....Respondents

REPORT NO. 2 FILED BY THE OTTAPPALAM MUNICIPALITY, 7TH RESPONDENT

Counsel for the 7th Respondent

P.B.SAHASRANAMAN

ADVOCATE

IN THE NATIONAL GREEN TRIBUNAL, (SZ) CHENNAI

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Dated this the 27th day of October, 2022

Counsel for the 7th respondent



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1. The Ottappalam Municipality has prepared an action plan and project report for the removal of legacy waste from the Panamanna trenching ground. The project report has been approved by the Municipal Council on 6-8-2021 and work is gong on.
2. For improving the storage and sorting facility Material Collection Facility (MCF) and Resource Recovery Facilities (RRF) has been decided to be installed. Material Recovery Facility (MRF) is a center where non-compostable solid waste can be temporarily stored by the local body or any person authorized by the ULB to facilitate segregation, sorting and recovery of various components of waste by informal sector of waste pickers or any other work force engaged for the purpose before the waste is delivered or taken up for its processing or

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3. disposal. *Suchitwa Mission* provides technical and financial support to Local Self Government Institutions for such units. A Resource Recovery Centre is a space provided with necessary infrastructure, machinery, tools and human power to sort, clean and store non-biodegradable discards from primarily sorted municipal waste and made available for production or consumption purposes. RRF will have bailing and shredding facilities. The recyclable waste will be sorted and channelized for recycling while the non-recyclable plastics are shredded and used for road tarring. RRFs are being established on a cluster/block level. MRFs in the cluster/block will be linked to RRFs. This was completed.
4. The setting up of storage facilities in cluster level is also completed as per action plan. Community composting (*Thumboormoozhi Model*) has been installed in two places and is functioning.
5. The Municipality has set up a bio composting plant with a processing capacity of one tonne per day for bio-waste treatment. The procedure for new tender processing is going on.

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6. The Municipality has formulated a new project in the finance year plan 2022-23 for removing the balance legacy waste from the Panamanna trenching ground. In the first phase 980 tonnes were already removed. The balance of about 2000 tonnes will be removed. For the same a detailed project for 2.5 core is under the final stage and it is expected to complete the project by 31st June, 2023 and there will not be any legacy waste after that.

7. An action plan detailing the works completed is produced separately along with this statement and marked as Annexure.R.7 (A) for reference.

Dated this the 27th day of October, 2022.

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**Solid waste management action plan
Ottapalalm Municipality**

Annexure.R.7 (A) (1)

Task	Target	As on 20.9.2021		As on24.11.2021		AS on 8/12/2021	As on 31/12/2021	as on 5/2/2022	18-03-2022	28/03/2022	12-05-2022	26-10-2022
		Time frame	Action to be taken	Time frame	Action taken	Action taken	Action taken	Action taken	Action taken	Action taken	Action taken	Action taken
Setting up solid waste processing facilities												
MCF and RRF Extension (4ton processing capacity)	Improve the storage and sorting facilities of MCF and RRF (Min. Of 1500sq ft), Provide basic facilities(restroom)for workers, Weighing machine etc. in MCF	31-Oct	Project implementation	31st october	90 percentag e of work completed	Final stage, 95% completed	completed	completed	completed	completed	completed	completed
Renovation of Windrow Composting Unit and Bio Waste collection (1 tonne per day capacity)	Installation of new machineries in Plant. The municipality had set up a bio composting plant with a processing capacity of one Tonne per day for bio waste treatment but plant is currently out of order due to malfunction of machinery.	30-Sep	Tender procedures and Implementation	30-Sep	Renovatio n of Windrow Compostin g unit started	Renovation of Windrow Compostin g unit started	Renovation of Windrow Composting unit started	Renovation of Windrow Composting unit started	project dropped New project for O W C is approved by council and DPC Tender procedure is on going	project dropped New project for O W C is approved by council and DPC Tender procedure is on going	Re tendered	Re tendered
Setting Up Storage Facilities in Cluster level	Construction of New Mini MCF in 10 different centres of Municipality	31-May-22	Tender procedures and Implementation	31-May-22	Tender procedure s and Implemen tation	Tender procedures and Implement ation	Forwarded letter to agency for implementa tion in the identified cites	12 sites identified for mini MCF and letter forwarded to AC agencies.	12 nos. of Mini MCF Installation started	12 nos of mini MCF installed. (completed)	Completed	Completed

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Bio waste collection from HH and institution	Community composting (Thumburmoozhi Model) has been installed in two places but has not started functioning. Ensure the functioning of existing Thumburmuzhi community level Bio waste composting unit in Two centres.	30-Sep	Special awareness programme and meeting in public protest areas.	30-Sep	Special awareness programme and meeting in public protest areas Completed	Thumburmuzhi community level bio waste composting unit functioning	Thumburmuzhi community level bio waste composting unit functioning	Thumburmuzhi community level bio waste composting unit functioning	Thumburmuzhi community level bio waste composting unit functioning	Thumburmuzhi community level bio waste composting unit functioning	Thumburmuzhi community level bio waste composting unit functioning	Thumburmuzhi community level bio waste composting unit functioning
Source level bio waste treatment equipment's to Households	Distribution of compost units to Households. Only for 2100 households Source level bio waste treatment facilities has been provided sofar, remaining HHs will be provided.	31-May-22	Tender procedures and Implementation	31-May-22	Discussion with IRTC is on progress Application received beneficiary list preparation going on	beneficiary list submitted before the council for approval	beneficiary list submitted before the council for approval	Beneficiary list approved by the council and implementation is going on.	Beneficiary contribution received and supply order issued to implementing agency	supplied Bio bin to all applicants	Project completed	Project completed
Ensure 100% Door to Door Collection from HHs and institutions.												

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Strengthening of Haritha karma sena	Strengthen the number of Haritha karma sena in Ward level as two members and provide door to door collection services in all houses and establishments. There are 43 Harithakarmasena members in Municipality at present. The present condition of door to door collection from 7260 households & 625 institutions is (58%) & (30.8%) respectively. It will be covered to 100%.	31-Oct	Strengthen the number of Haritha karma sena in Ward level as two	31-Oct	Household collection increased to 9545 and collection from institution is increased to 1084	Household collection increased to 9545 and collection from institution is increased to 1084	Household collection increased to 9545 and collection from institution is increased to 1084	Household collection increased to 9545 and collection from institution is increased to 1084	Household collection increased to 9545 and collection from institution is increased to 1084	Household collection increased to 9545 and collection from institution is increased to 1084	Household collection increased to 9545 and collection from institution is increased to 1084	Household collection increased to 9545 and collection from institution is increased to 1084
Awareness creation to public on Door to door Collection and user fee	House campaign by Peoples, representatives and HKS Members. Collection Calendar Distribution. Leaflet Distribution. Cluster level meetings, to RWA and Households in all wards. Special meetings and awareness campaigns to Commercial establishments. Establish Boards and Wall paintings on SWM messages	30-Sep	Implementation of IEC activities.	30-Sep	Awareness program completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
Reclamation of Historical Dumpsite in Panamanna Trenching Ground												
Scientific Estimation of legacy waste	Identify the agency and conduct estimation study	31-Aug	N.A	31 ST AUGUST	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed

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Project preparation and implementation for treatment and disposal of legacy waste (Bio mining and bio	An amount of 70 lakhs has been included in the annual plan 2021-22 for the treatment of legacy waste at Panamanna plant through bio mining /bio remediation.	31-Jul	Tender approval from Municipal Council and Project Implementation	31-Jul	Tendered	Tender received from 3 agency and pending before the council for approval	Tender received from 3 agency and pending before the council for approval	Tender received from 3 agency and pending before the council for approval	Re tendered	6 Offers received in the tender and fixed negociation with the bidder on 01/04/2022	Work started	work completed
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Setting up Sewage Treatment Plant (STP)												
Establishment of Sewage treatment Plant at west side of Municipal Bus stand Ottappalam	The KIIFBI project of 11.40 crore has been approved for sewage Treatment Plant (STP) and steps are being taken to set up at 52 cents west of the municipal bus stand. It has received the approval of the Pollution control Board .KMBR Rule Exemption and Fire NOC is not yet received .The STP plant will be set up as soon as it is received.	31-Jul-23	KMBR Rule Exemption and Fire NOC	31-Jul-23	Obtained fire N O C and issued Building permit and send toImpact Kerala	Obtained fire N O C and issued Building permit and send toImpact Kerala	Obtained fire N O C and issued Building permit and send toImpact Kerala	Obtained fire N O C and issued Building permit and send toImpact Kerala	Tender procedure is going on	Tendered	Tendered	Tendered
Dump site clearance and Beautification												
Clearing of Dump sites and Litter spots	Conversion and beautification of all litter spots identified in road sides. Surveillance Camera & Squad will be engaged	30-Sep	Installation of Surveillance Camera	30-Sep	Beautification process completed Squard work is going on. Camera is functioning at all litter spots.	Beautification process completed Squard work is going on. Camera is functioning at litter spots.	Beautification process completed Squard work is going on. Camera is functioning at litter spots.	Beautification process completed Squard work is going on. Camera is functioning at litter spots.	Completed	Completed	Completed	Completed

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