Puducherry Municipal Services Pvt. Ltd.

WELCOME

TO

PRESENTATION ON

CONCERNS RAISED THROUGH
SIGNATURE CAMPAIGN
• 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..
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

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

DO NOT LITTER ON STREETS

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.

An Integrated Municipal Solid Waste Management Project For a Clean Puducherry

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

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Site Details

• 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

Raw MSW

Pre-sorting Section

Segregation through Trammel screening

>110 mm → RDF Plant

Debris → Brics

<110 mm → Compost Plant
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 Environs

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