



नवीन एवं
नवीकरणीय ऊर्जा मंत्रालय
MINISTRY OF
**NEW AND
RENEWABLE ENERGY**
सत्यमेव जयते

Approved by

Innovative Biogas Technology
From Baramati Eco Systems &
Technology Pvt. Ltd. gets
MNRE, Govt of India Approval



17 Years Of Experience in Biogas Field
10000+ Biogas Installed
10000+ Happy Farmers



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"Transforming Waste into Power, Embracing a Sustainable Tomorrow"

Vision

Baramati Eco Systems And Technology Private Limited, Company's Biogas Plant is to foster a sustainable future by promoting environmentally responsible practices through the utilization of biogas. We aim to be a leading provider of biogas solutions, creating a positive impact on the environment, communities, and businesses. Our vision is to establish long-term partnerships with companies committed to corporate social responsibility (CSR) and together contribute to a greener and cleaner world.

Mission

Baramati Eco Systems And Technology Private Limited, Company's Biogas Plant is to collaborate with companies to fulfill their CSR goals by implementing sustainable biogas projects. We are dedicated to delivering innovative biogas solutions that not only address environmental challenges but also create economic and social value.

Social Objectives

Biogas, with its numerous environmental and social benefits, is more than just a renewable energy source. It has the power to transform communities by providing clean energy, improving agricultural practices, creating employment opportunities, and promoting sustainable development. By embracing biogas as a social objective, we can drive positive change, empower individuals, and build a more inclusive and sustainable future for all. Let us recognize the immense potential of biogas and work collectively towards its widespread adoption to maximize its social impact.



"Fuel the Future: Powering Sustainable Growth with Biogas!"



- 01 5 Lakh Biogas to be installed in next 5 years
- 02 Liquid slurry to be provided to plants from Slurry filter using drip irrigation technique.
- 03 Phosphate Rich Organic Manure produced using this biogas, which is used for organic farming
- 04 Baramati Eco Systems And Technology Private Limited, biogas will provide employment to rural people.
- 05 Baramati Eco Systems And Technology Private Limited, biogas is working under Atmnirbhar Bharat
- 06 Baramati Eco Systems And Technology Private Limited, biogas create a recycling unit which helps to use waste material





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Powering progress, preserving the planet

CSR Motive

Social Impact : Baramati Eco Systems And Technology Private Limited emphasize its CSR motive of creating positive social impact by targeting projects that directly benefit rural communities. This can include initiatives like education programs, healthcare facilities, and women empowerment initiatives.

Environmental Sustainability : The company demonstrates its commitment to environmental sustainability by promoting biogas as a renewable energy source. By providing a clean alternative to traditional fuels, Baramati Eco Systems And Technology Private Limited contributes to reducing greenhouse gas emissions and combating climate change.

Inclusive Growth : The CSR motive focuses on promoting inclusive growth by ensuring that the benefits of biogas technology reach marginalized sections of society. This can involve targeted outreach programs, subsidies, and awareness campaigns to ensure equitable access to biogas solutions.

CSR Objective

We are dedicated to make a significant difference in the world by embracing the power of biogas technology.



"Unlock Savings and Sustainability : Biogas, the Cost-Effective Alternative to LPG!

Solution

- Biogas produced by decomposing organic materials such as animal dung (wet household waste), poultry waste in a closed dome.
- Lighter than air
- Methane gas is 50 to 75%
- Burns with a blue flame
- Alternative to LPG, eco-friendly.
- Profitable in rural areas
- Lightens the burden on conventional energy sources.
- 25 to 50 percent of carbon dioxide.
- Due to the use of biogas, women in rural areas are saved from the trouble of cooking on stoves, and their standard of living improves.
- 4 to 5 metric tons of organic fertilizer is obtained from about 2 cubic meters of biogas
- The same manure improves the soil texture if used in the field.
- If the slurry from biogas is used as a fertilizer in the field, no weeds will grow in the field, thus saving the cost of weeding as well as saving time.

What exactly is biogas slurry?

NPK stands for nitrogen (N), phosphorus (P), and potassium (K), which are essential macronutrients for plant growth. The slurry of biogas, also known as digestate or biogas residue, is the byproduct of anaerobic digestion, a process used to produce biogas from organic materials.



Biogas Powering the Earth, Protecting the Planet!

Environmental Issues

- LPG Cylinder
- Carbon Footprint
- Global Warming
- Increasing Cancer Patients
- Less Farming Production
- Waste Management
- Less Ideal Village Ecosystem
- Less Sustainable Product
- Other Environmental Factors
- Increasing Water Pollution
- Less Renewable Energy
- Few Recycling Unit

After Installing Biogas

Scope for Development

- • It Saves LPG Cylinder Amount
- • Reduces Carbon Footprint
- • Helping For Global Warming
- • Reducing Cancer Patients
- • Sustainable Organic Farming
- • Effective Waste Management
- • Ideal Village
- • Long Term Sustainable Product
- • Reducing Environmental Factors
- • Helping to Reduce Water Pollution
- • Renewable Energy Generator
- • Manure Use For Recycling





Monetary Benefits of Biogas

Saved amount can use for every farmer's children education & family health issues

Installation of this biogas plant can save Rs. 24,000 per year in fuel cost of Rs. 240,000 in ten years

This plant produces 1500 kg of high quality slurry fertilizer per month which is very beneficial for organic farming as well as orchards.

The installation of this plant produces 18 tonnes of high quality organic manure per annum resulting in a net annual benefit of Rs 70,000 per annum.

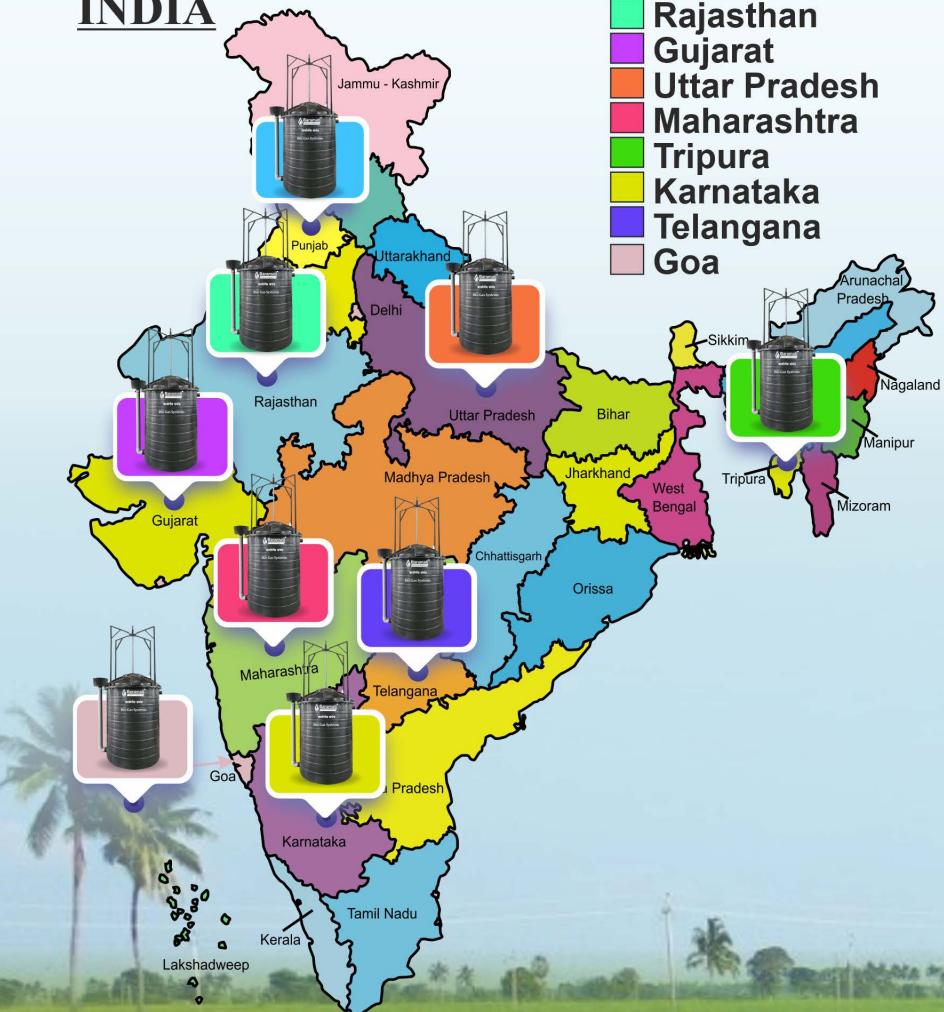
In 10 years, this biogas plant saves Rs. 2,40,000 in fuel cost so a farmer or a biogas plant owner can save Rs. 9 lakh, 40 thousand or More





A journey of Baramati Eco Systems And Technology Private Limited

INDIA



Punjab
Rajasthan
Gujarat
Uttar Pradesh
Maharashtra
Tripura
Karnataka
Telangana
Goa



I have seen many biogas plants in my career. But Baramati Eco Systems And Technology Private Limited, Companies biogas is the most sucessfull and sustainable solution. Students from Institutes like IIT should come here for their training. This Biogas plant is one of the best for the entire country and specifically for the 7 lakh villages all over India.

- **Dr. Vijay Bhatkar**
Chairman of the Governing Board
of the Indian Institute of Technology
Delhi



This Biogas plant is prooving to be a boon for all the organic farmers. For sustainable organic farming this biogas plant is absolutely essential. Baramati Eco Systems And Technology Private Limited, Companies biogas systems is a revolutionary step towards organic farming

- **Shri Dnyaneshwar Bodke**
Preisident and Founder, Abhinav Farmers Club, Pune.
Abhinav Farmers Club 1.5 CR+ farmers use slurry as organic fertilizer prepared by our Biogas system

Media and Authority Appraisal





Technical Specifications of Baramati Eco Systems And Technology Private Limiteds Biogas Plant

Biogas Tank Capacity

- 2 Cubic Meter Biogas Plant Capacity
- Code- BEBP-2000-02

Biogas Tank Durability

- HDPE/LLDPE Roto Moulding
- Virgin Powder Reliance Company Material Used
- 8/9MM Tank thickness
- Extra RIBS on Tank Purpose for strength

Biogas Tank Specifications

- Outer Tank Height - 72inch • Diamter - 62 Inch
- Inner Tank Height - 55 Inch • Diamter - 54 Inch
- 3000 Litre Outer 2000 Litre Inner
- 5000 Liter Total Capacity

Biogas Tank Promise

- Biogas Life 20 Years Warranty 5 Years
- Every 3 Months Follow-up

Biogas Tank Technical Info

- The MS frame and top bush are powder-coated for added durability.
- Powder Coated Spring-Steel GR III material used for durability
- SS Pipe provided for spring support.
- The digester ring also has an inserter, inserted for powder coating to provide extra thickness for strength.

Biogas Tank Other Specs

- A water remover is provided for the gas outlet pipe to remove any excess moisture water
- The tank connector uses a 4-inch elbow, for easy passage of Slurry from inlet pipe Baramati Eco Systems And Technology Private Limited, uses spider FRP material to ensure high-quality production and all weather durability



ADVANTAGES

- Extra Thickness to tank compared to other products in the market for additional durability
- Extra three Ribs added to Dome, so that dome does not get pressurized when excess gas is produced
- "INSERTER" inserted inside digester ring. This component is used to avoid damage while installing "L angle". This also helps in sustaining heavy pressure.
- "Dome" shape is used in our biogas system. This helps in increasing the gas storage capacity.
- Baramati Eco Systems And Technology Private Limited, Companies Biogas is portable and it requires less space to install, thus making it easier for Farmers.
- We provide "SLURRY FILTER", along with Biogas Plant. This filter is used to separate, liquid and solid of Slurry
- Water Remover is provided to remove moisture water.
- We are using Hot-Dip galvanized nuts and bolts. These are durable for more than 15+ years.



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WHY USE

Baramati Eco Systems And Technology Private Limited Company's Biogas

Baramati Eco Systems And Technology Private Limited, Company's biogas is an eco-friendly and sustainable source of energy that helps reduce dependency on fossil fuels. Its production also helps in managing agri-cultural waste effectively, leading to a cleaner environment.

WE ARE COMMITTED TO FARMERS WELFARE

Our aim is to empower farmers and help them achieve their maximum potential. By working closely with them, we strive to improve their lives and livelihoods, and create a sustainable future for agriculture.

Our Services:

- Quick Installation
- Moulded In One Piece
- Ready To Use
- Easy To Install and Maintain
- Requires Less Space
- Easy to assemble
- Leak - Proof
- Can be used above the ground or underground.
- Easy Cleaning
- Easy to relocate, if required
Best for kitchen waste,
- Cow Dung, Poultry Waste,
Hotel Waste



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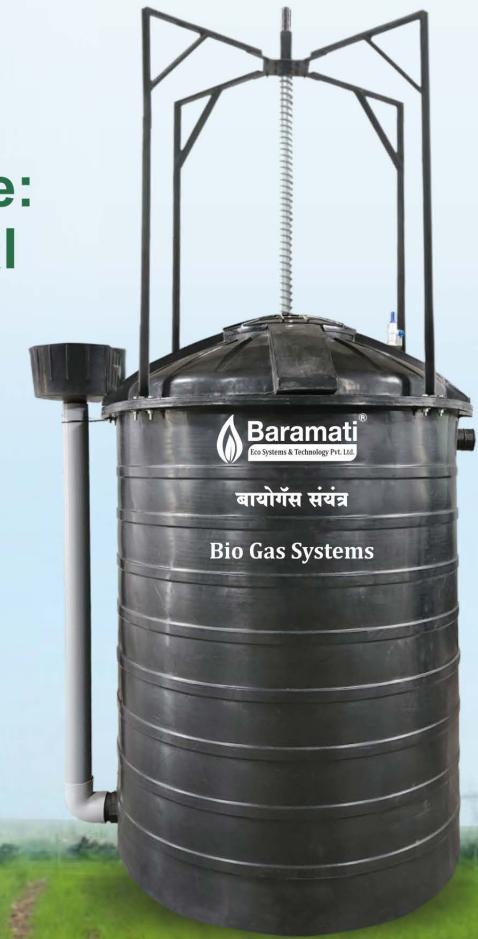
Overall, biogas presents significant opportunities for companies to integrate CSR into their operations. By investing in biogas projects, companies can contribute to environmental sustainability, support local communities, foster energy access, and align their business practices with the principles of social responsibility.

#startupindia
DIPP131647

Uniting for a Sustainable Future: Partnering for Corporate Social Responsibility in Biogas Innovation



Thank You!



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