

Biogas Unit



Contact for more details:
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Biogas is a renewable energy source produced by certain bacteria breaking down organic matter in anaerobic conditions. The biogas system is where cow dung and urine are mixed with water to form a slurry (raw material for biogas). The slurry is then transferred to the digester (a sealed container that creates anaerobic conditions in which bacteria degrade organic matter), which produces biogas, primarily methane and CO₂. The gas holder collects the biogas.

The generated biogas serves as a clean renewable energy source especially for cooking, while the nutrient-enriched slurry becomes valuable organic fertilizer.

Plant specifications:

Plant material - PVC fabric
Thickness - 1100 gsm
Plant capacity - 250kg/per day
Plant volume - 15000 ltr
Mixing tank - 750 ltr
Feeding tank - 150 ltr
Balloon - 5 cubic meter
Balloon volume - 5000 ltr
Balloon material - PVC fabric
Balloon material thickness - 650 gsm
Gas pipe - HDPE pipe (32mm)

