BMS ENGINEERING TECHNOLOGIES
Providing sustainable solutions & technologies for waste handling at source

TREAT WASTE AT SOURCE

MAKE WASTE A RESOURCE

ENJOY CLEAN ENVIRONMENT

STOP LAND FILLS

REDUCE GREEN HOUSE GAS EMISSION

Garbodrain
Food waste disposer

Ecohouse
Bio gas plant

Ecoconverter
Waste to Manure
**OUR PRODUCTS**

**Garbodrain - WASTE TO DRAIN**
- Crush waste into fine particles & flush them down the drain or to STP
- Clog FREE drains
- Instant disposal
- Simple & Maintenance Free
- Wide range of models to suit Houses, Flats, Offices, Large Kitchens, Industrial Canteens, Clubs, Oil Rigs, Ships etc.,

**Ecoconverter - WASTE TO MANURE**
- Waste Washed, Crushed & De watered
- Simple, Fast & Economical operation (½ hr per 100 kg & 1 Electrical unit)
- 50-60% Volume reduction
- Waste Naturally converted, Highly nutrient manure
- Useful for Apartment Complexes, IT Parks, Large Hotels, Market etc.,

**Ecohouse - WASTE TO ENERGY**
- Waste Crushed & fed into the plant as Homogeneous solution for Efficient & Effective Digestion.
- Simple, Fast & HAZZLE FREE waste processing
- Output 7-8% Gas & 60% Liquid Manure
- Automation with booster for faster heating
- Models starting from Domestic use to Large Industrial & Commercial Establishments

Ecohouse CHAMP is a Compact, Modular Multi Utility converter provide perfect waste handling solution for Houses & Flats.
Garbodrain - 1000 series
Domestic Model
Useful for House Kitchens, Flats and Small Offices

TECHNICAL DETAILS:

Over all size           Dia 150 x 325mm
Sink mounting         90mm
Outlet                1.5” BSP at 160mm from top
Weight                4.5 kg
Motor                 1/2hp, 2300rpm, 240V
                        15 min. duty.

ELECTRICALS:

Provide 5A 3pin socket below the sink & switch to operate the same above the sink.
GARBODRAIN - Waste to drain

Garbodrain - 2000 series
Commercial Model without Sink
Useful for Hotels, Canteens and Restaurants

TECHNICAL DETAILS:

- Over all size (lxbxh): 530x260x380mm
- Sink mounting Dia: 125mm / 110mm PVC pipe
- Out let: 1.5” BSP at 165mm from ground level
- Weight: 65 kg.
- Motor: 1hp 2hp 3hp
  (440V, 50hz, 2800rpm, Continuous duty.)
- Disposal capacity: 50kg 150kg 250kg
  (Kg/Hour)

NOTE: 1hp model is also available with high torque single phase motor.

ELECTRICALS:

Provide 440V supply with starter suitable for 1/2 / 3 hp
GARBODRAIN - Waste to drain

Garbodrain - 3000 series
Commercial Model with SS Sink
(A self contained & Ready to use model)
Useful for Large Hotels and Canteens

TECHNICAL DETAILS :
Over all size (lxbxh) 595x595x750mm
Sink size 500x500x280mm
Inlet 125mm
Outlet 1.5” BSP at 250mm from ground level
Weight 110 kg.
Motor 1hp 2hp 3hp
(440V, 50hz, 2800rpm Continuous duty.)
Disposal capacity 50kg 150kg 250kg
(kg/Hour)

ELECTRICALS :
Provide 440V supply with starter suitable for 1/2/3 hp
Garbodrain - 4000 series

Commercial Model with Large Sink
(A self contained & Ready to use model)
Useful for Large Hotels, Industrial Canteens,
College Canteens, Marriage Halls & also suitable
for BIO Gas Plants.

TECHNICAL DETAILS:
Over all size (lxbxh) 1050x685x800 mm
Sink size 900x525x200 mm
Inlet 150 mm
Outlet 50 mm
Weight 150 kg
Motor 3hp 5hp 7.5hp 10hp
(440V, 50hz, 1440rpm
Continuous duty.)
Qty. / hour 250 kg 350 kg 450 kg 600kg

ELECTRICALS:
Provide 440V supply with starter suitable for 3 / 5 / 7.5 / 10 hp
ECOHOUSE - Waste to Energy

Ecohause Champ
SAVE the earth from dumping Bio waste & STOP green House gas polluting the atmosphere

- World's first Multi utility indoor waste converter
- A real CHAMPION of kitchen waste
- Modular & compact (Fits below kitchen platform or In balcony)
- Zero waste & no maintenance

BENEFITS
- Total Kitchen Waste processed at source
- Organic Liquid Compost & Gas for cooking
- Eliminates dumping & Saves Environment

ALL THAT YOU HAVE TO DO
- Crush kitchen waste into your champ
- Use the gas & Liquid Manure
- One bin for other recyclable wastes

SPECIFICATIONS
- Size - 36”x24”x28”
- Biogas for 25-30 minutes
- Waste input - 1.5Kg max.
- Liquid Manure - 1.5L
ECOHOUSE - Waste to Energy

Ecohouse - Biogas Plants
Models available for Houses, Hospitals, Hotels, Industrial Canteens, College canteens, Marriage Halls

ADVANTAGES

+ Indigenously developed with in-house R & D over the years. Proven product with multiple commercial units across India.
+ Our plant does not require large quantity of fresh waste for operations. Plant is designed to recycle from the digester using SOLID-LIQUID separator.
+ No need to remove the sludge periodically.
+ Our pre-assembled plants are ready to use-plug and play model.
+ Does not require any major civil work to install the plant and our plant can be relocated very easily if required (portable)
+ Higher gas generation using proprietary UDOM technology. (7-8% of Food waste / Day)
+ No foul smell and does not attract birds and insects.
+ Easy maintenance and can be operated by a single person.
+ Our plant helps in reducing Green House Gases.
+ Advanced plant health monitoring system using app.
+ Depreciation benefit available- 80% under Income Tax Act in the Year of installation of biogas plant.
ECOCONVERTER - Waste to Manure

Ecoconverter - B series Composting technology suitable for Housing Complexes, Markets, Institutions, Industries, Hotels, IT Parks, Municipalities etc. Unique Technology has been developed to make composting Naturally Easier & Faster

- Waste from your green bins Crushed, Washed & Dewatered
- After volume reduction waste is fed to Ecobins for Manure conversion
- In 3 weeks you get highly nutrient Organic Manure ready to be used

Converter Machine

- Over all size (lxwxh): 1100x800x1200mm
- Sink size: 1000x700x200mm
- Inlet: 125mm
- Outlet: 50mm
- Weight: 250 kg
- Motor (CRUSHER) (440V, 50hz, 2800rpm)
- Motor (DE-WATERING) (440V, 50hz, 1440rpm Continuous duty.)
- Qty.: 25kg 50kg 100kg

Ecobin

- Over all size (lxwxh): 900x900x900mm
- Material: Double layer Synthetic Leather
- Qty.: 300kg per bin

SIMPLE OPERATION | MAINTENANCE FREE | GUARANTEED SOURCE SEGREGATION

Garbodrain
Food waste disposer

Ecohouse
Bio gas plant

Ecoconverter
Waste to Manure
Few Customers

**Ecohouse - Biogas**
- LIC, Chennai
- IIT, Chennai
- Tambaram Municipal Corporation, Chennai
- HPCL, Chennai
- Kirloskar Bros. Ltd., MP
- Indian Institute of Forest Management, Bhopal
- Yazaki Wiring Technologies Ltd., Chennai
- Dr. M G R University, Chennai
- The CLUB, Bangalore

**Ecoconverter – Organic manure**
- TATA Homes, Chennai
- Jones Foundation, Chennai
- Chitrakoot Apartments, Bangalore
- SPR Constructions, Chennai
- Alliance group, Chennai
- Jehan Numa Palace, Bhopal
- Zoho Corporation, Chennai

**Garbodrain – Food waste disposer**
- Rashtrapathi Bhavan
- SHAR, Sriharikota
- BEL, Chennai
- LIC of India, Chennai
- JC Residency, Kodaikanal
- T V S, Chennai, Madurai, Mysore,
- TCS, Chennai
- Accenture, Chennai, Hyderabad
- TATA telecommunications, Chennai
- Hotel Airport International, Mumbai
- Yahoo, Bangalore
- MICO, Bangalore
- L&T ECC – Housing projects, Calcutta, Chennai
- L&T Shipping, Chennai
- Raheja Heights, Mumbai – Housing Projects
- Ramanthyam real estates – Housing Projects
- Real Value Promoters – Housing Projects
- Amazon India
- Taj Group
- DHL
THANK YOU
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