

Proposal for Solid Waste Management as per SWM Rules 2016

ORM Green, 5F, 11 Tolstoy Marg, New Delhi.

Contact – Manish Pathak | +91 9990092092 | www.ormgreen.org

PURPOSE

The purpose of this document is to explain the concept and broader plan around making Industries an Ecosmart Campus as per the compliance for Bulk Waste Generator regulation under SWM 2016 rules. Date : 11/10/2018

1.0 Background

Administration of Dadra and Nagar Haveli, Union Territory, Urban Development Department has published draft bye laws on the lines of model draft bye laws published by Ministry of Urban Development Govt of India. The draft bye laws has provided the definition of Bulk Waste Generators and has made it mandatory for them to management their waste by their own or manage the compliance with some common processing site in accordance with Solid Waste Management Rules 2016. Silvassa Municipal Council has further defined the list of Bulk Waste Generators as per order No. SMC/CO/SBM/2016/60/1791 dated 05/07/2018.

The list of Bulk Waste Generators is defined under bye law no. 3.11 of DNH, Silvassa Municipal Council (SMC) Solid Waste (Handling and Management) bye laws, 2018 and subsequent order by SMC is provided in attachment with this proposal.

Rurban Cleantech Pvt. Ltd. (RCPL) is the SPV company established to implement the ISWM (Integrated Solid Waste Management) project in DNH under agreement with SMC and Zila Panchayat as the nodal agency. RCPL is provided with the land for developing common waste processing plant and non-hazardous Industrial waste management plant.

ORM Green is a Not-For-Profit organization, which has entered into agreement with RCPL to propose and undertake the projects of non-hazardous solid waste management projects for bulk waste generators in the area of service of RCPL. Under this arrangement ORM Green is proposing to provide Solid Waste Management offer to all the Bulk Waste Generators.

2.0 Proposal for Industry

Industries, which fall in the Bulk Waste Generator (BWG) category, may award us the project for compliance management of their non-hazardous waste management. The mode of project shall be on annual basis with provision of payment on annual/quarterly/monthly basis.

ORM Green shall deploy their resources for collection, transportation, processing and management of the waste as per the SWM Rules 2016. A certificate shall be issued to the BWG for compliance of SWM Rules 2016 for non-Hazardous, non-C&D waste management. ORM Green shall implement plants and equipment for management of such waste at the specified site for efficient and compliant management of waste to mitigate worst environmental impact of the waste.

The standard minimum cost for the project proposed for the industry is

| Type of Industry | Annual payment (Rs.) | Quarterly Payment (Rs.) |
|-------------------|----------------------|-------------------------|
| Micro size units | 12000 | 4500 |
| Small size units | 36000 | 15000 |
| Medium size units | 60000 | 21000 |
| Large size units | 120000 | - |

In cases where quantity of waste high for some industries, a separate rate shall be proposed post inspection of the premise and analysis of quality and quantity of waste material.

For C&D waste material – For C&D waste material a separate transportation arrangement is provided. The cost for the C&D waste management shall be

- Rs. 2000/- per trip or Rs. 3800/- per MT whichever is higher.

3.0 Working Approach

Upon getting the project awarded, the team of ORM Green shall

- 1- Make a visit to the project site
- 2- Suggesting the necessary bins or implements to keep the waste material
- 3- Provide the pickup schedule for the waste
- 4- Organize awareness campaigns for industry for efficiently managing their waste
- 5- Provide certificate to industry for compliance of the SWM Rules 2016

4.0 About ORM Green

Today, **waste, water & energy** can all be recovered – transforming what is discarded into a valuable resource. **ORM Green** embraces this future by developing sustainable solutions to reprocess organic reject at a point it originates, thereby preserving and replenishing the world's resources and reducing carbon footprint.

Our solutions even take care of waste of the waste, leaving no **carbon footprint**.

We are a not for profit organization registered under societies registration act 1860 with appropriate exemptions given by Government of India under IT acts.

Our mission is to keep innovating for better environment hence better living.

Our Focus is: Sustainable Development and Environmental Protection

Our USP: Decentralized, Compact & Remotely Managed Solutions for our clients

Smart Solutions for

- ✧ Zero Waste Cities, Campus & Building Complex
- ✧ Horticulture Waste Management
- ✧ Organic Waste Management
- ✧ Mandi & Hotel Waste Management
- ✧ Temple Waste Management
- ✧ Water Management of Parks without using Ground Water
- ✧ Waste water Management of Residential/Commercial/Industrial areas
- ✧ Energy (Electricity & Heat) Recovery from waste

Our Smart Solution

- ✧ EcoSmart Campus™
- ✧ Smart Composting+™
- ✧ Smart bioCNG+™
- ✧ SWIMS™ (Smart Waste Water Recovery & Irrigation Management system)
- ✧ Smart Green Waste Management
- ✧ Smart Clean & Healthy Drinking Water
- ✧ Odor Management
- ✧ Mosquito & Midge Management

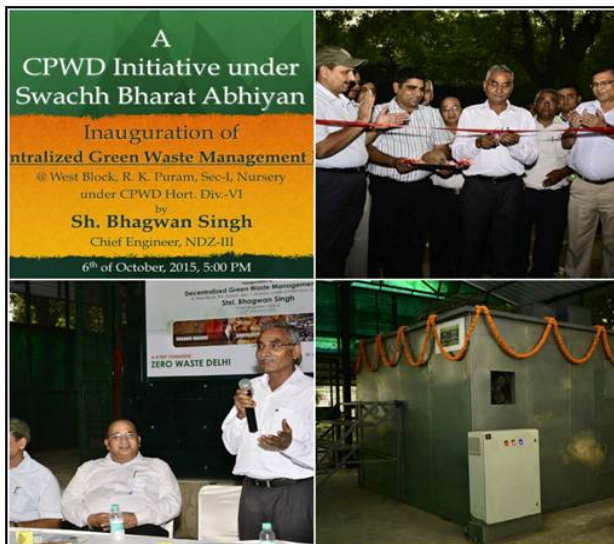
High Points



India's first Flower Waste Management at Sai Mandir, Lodhi Road, New Delhi - Inaugurated by Mrs. Shiela Dixit, the then CM of Delhi



Decentralized Horticulture Waste Management at NDMC parks, New Delhi - Inaugurated by Hon'ble, UD Minister Mr. Venkaiah Naidu and the then MoS MoUD Shri Babul Supriyo



Green Waste Reprocessor Plant at RK Puram Park, New Delhi - Inaugurated by AGM, Er. Bhagwan Singh, CPWD



Launch of Phase 1 of EcoSmart Campus at Rashtrapati Bhavan - Inaugurated by Mrs. Omida Paul, Secretary to President of India



SWIMS™ for reuse of wastewater at SDMC Nursery, New Delhi - Inaugurated by SDMC's Commissioner Mr. Puneet Goel and Leader of the House Mr. Radhey Shyam Sharma



Hon'ble MoS MoUD Sh. Rao Inderjit Singh taking a live demonstration of household organic waste management plant GreenRE as part of EcoSmart Campus at his residence