



SINTEX-BAPL LIMITED

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Sintex Biogas/Leaifer/01/2024

Live Better



TRANSFORMING

WASTE

INTO



WEALTH

IDEAL FOR



Restaurants



Hotels and Resorts



Industrial Canteens



Student Hostels and Educational Institutes



Religious Establishments



Hospitals



Sintex has always come up with innovative products that improve the living standards across the nation. We developed the biogas plant to reduce, reuse and recycle organic solid waste in the country in a much more effective way.

Sintex Biogas Plant is the best solution in the country to convert organic waste into energy at its source. It is designed to treat and convert any organic waste like vegetable waste, food waste, kitchen waste and other organic waste into usable fuel.

Our successful large scale installations in Kerala, Tamil Nadu, Karnataka and Gujarat have paved the way for energy conversion from each kg of organic waste. And that has resulted in sizable energy savings in the respective areas.



BENEFITS

- Produces cooking gas
- Reduces cooking fuel bill
- Treats food waste/vegetable waste
- Ideal manure for small-scale agriculture
- Reduces waste disposal cost

FEATURES

- Quick installation
- Requires less space
- Easy to relocate
- Can be installed both above the ground or underground
- Easy to maintain
- Ideal for restaurants, resorts, hostels, religious establishments & hospitals

BASIS OF CALCULATIONS

- 1 10 kg of food waste can generate 1m³ of biogas, which is equivalent to 0.434 kg of LPG.
- 2 Estimated commercial replacement value of LPG is at ₹80/kg. Revenue generation from 10 kg of food waste is approximately ₹34.72 per day.



Main parts of floating type biogas plant



RANGE & SPECIFICATIONS

Sr. No.	Product Code	Gas Generation Capacity (Cu. Mtr.)	Approximate Feed Waste Required Per Day		Equivalent LPG Value/Day (Kg) Avg Cooking	Avg Cooking Time Per Day	Area Required in Sq. Mtr.
			Cow Dung (Kg)	Mix Kitchen Waste			
1	FTGB-20-01	0.2	5-6 Kg + 5-6 Ltr Water	2-2.5 Kg + 3-4 Ltr Water	0.086	20 Mins	0.54
2	FTGB-50-01	0.5	10-12 Kg + 10-12 Ltr Water	5-6 Kg + 7-8 Ltr Water	0.217	1 Hour	2.89
3	FTGB-100-01	1	20-25 Kg + 20-25 Ltr Water	10-12 Kg + 12-15 Ltr Water	0.434	1.5-2 Hours	2.89
4	FTGB-200-01	2	40-50 Kg + 40-50 Ltr Water	20-25 Kg + 25-32 Ltr Water	0.868	2.5-4 Hours	4.13
5	FTGB-300-01	3	60-75 Kg + 60-75 Ltr Water	30-36 Kg + 37-45 Ltr Water	1.302	3.5-5 Hours	4.84
6	FTGB-400-01	4	80-100 Kg + 80-100 Ltr Water	40-50 Kg + 50-65 Ltr Water	1.736	5-6 Hours	5.29
7	FTGB-1000-01	10	200-250 Kg + 200-250 Ltr Water	100-125 Kg + 125-150 Ltr Water	4.340	12-14 Hours	9
8	FTGB-2000-01	20	400-500 Kg + 400-500 Ltr Water	200-250 Kg + 250-315 Ltr Water	8.680	20-22 Hours	18

*Average cooking time per day is calculated considering 15 CFT Burner.