

ASSESSMENT OF SOLID WASTE MANAGEMENT PROGRAMME IN MALUMICHAMPATTI PANCHAYAT, MADUKKARAI BLOCK, COIMBATORE

NEW SOLID WASTE MANAGEMENT RULES 2026

Four Stream segregation of Solid Waste at source



FIELD STUDY REPORT
JULY 2026



Submitted To
DISTRICT RURAL DEVELOPMENT AGENCY
(DRDA)
DISTRICT COLLECTORATE, COIMBATORE

Submitted By



CDER

(CENTRE FOR DEVELOPMENT AND ENVIRONMENTAL RESEARCH)

(A Unit of Green India Trust)

Coimbatore - 46

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FOREWARD

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Additional Collector (Development)

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Solid Waste Management is the systematic administration of activities associated with the generation, collection, transportation, processing and disposal of discarded materials. Its primary goal is to minimize environmental and health hazards, prevent pollution and recover valuable resources. It is very much significant to note that the SWM Practices at Panchayat Level has become a challenging task due to the heterogeneous demographic, social and economic background of the households and awareness level.

In this context, it was aimed to conduct a field survey about SWM Practices and its challenges in Malumichampatti Panchayat, Madukkarai Block, Coimbatore. To evaluate and assess the current practices, challenges and to derive suitable policy recommendation, the present study was initiated. This field study was assigned to CDER (Centre for Development and Environmental Research), a research institute based at Coimbatore, to carry out the study in Malumichampatti Panchayat. I commend that the study was conducted in a systematic manner among 257 households and the findings and suggestions have been drawn from the analytical part of the first hand data. We appreciate Prof. Dr. R. K. Govindarajan, Director, CDER who conducted this study for his scholarly input and commitment in conducting the study. Further, we also appreciate the Research Staff, CDER and Research Scholars, Department of Economics, PSG College of Arts & Science who have conducted the field survey systematically within a stipulated time.

I strongly believe that this report will be very much useful to frame future course of action and suitable policy recommendations in the SWM practices in Malumichampatti Panchayat and similar areas.



Thiru. SANKET BALWANT WAGHE, IAS

ACKNOWLEDGEMENT

Prof. Dr. R. K. GOVINDARAJAN
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This study on “**Assessment of Solid Waste Management Programme in Malumichampatti Panchayat, Madukkarai Block, Coimbatore**” was assigned by the **District Rural Development Agency (DRDA)**, Coimbatore District, to our Research Institute namely, **CDER (Centre for Development and Environmental Research)** and the study was funded by our Green India Trust, Coimbatore to support the community initiative.

We acknowledge the initiative and commitment of **Thiru. Sanket Balwant Waghe, IAS, Additional Collector (Development), DRDA** for assigning this field study and having trust with us. I owe my sincere gratitude to him for his dedication and planning in guiding us to conduct the Solid Waste Management (SWM) Study in Malumichampatti Panchayat. His motivation and official support was instrumental to complete the study in the stipulated time period (May-July 2026).

We also acknowledge the official support provided by **Thiru. Abdul Wahab, Assistant Project Officer, Block Development Officer, Dy. BDO and Secretary, Malumichampatti Panchayat**, by providing necessary secondary data and assisting in the field survey. The assistance provided by the ‘Thooimai Kaavalar’ during the survey is highly appreciable. It is noteworthy to convey our gratitude to the Ph.D. Research Scholars, **Department of Economics, PSG College of Arts & Science**, Coimbatore, for their involvement and commitment in collecting the primary data and completing the survey in time.

Our sincere gratitude is due to the Members of Advisory Board, CDER and Secretary, Principal and Head of the Department of Economics, PSG College of Arts & Science for their support in conducting the study.



Prof. R. K. GOVINDARAJAN

4. SWACHH BHARAT MISSION GRAMEEN (PHASE-II)

The Swachh Bharat Mission Grameen (Phase-II) provides the operational framework for implementing SWM in rural areas. The key objective of SBM-G Phase II is to sustain the ODF status of all rural villages and to improve the level of cleanliness by making arrangements for solid and liquid waste management as ODF Plus by 2024-25.

Under SBM-G Phase-II, GOBARDhan (Galvanizing Organic Bio-Agro Resources Dhan) is an integral part of solid waste management. Information, Education, and Communication (IEC) activities are being undertaken to raise awareness about the programme. The mission provides guidelines for:

- Door-to-door waste collection
- Transportation of solid waste to village-level collection and segregation centres
- Purchase of motorized vehicles for waste transportation
- Establishment of Resource Recovery Centres (RRCs)

5. OBJECTIVES OF THE SURVEY

1. To know the present practices of Solid Waste Management in the Malumichampatti Panchayat of Madukkarai Block.
2. To assess the willingness and awareness level of the households in Solid Waste Management and its rules.
3. To know the awareness of households on Four Stream segregation, environmental impact, recycling and composting habits.
4. To identify the challenges faced in waste disposal system and to suggest suitable measures to improve the SWM practices.



Discussion on Field Survey was held at Malumichampatti Panchayat Office by the Director, CDER with the Secretary, Dy. Block Development Officer, 'Thooimai Kavalar' and Field Investigators

6. METHODOLOGY

The survey on SWM Programmes in Malumichampatti Panchayat was conducted during June 2026. In order to examine the objectives of the study, a systematic methodological framework was constituted about Malumichampatti Panchayat in Madukkarai Bloc, Coimbatore District.

A total of 257 households were surveyed across the panchayat from the total population of 10,264 households. The samples were selected using stratified proportionate random sampling technique from each village/hamlet, which is presented in the table. The sample households were randomly selected across all the 12 wards ensuring representation from all categories of households.

Table 1 – Sample Selection for the Study

S.No.	Name of the Village/Hamlet	Total Households	Sample Households
1	Malumichampatti	6,946	174
2	J. J. Nagar	286	7
3	Ambedkar Nagar	1,760	44
4	Kallangaatu Pudhur	1,148	29
5	Annapuram	124	3
Total		10,264	257



Team of Field Investigators with the Director, CDER and Panchayat Secretary

Data Collection: A structured interview schedule was framed to collect the required information from the households across the panchayat by personal interview method. The survey captured significant responses across various domains including socio-economic profile, waste generation, segregation practices, awareness and satisfaction levels, challenges in SWM practices etc. The information from 257 sample households has been collected through Google Form for analytical purpose.



Data Collection from the households by the FIs

9. CONCLUSION

The Malumichampatti panchayat, like many peri-urban settlements in India, faces the dual challenge of increasing waste generation on the one side and improper waste disposal method on the other side. Consequently it leads to multiple issues and challenges such as open dumping, scattered spreading of plastic waste and environmental health issues. In order to systematize and streamline the SWM practices, an extensive and intensive door-to-door awareness program has to be undertaken immediately. The findings of the study have clearly listed out the challenges in the present waste collection method and the need for strictly implementing the SWM Rules, 2026. Since, the nature of SWM practices involves a collective responsive strategy, the community participation is the core strategy for the success of the practice.

It is understood and observed from the study that the source segregation practice of waste is only around 60% in Malumichampatti panchayat. It was also observed that the source segregation was not followed in most of the households as per the norms in two-stream segregation. As far as the 4-stream segregation is concerned, majority of the households are either not interested or not aware. Further, most of the households are suggesting for placing adequate dust-bins on the street to dispose the segregated waste. A sizeable number of households also suggest that they prefer door-to-door collection but there should be frequent visit by the 'Thooimai Kavalari'. Based on the analysis and discussion, few policy suggestions have been listed out for further action by the concerned authorities.

*Note:

For Full Report of the study contact Director, CDER