

National Institute of Science Education & Research Bhubaneswar

Annual Report

and

Audited Statement of Accounts



भारत 2023 INDIA



2022-2023

the plantation drive done earlier would enable NISER to have maximum greenery in the campus along with the STP, Rain water harvesting structures, Bio gas plant as well as dual flushing arrangement in the campus along with polycarbonate sheet for day lighting in the academic buildings.

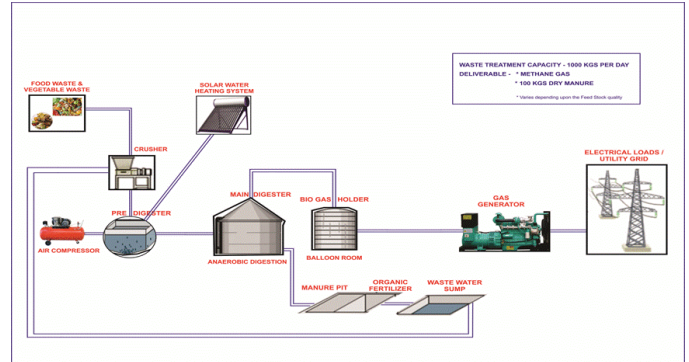
Nisargruna Bio-Gas Plant

Capacity : 1000 kg per day capacity
 Space Required : 200 Sq. Mtr (20 L x 10 B) Min
 Manpower : Skilled Operator - 1
 Unskilled Worker - 4
 Power Supply : 3 Phase AC – 8 HP
 Water Requirement: 1200 Liters per day
 Input: Kitchen waste, Paper Waste, Green Grass, Leaf Litter, Animal remains in Abattoirs, Green Plant

Waste, Cattle Dung, Crop residues, Sugarcane bagasse, Water hyacinth.

Output: 1 Ton Biogas plant will generate about 40 Kgs of Methane gas every day, which can be used for cooking with special burners or generation of electricity.

The Biogas plant will produce excellent manure of 1000 litres/day in liquid form which can be used for Organic Farming.



Crusher (1 MT/Hr)



Pre-Digester Tank (10 Cu M)



Main Digester Tank (50 Cu M)



National Flag Mast

Commissioning of 30.50mt (100 feet) high National Flag Mast along with peripheral development at NISER campus.

Ht of Mast: 30.50mtr (100')
 Size of Flag: 20' x30'
 Raising-lowering of Flag: Motorized (Integral motor with 2Hp capacity)
 Dimension: Base plate dia@840mm, tapered to top dia@150mm
 Plate thickness: top(3mm), middle(4mm) to Bottom (5mm)
 Make: Bajaj Electricals

