

Case Study – Supply of Pelleting Unit at Blue Ridge, Hinjawadi, Pune

Introduction:

Blue Ridge is a township developed by Paranjape Schemes, a renowned builder in Pune. It has 8 towers that comprise about 4000 properties. It generates about 5 ton municipal solid waste at full capacity. It is managed by a company, GD Environmental Pvt Ltd., which perform sorting and disposal. Gangotree Energy Projects Pvt. Ltd. (GEPPL) joined hands with GDEPL for processing of combustible dry waste through pelleting. The plant is operational since September 2020.

Project Details:

1. Waste processing capacity : 1 ton combustible dry waste
2. Pellet Production : 1 ton per day
3. Total area of the plant : 100 m²
4. Operational since : September, 2020

Operation:

Sorted combustible dry waste is stored separate. It is shredded into a coarse and fine shredders to achieve required size of feed material. Shred raw material is fed to pelletizer to convert into fuel pellets. Ready pellets are supplied to industrial clients for burning into boiler, that replaces regular fossile fuel. GEPPL supplied the pelleting plant and also monitor the operation and maintenance plant as and when required.



Shred Combustible Dry Waste



Dry Waste Pelleting