

# **“Plan for Garbage Free Star Rating Cities – Tamilnadu –Ramanathapuram Municipality”**

## **1. Preamble**

- Ramanathapuram is a Special Grade Municipality in Ramanathapuram District
- Extent of the town is 6.33 Sq.Km.
- The town is divided into 33 wards
- No. of assessments
  - Residential: 19851
  - Commercial: 6627
  - Bulk Waste Generator: 33
  - Industrial: Nil
- The population of the town as per 2011 Census is 64,257
- Per capita generation of solid waste 250 gms /day/ person
- Total quantity of MSW generation at households 20.00 TPD of which Wet waste is 14.00 TPD and Dry waste Quantity 5.00 TPD
- Inert & Silt quantity ( from street sweeping and drain cleaning) is 1.00 MT
- The total waste generation is 20.00 TPD

## **2. Base line indicator for the year 2020-21**

- MoUHA of GOI issued a Guide line to improve the service level of Solid waste management to maintain the city as “ Garbage Free city ” through :’ Star Rating “ protocol.
- Obviously to maintain the Ramanathapuram Municipality as “Garbage Free City “ the Gap on the each conditions to attain the star rating have been determined , accordingly action plan has been prepared to achieve the targeted star rating .
- The present status of the conditions laid down by MoHUA for star rating of Garbage free cities are evaluated as indicated in Table I and declared as Star I Town.

**Table 1**

S.No	Conditions laid down by MoHUA for Star Rating of Garbage Free Cities under Swachh Bharat Mission (U)	Required (%) for 1 star rating	Required (%) for 3 star rating	Current Status (%)
1	2		3	4
I	D2D Collection:	60	100	85 star 1
II	Segregation at source:	25	80	85 star 1
III	Sweeping of public, commercial and residential areas:	P & C area	P & C and Residential area	100 star 1
IV	Litter Bins, Waste Storage and Material recovery facilities			
IV.A	Litter Bins: Twin-Bin/ Segregated (Blue & Green) at every 50 – 100 meters,	25	80	35 star 1
IV.B	Waste Storage Bins (secondary storage)	Waste collected from the waste generators directly transported to the processing centre without any secondary storage		
IV.C	Availability of Material Recovery Facility	Site identify	Facility fully functional	star 3
V	Bulk waste Generators Compliance		All commercial Bulk Waste Generators	star 3
VI	User Charges, Penalties & Spot Fines and Enforcement of Ban on Plastic			
VI.A	User Charges			
i	Affordable & differential user charges	Notification	Affordable user charges Collected from all household/pre mises including residential, commercial, institutional,	Star 3

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1	2		3	4
			industrial establishments	
ii	Viable & sustainable user charges for star 5 and star 7			
VI.B	<b>Penalties and spot fines:</b> deterrent penalty /spot fines for non- segregation, anti-littering and non-compliance of SWM Rules 2016	Notification	Implemented in 100% premises including littering in storm water drains and water bodies	<b>star 3</b>
VI.C	<b>Plastic Ban:</b> ban on the use, sale and storage of non-biodegradable plastic bags less than 50 microns (Carry bag not less than fifty microns only shall be permitted), in compliance with Plastic Waste Management Rules 2016	Implementa tion of ban	Notification & enforcement of ban, enforcement of user fee by ULB, sale & storage of plastic bags>50 micron	<b>star 5</b>
VII	<b>Scientific Waste Processing, Scientific Landfilling and C&amp;D Waste Management</b>			
VII. A	<b>Waste Processing:</b> 'X' percentage of waste generated is processed	25	75	50 <b>star 1</b>
VII. B	<b>Scientific Landfill</b>	Marching towards Zero residue disposals as per State SWM Policy.		
VII. C	<b>C&amp;D Waste Management</b>			
i	Facilitation of use/ processing or recycling of C&D waste (primarily for bulk waste generators)	Notification of site	Designated facility operators exists-75% of C&D waste generated is used/processed within municipal limits or in designated	<b>star 1</b>

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1	2		3	4
			C&D recycling plant	
ii	Facilitation of collection of C&D waste from premises of retail (non-bulk) occasional generators or designation of collection points with reasonable distance (Max 5 KM)		75% municipal limits	star 1
iii	Provisions made for use of material made out of C&D Waste in 'X' percent of municipal construction activity- including in non-structural concrete, paving blocks, lower layers of road pavements, inner colony roads etc.		5% municipal construction activities	star 1
VIII	<b>Citizen Grievance Redressal and Feedback System:</b> At least 'X' percent of households (at least 1 member in each household) should have downloaded the App/ equivalent grievance redressal platform and 'Y' percentage of complaints related to Solid Waste Management received on Swachhata App/ equivalent grievance redressal platform are resolved within SLA	swachhata app download at least 5 % HH	Downloaded by 10% households and 75% grievance addressed	star 1
IX	<b>Dumpsite Remediation:</b> Remediation of all identified dumpsites in the city	Yet to Start	Plan has been approved and work commenced	star 1
X	<b>Drains and Water Bodies:</b> No visible solid waste in storm water drains and water bodies in 100 percent of	100 % water bodies	100% water bodies and storm drains under	star 1

S.No	Conditions laid down by MoHUA for Star Rating of Garbage Free Cities under Swachh Bharat Mission (U)	Required (%) for 1 star rating	Required (%) for 3 star rating	Current Status (%)
1	2		3	4
	premises under ULB jurisdiction		ULB jurisdiction	
XI	<b>Waste Reduction – Application of 3R Principles in MSWM :</b>	Quantifiable reduction in waste generated by the city on a per capita basis, in the past year -		
XII	<b>City Beautification :</b>	Visible beautification of city, including repairs and maintenance of infrastructure under ULB jurisdiction to achieve a clean and aesthetically pleasing city -		

❖ As per the above assessment the Ramanathapuram Town is in the position of “ STAR RATING 1 “ for the base year 2020-21

### Gap Analysis

Ramanathapuram Municipality has aimed to achieve 3 star rating in the coming years. The gap in achieving 3 star rating is analysed based on the above mentioned 12 indicators and felt that Ramanathapuram Municipality has to improve its activities in SWM under the star rating conditions nos. I, II ,III, IV, VII, VIII and X

### Action Plan for Bridging the GAP to achieve the targeted STAR RATING in the subsequent years.

To sustain 1 star rating in the year 2021-22 and to achieve the 3 star rating, in the year 2022-23, 2023-24 and 2024-25

Ramanathapuram Municipality has planned to take the following actions:

- To full fill the condition I & II to obtain the star 3 rating in the year 2022-23,2023-24 and 2024-25 , it is planned to Purchase additional primary collection vehicles such as 15 nos. of battery operated vehicles, 6 nos. of Light Commercial Vehicles and purchase of 250 numbers of litter bin at an approximate Project Cost of Rs.70 Lakhs in the year 2021 , subsequently it is planned to substitute the vehicle which becomes

discarded every year, due to the non functional status due to the age of vehicle by closely following the procurement process.

- To full fill the condition I, II & III to obtain the star 3 rating in the year 2022-23, 2023-24 and 2024-25 it is planned to outsource additional 112 manpower initially for collection of solid waste at a cost of Rs.184.00 lakh/annum and proposed to increase the manpower for the subsequent years to sustain the solid waste management activities.
- To full fill the condition IV to obtain the star 3 rating in the year 2022-23, 2023-24 and 2024-25 it is planned to accelerate the procurement process to get the sufficient numbers of litter bins for placing the same in public and commercial area.
- To full fill the condition VIII to obtain the star 3 rating in the year 2022-23, 2023-24 and 2024-25 Continuous action is being taken to propaganda to down load the Swachhata app for redressal system
- To full fill the condition X to obtain the star 3 rating in the year 2022-23, 2023-24 and 2024-25 awareness programmes are being taken sustainably round the year, among the citizen to prevent the behaviour of throwing solid waste into the storm water drain.

Target for the year			
2021-22	2022-23	2023-24	2024-25
Star 1	Star 3	Star 3	Star 3

  
Sanitary Officer  
Ramanathapuram Municipality

  
Commissioner/IC  
Ramanathapuram Municipality

  
19/12/2020

  
19/12/2020