

OUR WASTE OUR RESPONSIBILITY....

OUR RESPONSIBILITY OUR WEALTH...



GARBAGE ENVIROTECH SOLUTIONS PVT. LTD.

we enrich Nature....

Serve in : Fully- Automatic Composting Machine, Bio -Gas Plant,
Incinerator, Dustbin, All type of Shredder Machine,
& Public Used Pet Bottle Shredder Machine.

Let's Save The Nature

YOU CAN BUY FROM HERE



100% ORGANIC PRODUCT



tradeindia.com
India's largest B2B marketplace



GeM
Government
e Marketplace



snapdeal

Flipkart



amazon



We Committee to serve best....



Reduce Global Warming
Reuse the Wet Waste
Recycle as Organic Manure



**SWACHHATA
HI SEVA HAI**

Mission

To change peoples lives by providing sustainable waste management solution in cleaning. Indian cities, towns and villages.

Vision

Make a clean & green Future-INDIA to fulfill "Swachh Bharat Abhiyan"

Values

Delivering value added products to society, inspired by Nature, protecting our environment and committed to create a green society

Our Ethics

To take honest and ethical steps along with the public of the nation to protect the green eco-system

About Us :

Welcome and thanks for your time to read our **MD Garbage Envirotech Solutions** profile towards understanding us and our services. The idea of effectively managing waste has been practiced from time, though, has lost participation from people owing to it being a painstaking process. Your organic house waste shall no longer turn into unhygienic, foul smelling, hazardous matter polluting the MOTHER EARTH. Established as a Partnership firm in the year 2012 as manufacturing Company. Now 2019 we **MD Garbage Envirotech Solutions** A complete waste Management" Company Which a manufacturing, sales & Service Providing Company. We have a wide range of (1) OWC Machine Fully Automatic Organic Waste Composting Machine, (2) Semi-Automatic Machine (3) Food and Garden Waste Shredder Machine, (4) Bio Organic Bin (5) BIOGAS Plant. We Supplied Various models of These machine in Chandigarh, Noida, Delhi, Meerut, Gurgaon we have constructed a wide and well functional infrastructural unit that plays an important role in the growth of our Eco-green system Globally. We offer these products at Appropriate rates and deliver these within the committed time-frame. Under the headship of our mentor "Mr. Aakash Kamat", we have gained a huge clientele across the nation. We provide minimum 1kg to maximum multi tons solution where waste is composted at SOURCE to the ever growing problem of waste in cities, towns & villages there through making the environment green by encouraging organic farming. We are into a new and time tested concept of recycling green waste with fungal saturate that are important as decomposers and in retaining nutrients in the soil. We strive to create a better environment for society and our future generations. **MD Garbage Envirotech Solutions** provides organic waste - composting machine which is a complete waste Management that's pioneer in bringing both residential and commercial green waste to proper disposed off. Focusing more on aesthetics and efficiency for residential complexes and commercial establishments, the company creates a niche for itself in the wet waste management domain. **MD Garbage Envirotech Solutions** is a waste management of social enterprise that is moving India's green waste sector to models that are simultaneously environmentally and financially empowered. We offer a professional waste management and processing services to households, community centers, residential apartments and institutions like Schools, Colleges, Offices, Hotels, Restaurants, Canteens, Factories, Hospitals, Temples, etc.



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Approach to Society for Waste MANAGEMENT



- **WASTE MANAGEMENT** process is treating green waste and offers variety of solutions for recycling items. It is about how garbage can be used as a valuable resource.
- With increasing urbanization and changing life styles, Indian cities now generate eight times more waste.
- Tons of green waste is generated annually and is mostly transported to large landfill sites unfortunately in a non-segregated form (because of lack of knowledge).
- Waste dumping sites crates contaminating the ground water which causes non-curable diseases, frequently catching fire, increases air pollution too at dangerous level.
- Open burning of waste in INDIA releases; 22,000 tons (approx.) of harmful fumes and dangerous gases every year .
- Thousands of trips by trucks to landfill sites daily costs thousands of crores Which is a use Huge expense by States government and central government.
- A majority of urban centers however spend 5-40% of their budget on Solid Waste Management. This is approximately Rs.50-250 per capita per year. It is observed that a large proportion of this expenditure is incurred on salaries and only a limited amount is spent on Operation & Maintenance (O&M) and development works. Sourced by:- cpheeo.gov.in

THE WASTE MANAGEMENT MARKET COMPRISES OF FOUR SEGMENTS

- Municipal waste
- Industrial waste
- Bio-medical waste
- Electronic waste
- Nature of solid waste generated in the Indian cities amounts to more than 1.15 lakh MT of waste per day and approx. 42 million MT annually. Waste collection is usually done on a contract basis. In most cities it is done by trash-picker, Short-time contractors and municipalities.

Issues & Challenges

India faces major environmental challenges associated with waste generation and inadequate waste collection, transport, treatment and disposal. Current systems in India cannot cope with the volumes of waste generated by an increasing urban population, and this impacts on the environment and public health. The challenges and barriers are significant, but so are the Solutions. A report issued by (SAARC) countries' organized by the Council of Scientific and Industrial Research-National Environmental Engineering Research Institute and the Royal Society. A priority is to move from reliance on waste dumps that offer no environmental protection, to waste management systems that retain useful resources within the economy. Waste segregation at source and use of specialized waste processing facilities to separate recyclable materials has a key role. Disposal of residual waste after extraction of material resources needs engineered landfill sites and/or investment in **waste-to-energy** facilities. The potential for energy generation from landfill via methane extraction or thermal treatment is a major opportunity, but a key barrier is the shortage of qualified engineers and environmental professionals with the experience to deliver improved waste management systems in India.



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Our Specialty

Our products has extensive experience in providing Organic-Composting and bio-gas solutions to our valueable costumer more than the commercial viability. The social responsibility urge initiated us to promote it on mass scale.

- Very Economical, Completely safe, Hassle free, Easy to install & Maintain, Minimal Space Occupancy, Long Lasting With a Minimal recurring cost.
- Our Products are designed for better resistance capacity and Increased Aeration inside the Machine.
- Our product is duly reckoned for its high strength and durability among our clients. This product is manufactured by using supreme quality materials as M.S. , SS-304, SS-316 and D2, Fiber, FRP, plastic, upgrade with advanced Technology.
- We uses Inherent Corrosion Resistance & High Strength for low Weight equipment for better efficiency.
- Our machine reduces 70-90% Volume of waste amount and rest 10-30% used as organic compost. To get organic Compost we are providing such as options Like Manual 20 days, Semi -Automatic 10 days, fully Automatic 24 hours.
- We are utilized aerobic and anaerobic bacteria with latest technology for better results in producing Bio-Gas, organic compost and Incinerator, sanitary napkin (made with woodpulp), napkin vending marching. We are the pioneer company in giving the best range of machines and plants for organic-compost or Bio-Gas-plant for households, community centers, residential apartments and institutions like Schools, Colleges, Offices, Hotels, Restaurants, Canteens, Factories, Hospitals, Temples, etc. The range starts from as low as 0.5 kg to in multi-tons capacity per day.
- One ton productions of organic compost will saves 81 cubic feet of landfill, eliminates approximately 5000 gallons of methane, (a greenhouse gas), also retain 1100 liters of manure (liquid compost) for one acer harvest, reduces need of chemical fertilizers, generates about 400 kgs rich nutrient organic compost.





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Our commitment

Our commitment should be
ZERO UNHYGENICALLY BURNING

Solution should aim to completely eliminate burning of waste.

ZERO LANDFILL

Deployment of composting process diverts a quantity of waste from the landfill

ZERO POLLUTION

Developing innovation to avoid polluting the Environment from all type of waste

THE SOLUTION – Segregation of waste at source and its Decentralized processing. **Community Participation** has a direct bearing on efficient. They have to be **Educated** on the rudiments of handling waste and proper practices of storing it in their composting and bio gas at the household, shop and establishment level.

COMPOSTING: organic compost is the decomposition of organic matter by microorganism in warm, moist, aerobic and anaerobic environment. There are many composting projects in the county creating awareness among the people.

BIOGAS: biogas is the mixture of gases produced by the breakdown of organic matter in the absence of oxygen. BIO-GAS can be produced from raw materials such as agricultural waste, manure, municipal waste, plant material, sewage, green waste or food waste, Cow dung BIO-GAS is a renewable energy source.

INCINERATOR: a solution that's Ensuring easy availability of Sanitary Napkin Pads by installing Automated Sanitary Napkin vending Machines its Safe and Environment friendly, disposal of used napkin pads fully treated by installing Sanitary Napkin INCINERATOR

SHREDDER: The shredder is set up in line with a granulator, chopper, cutter, blender in order to reduce the size of the processed material more.

SMART COMPOSTER: It's a unique product for composting ideal for big houses, flats, small offices, schools, college, small canteen temple etc. the USP of this product is in-build plantation

WASTE MANAGEMENT & ENVIRONMENTAL SOLUTION

By



Proper management of vegetable market waste is a serious issue in most of the metropolitan areas. Composting is one of the best and easy solutions for organic waste stabilization. It is a naturally occurring biological conversion, which produces suitable end products such as fertilizers and BIO-GAS (methane). If these wastes are decomposed in landfills, it generates greenhouse gases, thereby polluting the surrounding environment. Adopting alternatives such as composting and reusing the waste or burning it to generate energy, reduce both pollution and the amount of land devoted to waste disposal.

Composting of vegetable market waste is the best option as it can be used in agriculture. The main objective of the research is to make ready to use compost bags having compost made from different organic waste for growing different types of Crops, vegetables. Compost will be made from organic waste which includes vegetable waste and bulking agents like rice husk, coconut coir, dry leaves. Finally, the compost will be packed in a UV treated polybags.

From one ton waste, we can generate around 400 kg of organic manure which can be used for farming and we save approx. 50% irrigation water consumption.

AEROBIC COMPOSTING – With our time tested results for cropping (lady finger, tomato) – organic composters is lab tested for best results, Our composting and biogas machine are ideal for family, community and institutional .





GARBAGE ENVIROTECH SOLUTIONS Pvt. Ltd.

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Our Products

👍 Fully Automatic Food And Garden Waste Composting Machine (owc)

With rich industry experience and knowledge, we are providing an excellent quality range of food waste composting machine with Guaranteed power saving.

Organic Waste Solutions OWS presents fully automatic compost machine is specially designed to make organic compost from organic food / kitchen waste & garden waste. It has special mechanism to maintain the desired temperature, moisture and air flow. an aerobic-bacteria helps to decompose the organic waste into organic compost speedily and prompt form under aright-environmental condition. this is the only ideal condition which makes automatically organic compost witch can be used as organic fertile anywhere

KEY FEATURES:

Inbuilt shredder inner chamber made of SS-304 & outer body made of S.S.-304 or mild steel duly powder coated controlled via plc based hmi touch screen controller and manual operate (emergency) fully automatic mechanism minimum emission & discharge of harmful gases. 100% natural composting process with in 24-48 hours customized in-size (as per requirement and space). high quality organic compost ready to use in 24-48 hours hassle-free decentralized solution for organic food waste management noiseless, equipped with odor-vaporized system. reduces large amounts spent on transportation to landfill sites, in-house waste management reducing dependency on any outside agency

FEATURES:

Fully assembled unit rust and corrosion resistant body, uses special micro-organisms that thrive in high temperatures for adjust to high acidic or salty condition. in-built humidity sensor that manages desired temperature. in-built shredder to reduces labor problem.

Advantages: cost effective and long lasting durable and corrosion resistant body, easy to use and maintain, blends easily, simplicity of design and very convenient to use.

application area: vegetable and fruit market corporate canteen hotels and resorts, restaurant parks and stadium hospital, school, colleges military canteens, railway canteen, food court area in shopping malls, temples and other religious institution airports cafeteria, food manufacturing companies, bakeries, dhabas etc., facilities for food super markets and food distribution center municipal councils and corporation group housing societies.





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Semi- Automatic food and garden waste composting Machine (OWC)

Food and Garden Waste Shredder Machine

Green waste is shredded in the first step of the humus production process. Our shredding machines easily deal with Organic waste consists of waste vegetables, fruits, garden waste, nonveg Food waste etc. Organic waste can be shredded before delivering to bio-culture powder or de composting culture. Shredder mixture can be used for composting process. Manure prepared by this process is used for agricultural purpose to enrich the soil (increases fertility) which results in better yield.



BIOLOGICAL INOCULUM FOR COMPOSTING



Bio Culture Powder



Bio Organic Tumbler

➤ Manual food and garden waste composting Machine (OWC)



Mixture Composting Machine

This is a crusher cum mixing machine ideal for wet food waste, horticultural waste, garden waste etc.



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SHREDDER

The main categories of designs used today are as follows: horizontal hammermills, vertical hammermills, slow speed shear type shredders of single, dual, triple and quad shaft design, single shaft grinders of single or dual shaft design, granulators, knife hogs, rasps, mawlers, flails, crackermills, and refining mills. The industrial shredder is mainly composed of shredding blade group, loading box, box bracket, feeding system, power system and electrical control system.

Some examples of materials that are commonly shredded are: tires, metals, car wrecks, wood, plastics, leathers, papers and garbage. There is no common use of an industrial shredder as they can shred paper as well as wood, plastic, metal including a whole car depending on the size and design of the industrial shredder. The industrial shredder is commonly used to process materials into different sizes for separation or to reduce the recycling cost of transport but a primary use is the upgrading of the material by shredding metals, plastics, aluminium, metal and cars and as well as waste materials such as municipal solid waste or nuclear waste, medical waste, hazardous waste including common garbage.

Because the hardness of different materials is different, the blades are also slightly different. Some manufacturers classify industrial shredders into metal shredders, plastic shredders, tire shredders, scrap aluminium shredders, wood shredders and so on according to the different blades of industrial shredders.

An industrial shredder is any shredder that can be used in an industrial application (rather than a consumer application). They can be equipped with different types of cutting systems: horizontal shaft design, vertical shaft design, single-shaft, two-shaft, three-shaft and four-shaft cutting systems. These shredders are slow speed or high speed, and are not restricted in being classified as an industrial shredder by their speed or horsepower. Well, at present, portable shredders have been developed, which are small in sizes and low in prices. It is more suitable for personal use.

The largest scrap metal shredder in the world was designed with 10,000 hp by the Schnitzer steel group of Portland, Oregon in 1980. The 9,200 hp (6,860 kW) Lynx at the Sims Metal Management plant at the mouth of the River Usk in Newport, Wales has access by road, rail and sea. It can process 450 cars per hour





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BIO-GAS System

BIOGAS is the mixture of gases produced by the breakdown of organic matter in the absence of oxygen.

BIOGAS can be produced from raw materials such as agricultural waste, manure, sewage waste, green waste or food waste etc. .

BIOGAS is a renewable energy process of biodegradable materials. BIOGAS to be used as a fuel; it can be used for any heating purpose, such as cooking.

BIOGAS is a renewable energy.





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SANITARY NAPKIN INCINERATOR
AND MULTI COIN OPERATED NEW S.N. DISPENSER



Subject: Ensuring easy availability of Sanitary Napkin Pads by installing Automated Sanitary Napkin vending Machines and Safe and Environment friendly disposal of used napkin pads by installing Sanitary Napkin Incinerators

OWS is proud to take initiative in the mission for improving Female Hygiene and Health and is a leading solution provider by providing end-to-end solution for making available quality Sanitary napkins through most advanced state-of-art Automated Vending Machines and then 'the safe & environment friendly disposal of used napkins through incinerators.

Automated Vending Machine is a proven solution for making quality sanitary napkins available 24X7 with ease and convenience for the adolescence girls and women. OWS machines are IOT enabled and with unique features like online connectivity, sensor based No stock alert on real time basis, proven vending mechanism etc. These machines are very small in size (400x150x750mm) and can be easily mounted on walls.

While offering napkins and vending machines, we also understand the challenges in disposing the used napkin pads. We provide solutions for the disposal of sanitary napkins through Sanitary Napkin Incinerator in safe & environment friendly manners. OWS Napkin Incinerators are the ones which treat flue gases at 950 degree C before passing it to atmosphere.

OWS Incinerators are designed as per the Solid Waste Management Act - 2016-amended 2018 and provides double chamber with auto start feature which ensures that used napkins are burnt periodically without any manual intervention.

These machines are also wall mounted. This concept is covered under the objectives of Swachh Bharat Mission, towards achieving a clean and healthy India. Detailed FEATURES of state of art OWS Vending machine & OWS Napkin Incinerator are attached in Annexure- A

OWS products are GeM registered and can be sourced / procured through Government e-market portal. OWS has PAN INDIA network. OWS is also MSME registered and ISO certified company

OWS was incorporated in 2018 with a mission to eradicate social issues at scale. Backed by team with experience to provide solutions for creating awareness and providing solutions for Menstrual Hygiene Management. The OWS team is a mix of technologists, social impact enthusiasts, analysts, who have been associated with various government and non-government projects on Menstrual Hygiene Solutions among others. With over 20 years of cumulative experience in the social sector, the team is poised to 'make a difference'. The cumulative experience of the group towards supply / installation / operation and maintenance totals to 5000+ Vending machines and 4000+ Incinerators.

We propose to install these Napkin Vending Machines and Napkin Incinerators in all - girls/Co-ed Schools, Colleges, Girls/women Hostels, Tribal & backward class hostels, Public /Community women toilets, public locations like bus-stand & other utility service locations, primary health centre, dispensaries, cottage hospitals, Rural hospitals, Aanganwadi's and other locations frequented by women.

SANITARY NAPKIN INCINERATOR
AND MULTI COIN OPERATED NEW S.N. DISPENSER





GARBAGE ENVIROTECH SOLUTIONS Pvt. Ltd.

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Domestic composter

Convert green waste to Composter for Fresh flowers
& Vegetables with Domastic Composter

Capacity : 1-2 kg kitchen/garden waste per day

Space requirement : 2X2 feet

Plantation Capacity : 60-70 plants.

Color option : Blue, Green, Yellow and many more....

Portable Unit





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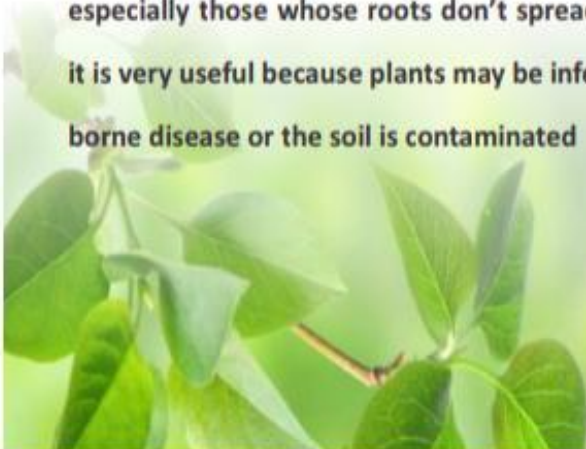


Bio culture powder and manure

•The composting of market vegetable waste along with bulking agents like rice husk, coconut coir is the best and eco-friendly method to reduce the organic waste from the source. This composted material influences the physical and chemical parameters of compost quality and it can be packed in a UV treated poly bag for growing different vegetables. This study will be useful for decreasing leachate production and odor during composting process.

In the present study, the vegetable wastes along with bulking agents like rice husk and coconut coir are composted in a drum. Aerobic process is carried out as the holes are drilled on the surface of the drum. The composted material is then packed in a UV treated bag. The bags are such that it can be opened and vegetables can be grown in that bag. The use of grow bag containing compost is more preferable because grow bag can be used even if there is less space, one could get home grown fresh vegetable, it takes less than 20 minutes to plant any vegetable especially those whose roots don't spread too much, it is very useful because plants may be infected by soil borne disease or the soil is contaminated

BIOLOGICAL INOCULUM FOR COMPOSTING





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DUST BIN



A waste container is a container for temporarily storing waste, and is usually made out of metal or plastic. Some common terms are dustbin, garbage can, and trash can. The words "rubbish", "basket" and "bin" are more common in British English usage; "trash" and "can" are more common in American English usage. "Garbage" may refer to food waste specifically (when distinguished from "trash") or to municipal solid waste in general. In 1875, the first household rubbish bins were introduced in Britain to create a regulated system of collection.

The term "dustbin category" is sometimes used to describe a category that includes people or things that might be heterogeneous, only loosely related or poorly understood. It has been used in discussion of law, linguistics, medicine, sociology and other disciplines.





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SOLUTIONS Pvt. Ltd.**

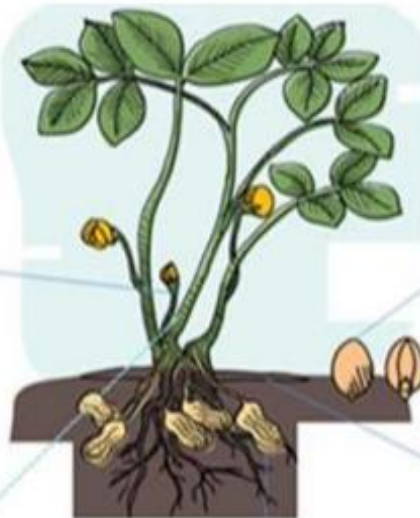
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OWS ALSO DEALS IN Liquid manure, ORGANIC COMPOST FOR FARMING

Fruit close to the soil may be affected by splash contact. Survival of *E. coli* in this cases for almost 1 month has been reported and it gives survival time enough for internalization

A



Sprouting fruits on the open to easy internalization of pathogens on the manured soil

B

Entrance through natural apertures like stomata, lateral junctions of roots and flowers

B

Injured underground nuts incorporates pathogens from organic fertilizers or animal faeces used without composting

B

Poorly prepared organic fertilizers or animal faeces used without composting



24 HOURS FULLY AUTOMATIC COMPOSTING MACHINES



ALL TYPE OF BIO-GAS PLANTS



ALL TYPE OF SHREDDER MACHINES



SANITARY NAPKIN INCINERATOR AND MULTI COIN OPERATED NEW S.N. DISPENSER

HOUSE OLD SMART COMPOSTER WITH PLANTER



COMPOSTING TUMBLER AND DUSTBIN

100% BIO-ORGANIC COMPOST MAKER BIN

BIOLOGICAL INOCULUM FOR COMPOSTING



OUR PRODUCTS

COMPOSTING

1. Bio organic plastic composting bin
2. Bio organic fiber composting bin
3. Composting tumbler
4. Conceit composting bin
5. Vermi beds
6. Fully automatic OWC Organic Composting Machine
7. Bio culture powder
8. Smart composting and plants system(ok)
9. Fully-automatic composting Machine
10. Semi-automatic composting project
11. Manual composting project
12. Pulablizer compost powder maker
13. Compost filter
14. Organic waste convertor
15. Smart vermi composting
16. Organic waste management service
17. Home composting
18. Organic vermi compost
19. House hold smart composter
20. Compost manure
21. Drum composting system
22. House hold fully automatic composting machine
23. Tumbler Composting Machine

SHREDDER

1. Vertical waste crusher
2. Waste crusher
3. Food and garden waste shredder machine
4. Food waste shredder machine
5. Garden waste shredder machine
6. Chicken waste shredder machine
7. Barn waste shredder machine
8. Plastic waste shredder machine
9. Pet bottle shredder machine
10. Paper waste shredder machine
11. Clothes waste shredder machine
12. Mobile and Laptop shredder machine
13. Keyboard and motherboard shredder machine
14. Medical waste shredder machine
15. Toys waste shredder machine
16. E Waste shredder machine
17. Double shaft shredder machine
18. Single shaft shredder machine
19. Shredder blades
20. Shredder assembly
21. Fish waste shredder machine
22. Flowers waste shredder machine
23. Coconut waste shredder machine
24. Fruits waste shredder machine
25. Electrical waste shredder machine
26. Solid waste shredder machine

BIO-GAS

1. Bio gas plant
2. Balloon bio gas
3. Conceit bio gas
4. M. S. with FRP Bio-Gas
5. M. S. Bio-Gas Plant
6. Bio gas generator
7. Commercial Bio-Gas Plant
8. Bio gas repairing service
9. Bio gas plant moon Mantanecesservice
10. Bio gas plant operation service
11. Bio gas plant installation service
12. Bio gas plant consultancy service
13. Bio gas consulting service
14. Cow dung gas plant
15. Bio-gas Commixing Service
16. Gobar Gas Plant

OTHERS

1. Sanitary napkin incinerator
2. Sanitary napkin vending Machine
3. Mask incinerator
4. Dust bin
5. Pallet maker machine
6. Bio mass wood pallet
7. Domestic pallet burner stove
8. Bio diesel
9. Agriculture pesticides
10. Foot operated hand sanitizer stand
11. Plastic pet bottle furniture
Grinding Machine
12. Plastic tills maker machine

OUR ESTEEMED COSTUMER



Patanjali Bio Research Institute
Let's start Building a Healthy and Wealthy Nation



My
Green
Bin



**GREEN INDIA
CLEAN INDIA.....**



एक कदम स्वच्छता की ओर



**GARBAGE
ENVIROTECH
SOLUTIONS**



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