

# GreenHome Flexible Biogas Unit

A Sustainable Solution to Convert Cattle Dung  
Into Biogas and Nutrient Rich Bio Fertilizer



## Why GreenHome Biogas?

In rural areas most of the farmers get an abundant amount of cow dung from their cattle which can be the raw material for the GreenHome Biogas Plant.

GreenHome Biogas Plant helps in reducing reliance on LPG and firewood for clean cooking purposes.

GreenHome Biogas Plant also provides a highly nutrient rich bio-fertilizer, which can be used for natural farming.

# KOSHISH

## (An initiative by IIT Delhi Alumni)

KOSHISH promotes sustainable energy solutions, agricultural practices, and eco-friendly products leading to sustainable economic growth with environmental upgradation and irreversible human development. With each project, our client adds sustainable values that result in environmental, social, and economic upliftment.

### Unique Features

- Fully prefabricated, ready to use modular design.
- Made of Super Strong LLDPE Material
- 10 years warranty
- Separate Feeding Tank

### Biogas is Eco-Friendly

- Biogas is a renewable, as well as a clear source of energy.
- Gas generated is non-polluting; it reduces greenhouse gas emissions.
- Using gas from waste as a form of energy is a great way to combat global warming.

### A Simple and Cost-Effective Technology

- Empowering farmers with GreenHome plants that convert cattle dung into biogas and nutrient-rich manure, fostering a hygienic environment
- The waste products of 3-5 cattle can provide enough energy to cook their complete meal.

Waste Required (kg/day)		Biogas Production			Nutrient Rich Compost		Total Savings per day (INR)
Cow Dung	Food Waste	Daily Biogas production (m <sup>3</sup> /d)	Equivalent to LPG (kg/d)	Savings from Biogas per day (INR)	(L/d)	Cost Per Litre (INR)	
50	20	2	0.8	60	90-100	1	160
100	40	4	1.6	120	180-200	1	300

The customer is earning around INR 160/ day along with preparation of food from 2 cum plant.

\* Provide 10 years warranty against any manufacturing defects.

Beneficiaries: Farmers, Housing Societies, Schools, Colleges, Restaurants and Food Processing Units.



## Koshish Sustainable Solutions Pvt. Ltd.

6<sup>th</sup> Floor, Plot no. 15, Tradex Tower, Sector 125 Noida, Gautam Buddha nagar, U.P. - 201303, India

Phone: +91 9311584427, 9599727400 | Website: [www.koshishindia.in](http://www.koshishindia.in)

Email: [info@koshishindia.in](mailto:info@koshishindia.in) | [greenhomebiogas@koshishindia.in](mailto:greenhomebiogas@koshishindia.in)

वसुधैव कुटुंबकम्

Inculcate love and peace globally through sustainable development.