



Environmental Statement

DCSEM, a service organisation of Department of Atomic Energy (DAE), involved in construction, services and estate Management of residential township and office buildings in Mumbai City. DCSEM is committed to prevent pollution and achieve self-sustainability in waste management, gardening & flushing water requirements and zero discharge.

Our motto is Clean and Green Anushaktinagar. Continual improvement is our strength to reduce pollution and to achieve self-sustainability in waste management.

A. Wet Waste Processing:

Bio Gas plant:

Different type of Biogas Plants been installed in Anushaktinagar. Different type of technologies is used for the construction. modular bio gas plants. This plant works on the Bio gas technology developed by BARC, which generates Methane gas & manure. The Methane gas generated from plant is being utilised for generating electricity by Bio Gas Generator. Electricity so generated is utilized for running the processing machineries. Manure is being used for in house Lawns & Gardens. Some Bio Gas units on Nisurguna biogas plant technology by BARC are installed One pilot plant is also installed experimental basis on Sesha Technology by BARC.

Composting Pits:

Composting is being done in specially created pits for making compost with the help of suitable Culture & Coco peat. Composting is also being done using organic composter. Manure so generated is being used for in house Lawns & Gardens.

B. Garden Waste:

Garden waste generated is shredded in machines to very small partials. This shredded material is used as manure in our in-house lawns & Gardens and for Vermi- composting.

C. Non – Recyclable dry waste is processed in Plasma magnetic Incinerator.

D. Dry Garbage & Domestic hazardous waste:

Recyclable plastic wastes

Recyclable plastic wastes are segregated and compressed at an installed plant and disposed off for re-use through authorized agencies.

Domestic Hazardous waste

Domestic hazardous waste like sanitary pads, diapers, condoms are collected in separate bags. This waste is segregated precisely and disposed in incinerator.

E. Processing of sewage & waste water

STP's for processing domestic liquid waste have been installed based on different proven technologies like Activated Sludge Process (ASP) using diffused aeration technology, Moving Bed Bio reactor (MBBR) technology, Rotating BIO Contactor (RBC) technology. All STP's are equipped with tertiary treatment with disinfection.

Generated treated water is used for gardening, flushing, road cleaning, vehicle cleaning, for biogas plant, cleaning of composting plant.

F. Processing of E waste

E-waste or electronic waste consists of batteries, computer parts, wires, electrical equipment of any kind, electrical and electronic toys, remotes, watches, cell phones, as well as bulbs, tube lights and CFLs etc. These E wastes are being disposed through N.G.O. by installing E waste bins at various market places in the colony.

G. C & D Waste:

Construction and Debris waste is disposed at locations identified and permitted by statutory authorities.

H. Air pollution- DG sets:

DG sets are maintained to the prescribed emission norms.

I. Green Belt Development & Maintenance

We regularly take up activities for development of Green belt in the colony by

- i. Plantation of trees and
- ii. Development of Urban Forest based on Miyawaki Concept in the colony.

