BIOTECH INDIA

An ISO 9001 : 2008 & 14001 : 2004 certified Company

1st prize winner 2007 the Ashden Awards for sustainable energy

NANO BIOGAS PLANT

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BIO MAGIC BOX

BIOTECH INDIA, a pioneer in organic Waste to Energy projects, has designed a Nano type biogas plant under the brand name "BIOTECH - Bio Magic box" , for purposes of training in the Educational Institutions . The operation of this plant is just the same as any other usual model of biogas plants. BIOTECH Bio Magic Box is a working model of the biogas plant. Plants of two different capacities are available under this project. Each plant consists of one floating dome model biogas plant with its digester, gas collector, biogas stove / experimental lamp. This plant can be activated like any other biogas digester.

Suitable For

School,

Exhibitions

College labs,

Demonstrations

Research centers

Freelance experiments

Technical Specifications

Model	Digester			Gas collector			Total Volume	Packing Size	Packing Specifications
	Dia	Height	Volume	Dia	Height	Volume			
1	29 cm	50 cm	32 ltrs	26 cm	25 cm	13 ltrs	45 ltrs	2 CFT	30x30x60 Cm
2	48 cm	65 cm	110 ltrs	45 cm	30 cm	50 ltrs	160 ltrs	9 CFT	50x50x75 Cm

BIOTECH RENEWABLE ENERGY

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BIOTECH Bio-magic box can be utilized as a tool for creating awareness among the students about the tremendous possibilities of biogas plants in the replacement of traditional fuels, organic waste management , production of organic manure and also for the protection of Environment . Through the students this message will reach the in homes and thereafter to the community at large.

Operation parameters

Sl.No	Particulars	Model 1	Model 2
1	Waste feeding quantity per day	100 gms	350 gms.
2	Waste water feeding quantity per day	100 ml	350 ml.
3	Expected biogas yield	10 -20 Ltrs.	30 to 50 ltrs.
4	Treated organic liquid output	100 ml.	350 ml.

Model - 2

Model - 1

Packing List

Sl.No	Item	Nos.
1	Digester	1
2	Gas collector	1
3	Biogas stove	1
4	Experimental lamp	1
5	Inlet	1
6	Lid of inlet	1
7	Gas tube	1
8	Gas regulator valve	1
9	Users Manuel	1

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