

Technical details and return on investment(ROI) of 1 Cum Domestic Bio waste Treatment plant

Size of Treatment plant	-	1 Cum.
Gas holding capacity	-	500 Litres
Height	-	120 cm.
Diameter	-	115 cm.
Minimum quantity of waste required	-	No minimum quantity
Solid waste treatment capacity per day	-	2 - 3 kg (maximum)
Organic waste water that can be treated	-	30 Litres /day
Gas output per day	-	1 cum to 1.5 cum
Liquid fertilizer output per day	-	20 - 30 Litres
1 Cum biogas	-	0.5 Kg. LPG (approximate)
Cost of one kg LPG	-	Rs.30/-
Cost of one cum biogas	-	Rs.15/-
Cost of 1 litre of liquid fertilizer	-	Re.1/-
Annual income from Bio gas	-	Rs. 15 x 365 = Rs. 5,475/-
Annual income from liquid fertilizer	-	Rs. 20 x 365 = Rs.7, 300/-
Total annual income from One cum plant	-	Rs.12, 775/-
Return on investment	-	18 - 24 months
Area required for installation	-	125 cm x 125 cm.
Installation zone	-	Above or below ground level

Standard accessories available with plant

Digester, Gas collector, Inlet tank with lid, Gas connection hose(maximum 10 metres), Control valve in gas collector, Single burner stove

Optional Items: Gas light- Indoor, Outdoor and Table Top.

NB: The rates mentioned above relate to Indian Currency (Rs) only.