

RAW MATERIAL DETAILS FOR 2.5 TPD COMPRESSED BIOGAS PLANT

The raw materials for a **Compressed Biogas (CBG) plant** are typically organic and biodegradable in nature, suitable for anaerobic digestion to produce biogas. Common raw materials include:

1. Agricultural Residues:

- **Crop Residues:** Rice straw, wheat straw, maize stalks, sugarcane bagasse, etc.
- **Animal Manure:** Cow dung, poultry litter, pig manure, etc.
- **Green Biomass:** Napier grass, elephant grass, or other fast-growing grasses.

2. Industrial Organic Waste:

- **Food Processing Waste:** Fruit and vegetable peel, food scraps, waste from juice extraction, sugarcane press mud.
- **Brewery and Distillery Waste:** Spent grains, distillery sludge, and other residues.

3. Energy Crops:

- **Dedicated Energy Crops:** Crops like Napier grass specifically cultivated for biogas production.

For our plant we shall be utilizing Cow dung 60 TPD (roughly 6 trolly) from the local supplier with whom we have the contract and apart from the cow dung we are growing our own napier grass (35 TPD) on the field adjacent to the plant. Both the raw materials are sufficient and provides much needed security to run the plant smoothly and continuously.