

Puducherry Municipal Services Pvt. Ltd.

WELCOME
TO
PRESENTATION ON
CONCERNS RAISED THROUGH
SIGNATURE CAMPAIGN

FORMAT

- 
- **CONCERNS OF AUROVILLE RESIDENTS**

- 
- **ROLE OF PMSPL IN ADDRESSING THE CONCERNS**

Puducherry Municipal Services Pvt. Ltd

India's first truly Integrated Municipal Solid Waste
Management Project

An Overview

Scope of Services



- City Sanitation comprising street sweeping & cleaning of drains
- Primary and Secondary collection of waste including door to door collection
- Secondary transportation of the waste to processing facility
- EIA & Preliminary investigations at the processing and disposal facility site
- Design, Engineering, Construction, Operation & Maintenance of Waste processing facility
- Design, Engineering, Construction, Operation & Maintenance of Scientifically engineered sanitary landfill facility
- Post closure monitoring of landfill

Operational Fleet



City Sanitation

- Street Sweeping
- Drain Cleaning



Collection of waste

Primary Collection – All

- Storage bins – Primary, Secondary & others



Collection of waste...

Primary Collection – Households

- Pushcarts and Tricycles



Collection of waste.....

Primary Collection – Shops & Commercial Establishments

- Pushcarts and Tricycles



Collection of waste.....

Primary Collection – All

- Auto Tippers



Collection of waste.....

Secondary Collection – All

- From Secondary Bins & Auto Tippers



Secondary Transportation of waste

Secondary Transportation – All

- Refuse Compactors, Tractor Trailers, Tipper Trucks..



Collection & Transportation – Issues

Residents to use PMSPL Customer Care Centre to register complaints on

- Door-to-Door Collection
- Uncleared / Overflowing Bins
- Service Issues



1800 1038 552

D2D Campaign for Households

**PMSPL commences
Door-to-Door Collection & Transportation
of Solid Waste in your area**

Daily waste collection time: 6:30 am to 11 am



wet waste
includes fruits, rice, vegetables,
meat, fish bones, garden waste

**Segregate the waste
&
Save our environment**



dry waste
includes plastics, newspapers,
aluminium, glass, paper, magazines

Please do

- keep your waste separately in two bags - wet waste & dry waste
- handover the segregated waste to our community worker when they ring their vehicle bell
- wrap all broken glass pieces in paper and seal for safety

Please do not

- mix medical waste with any other waste
- litter on streets or open areas
- throw the waste into drains

**India's first
Integrated Municipal Solid Waste Management Project
For a Clean Puducherry**

For any queries please contact us at our toll free number: 1800 1038 552



D2D Campaign for Shops & Establishments

NOTICE



குப்பைகளை தெருக்களில் கொட்ட வேண்டாம்

DO NOT LITTER ON STREETS

தயவுசெய்து குப்பைகளை உங்கள் கடைகளுக்கு
முன்பு தனி பையில் வைக்கவும்
அல்லது
துப்புரவு பணியாளர்களிடம் கொடுக்கவும்
அல்லது
அருகாமையிலுள்ள குப்பைப் பெட்டியில் போடவும்

*Please keep the segregated waste bag in front of your shop
or
handover to the Community Worker
or
drop in the secondary storage bin nearest to you*

Secondary
Storage
Bin



Community
Worker

தூய்மையான புதுச்சேரியை உருவாக்குவதற்கு ஒருங்கிணைந்த
நகராட்சி திடக்கழிவு மேலாண்மை திட்டம்

*An Integrated Municipal Solid Waste Management Project
For a Clean Puducherry*

மேலும் விவரங்களுக்கு எங்களை தொடர்புகொள்ள வேண்டிய இலவச எண்: **1800 1038 552**
For any queries please contact us at our toll free number: 1800 1038 552



Other Initiatives

- World Environment Day
- Sanitation Week



Other Initiatives



Raj Bhavan Area

Before



After



Rue Roman Rolland Street

Before



After



Villianur Road

Before



After



Ariankuppam Road

Before



After



CONCERNS OF AUROVILLE RESIDENTS

MAJOR CONCERNS



- Burning of waste & associated stench
- Biomedical waste
- Segregation of Waste
- Proximity to the airport
- Relocation of the landfill

Integrated Municipal Solid Waste Processing Facility

India's first truly Integrated Municipal Solid
Waste Management Project

Waste Processing Facility



- Location
 - **Kurumbapet Village, Villianur Sub-Taluk**
- Total land area allocated
 - **23.88 Acres**
- Estimated Solid Waste Generation
 - **400 TPD**
- Design period: 19 years
 - **19 Years**
- Consultant
 - **ABC Techno Labs Pvt Ltd India**

Components of the ISWM Facility



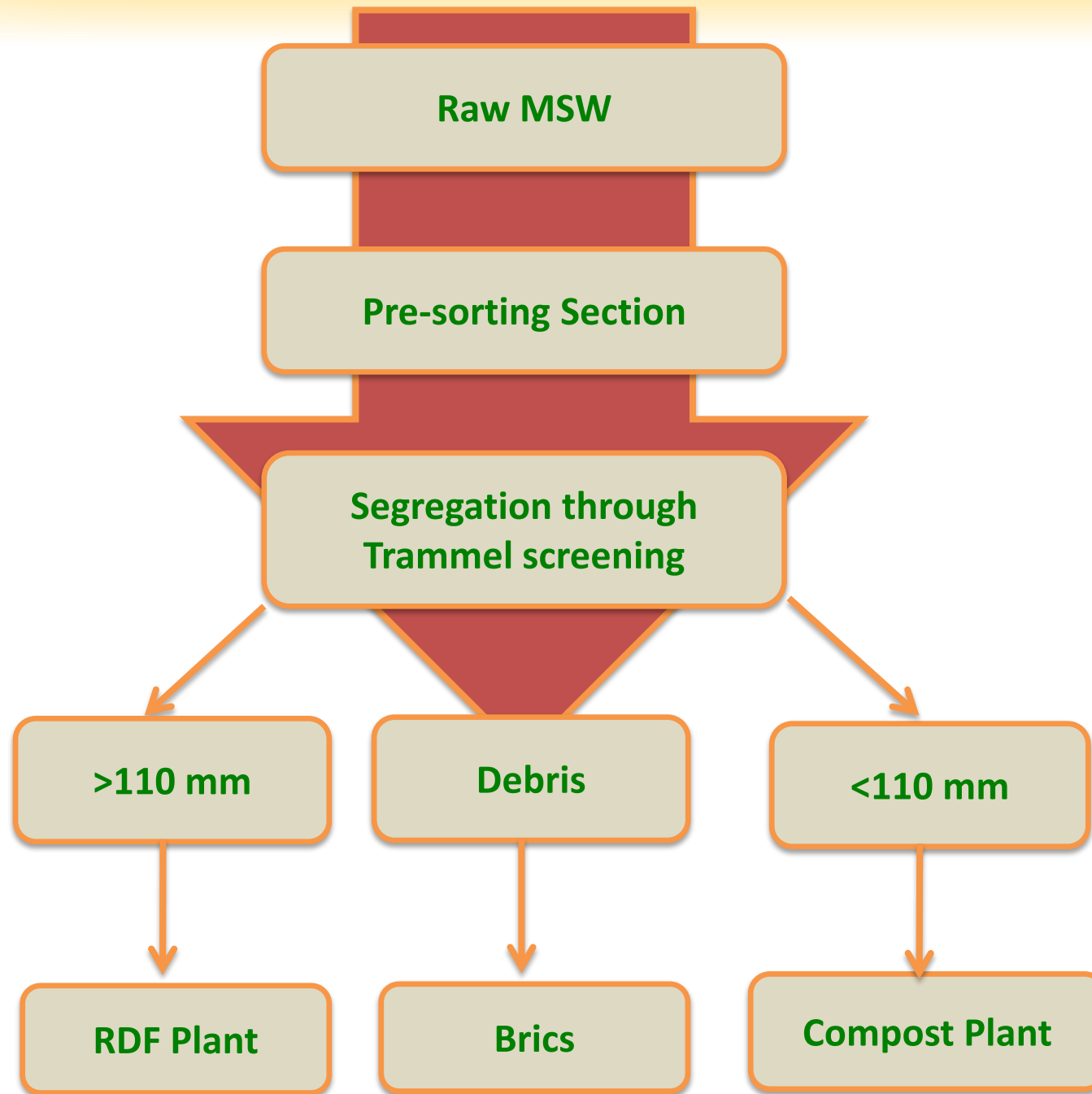
- **Compost Process**
- **RDF (Refused Derived Fuel)**
- **Eco-Bricks**
- **Leachate Treatment Plant**
- **Scientific Landfill**
- **Green Belt Development**

Processed waste

- **Compost**
- **RDF**
- **Eco Bricks**



Processing Technology



Sanitary Landfill facility

- Sanitary Landfill will be developed in scientific manner
- Bottom layer of the Sanitary Landfill is impervious
 - 900mm thick amended Clay Layer
 - 1.5 mm thick HDPE Geo-membrane
 - 200 mm thick sand layer
 - 300 mm thick drainage layer
- Leachate network will be provided for collection of leachate in Sanitary Landfill



Leachate Collection Network Preparation



Final appearance of Landfill site after Capping



Preserving Enviorns

India's first truly Integrated Municipal
Solid Waste Management Project

How Pollution is avoided at various Levels?

How surface water pollution is avoided



- No let off of rain water outside the project premises
- Dedicated network of storm water collection and usage
- Separate network for leachate collection and treatment
- Use of collected rain water for green belt development

How ground water pollution is avoided

- Impermeable concrete platforms for windrows
- Leachate collection and treatment network
- Multilayered sanitary landfill to ensure zero seepage to ground

How air pollution is avoided



- Spray of “Effective Micro-organisms” (EM) solutions to avoid flies and odour
- All processing except for composting in covered sheds only
- Windrows method employed for composting ensuring appropriate moisture content to avoid air pollution
- No burning of waste

Benefits from the project

- Direct and Indirect employment opportunities
- No degradation of Environment due to Scientific approach
- The useful fractions of the solid waste shall be put to use by:
 - Recycling of recoverable materials
 - Composting of bio-degradable waste
 - Manufacturing of refuse derived fuel
 - Manufacturing of eco-bricks
 - Saving of land by using Scientific Landfill

**PLEASE SUPPORT US
IN MAKING
PUDUCHERRY**

THE CLEANEST CITY IN INDIA