

# ENERSOL BIOPOWER PVT. LTD.

Enersol Biopower®, established in 2013, has built a commendable reputation for its manufacturing, supply, and distribution of biomass-to-energy products.

The confectionery industry has faced challenges due to the continuous increase in LPG prices in recent years.

Our Green Magic 15" Smokeless biomass stove emerges as the optimal solution for the confectionery industry. It offers an efficient alternative to LPG gas stoves, generating equivalent heat output at a significantly reduced cost, typically 50-60% lower than LPG.

Overall, Enersol Biopower's Green Magic 15" Smokeless biomass stove offers a sustainable, cost-effective, and efficient solution for cooking needs while promoting environmental stewardship and energy independence.

## GREEN-MAGIC15

**15" SMOKELESS BIOMASS STOVE/BHATTI**



**खर्चा आधा, काम ज्यादा!**

## KEY FEATURES OF ESB-R GREEN-MAGIC15

ESB-R Green-Magic15 biomass stove has some unique features that make it more advantageous than other available biomass stoves in the market. They are as follows:

- ✓ **Enhanced Efficiency:** Outperforms traditional chulhas, ensuring optimal fuel utilization and improved cooking performance.
- ✓ **Reliable and Compact:** Built to withstand rugged conditions while maintaining a compact design for easy integration into various settings.
- ✓ **Low Maintenance, Easy Operation:** Requires minimal upkeep and offers straightforward operation, suitable for users across urban and rural areas.
- ✓ **Accessible to All:** Designed to meet the needs of diverse populations, bridging the gap between urban and rural cooking requirements.
- ✓ **Reduces Fossil Fuel Dependency:** Efficiently utilizes biomass materials, curbing reliance on traditional fuels and supporting sustainable energy practices.
- ✓ **Safety Features:** Incorporates safety mechanisms to mitigate fire hazards and ensure user protection during use.
- ✓ **Environmentally Conscious:** Produces low emissions and eliminates soot, promoting eco-friendly cooking practices and reducing environmental impact.



**60% more cost-effective  
than LPG gas stoves.**

**Return on investment  
in 2 months.**

**Wood waste, cow dung  
cakes, coal, or briquettes  
can be used**

## TECHNICAL SPECIFICATIONS

Sr. No.	Particulars	Details
1.	Make	Enersol Biopower®
2.	Fuel Mode	100% Biomass
3.	Feeding Mode	Manual
5.	Feeding System	Side Feeding
6.	Feedstocks	Wood chips/Charcoal/ Pellets/Briquettes/Cow-dung cake etc.
7.	Made of	Mild Steel & Ceramic Brick
8.	Thermal Output	30000-62500Kcal/hr.
9.	Accepted Moisture in Fuel	Less than 20%
10.	Ash Removal Mode	Manual
11.	Flame Regulator	Provided to adjust the flame
12.	Thermal Efficiency	35.5%

Model Name  
**Green-  
Magic15**

Model No.  
**ESB-R/GM15**

Stove Fire  
Zone  
**15" Fire Zone**

Biomass  
Consumption  
**12-25kg/hr.**

Power Required  
**100 Watt  
Blower**

Stove Type  
**Force-Draft**

Weight  
**190-200 kg  
Approx.**

Dimension  
**H26 inch  
W28 inch**

## RETURN ON INVESTMENT

Sr. No.	Particular	Details
1.	LPG commercial cylinder cost	Rs.1819/-
2.	1kg LPG is equal to	5kg wood chips
3.	Biomass wood chips to replace one LPG commercial Cylinder	95kg ( 5 x 19)
4.	Total biomass cost to replace 1 LPG cylinder	Rs.665 (95 x 7) (considering wood cost Rs.7/kg)
5.	Saving per LPG cylinder	Rs.1,154/- (1819-665)
6.	If LPG consumption per day is one commercial cylinder then per day saving	Rs.1,154/-
7.	Per month saving	Rs.34,620/- (1,154 x30)
8.	Yearly saving	Rs.4,15,440/- (34,620 x12)
9.	Return on Investment	25 Days

**RETURN ON  
INVESTMENT  
(ROI)  
IN 30 DAYS**

**SAVE  
Rs.34,620/-  
PER MONTH**

**SAVE  
Rs.4,15,400/-  
PER YEAR**

# APPLICATIONS



For Daal-Bati-  
Churma Makers



For Fabric Dye Shops



At Street Food Stalls



At Kachori Stall



At Samosa Stall



At Jalebi Shops



At Pakora &  
Snack Shops



At Hotel, Dhaba  
& Restaurant



Sweet Shops



At Mess & Canteen

## **ESB-R GREEN-MAGIC15** **PICTURES**

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## OUR PRODUCTS ON YOUTUBE

- ✓ [https://www.youtube.com/watch?v=mk\\_yeqDBI\\_2Y](https://www.youtube.com/watch?v=mk_yeqDBI_2Y)
  - ✓ <https://www.youtube.com/watch?v=RjHPXigdAa8&t=5s>
  - ✓ <https://www.youtube.com/watch?v=qPXbaBs1cgU>
  - ✓ <https://www.youtube.com/watch?v=PfQVa7wNUBU>
  - ✓ <https://www.youtube.com/watch?v=0AhISC5Dw00&t=18s>
  - ✓ <https://www.youtube.com/watch?v=Bb8g5ooogaM>
- ✓ <https://www.youtube.com/watch?v=0AhISC5Dw00>
  - ✓ <https://www.youtube.com/watch?v=l8NufIvOH4k&t=23s>
  - ✓ <https://www.youtube.com/watch?v=5zYZ5I5zBfc>
  - ✓ [https://www.youtube.com/watch?v=Ee0\\_gxwpGc&t=29s](https://www.youtube.com/watch?v=Ee0_gxwpGc&t=29s)
  - ✓ <https://www.youtube.com/watch?v=OD9ueNYjf1Q&t=7s>
  - ✓ [https://www.youtube.com/watch?v=-dsKwNdd\\_IY](https://www.youtube.com/watch?v=-dsKwNdd_IY)



- ✓ <https://www.youtube.com/watch?v=qT4sIGGJEfl&t=52s>
  - ✓ <https://www.youtube.com/watch?v=7MVHph7NfkY&t=41s>
  - ✓ <https://www.youtube.com/watch?v=FYPajsGRrrw>
  - ✓ <https://www.youtube.com/watch?v=hoFHYyMAstY>
  - ✓ <https://www.youtube.com/shorts/tlTevfsPD0o>
  - ✓ <https://www.youtube.com/shorts/JL5d8YCauc>
- ✓ <https://www.youtube.com/watch?v=6cYUyY25OXE>
  - ✓ <https://www.youtube.com/watch?v=LKDlBvXdHyM>
  - ✓ <https://www.youtube.com/watch?v=7MVHp7NfkY&t=116s>
  - ✓ <https://www.youtube.com/shorts/lihjvixNtbE>
  - ✓ <https://www.youtube.com/watch?v=RjHPXigdAa8>
  - ✓ <https://www.youtube.com/watch?v=PfQVa7wNUBU&t=33s>



## OUR PRESTIGIOUS PARTNERS

- ✓ Laxmi Jodhpur Misthan Bhandar, Jhunjhunu
- ✓ Surya Sweet Home, Bilada, Jodhpur
- ✓ Aggarwal Sweet Bhandar, Budhlada, Punjab
- ✓ Devendar Singh / Amul Parlour, Siwana, Rajasthan
- ✓ Rajgharana Sweets, Jaipur, Rajasthan
- ✓ Ashok Sweets, Bhilwara, Rajasthan
- ✓ Jagdamba Bikaner Sweet, Raipur, Chhattisgarh
- ✓ Mr. Abhishek Gupta, Umariya, Madhya Pradesh
- ✓ Roshan Hotel, Kurnool, Andhra Pradesh.
- ✓ Mahalaxmi Bikaner Misthan Bhandar, Rohatak, Haryana
- ✓ Shri Vinayak Ghee Shah Misthan Bhandar, Bhagalpur, Bihar.
- ✓ Vaishali Rajpurohit Sweets, Maharashtra
- ✓ Shree Devnarayan Sweets & Snacks, Surat, Gujarat
- ✓ Madan Singh, Swaimadhapur
- ✓ Shri Jodhpur Misthan Bhandar, Dungarpur
- ✓ Shree Ganesh Rajpurohit Sweet, Satara, Maharashtra
- ✓ Shivani Sweets & Refreshment, Rajgarh, Madhya Pradesh/
- ✓ Madhumilan Sweets, Chandmari, Guwahati
- ✓ Gyasi Halwai Mithai Wale, Mathura, Uttar Pradesh
- ✓ Sidhi Vinayak Sweets, Chauparan, Jharkhand
- ✓ Srinivas Valluri, Mandapeta, Andhra Pradesh
- ✓ Sak Catering Service, Karnataka
- ✓ Rahul Sweet Center, Bhind, MP
- ✓ Shree Bikaner Sweets, Kotdwara, UK
- ✓ Goswami Mishtan Bhandar, Nainwa, Bundi
- ✓ Venkata Ramana Foods, Sangareddy, Telangana.
- ✓ New Marwar Sweets, Jhunjhunu, Rajasthan.
- ✓ Hari Om Sweets, Barmer, Rajasthan.
- ✓ Mr. Rahul Sahu, Berhampur, Odisha.
- ✓ Tumul Foods Pvt. Ltd., Banaskantha, Gujarat.





## OUR PRODUCTS SOLD IN INDIA

- ✓ Jammu & Kashmir
- ✓ Himachal Pradesh
- ✓ Chandigarh
- ✓ Punjab
- ✓ Uttarakhand
- ✓ Haryana
- ✓ Delhi
- ✓ Rajasthan
- ✓ Uttar Pradesh
- ✓ Gujarat
- ✓ Madhya Pradesh
- ✓ Chhattisgarh
- ✓ Maharashtra
- ✓ Telangana
- ✓ Pondicherry
- ✓ Tamil Nadu
- ✓ Kerala
- ✓ Jharkhand
- ✓ West Bengal
- ✓ Sikkim
- ✓ Meghalaya
- ✓ Assam
- ✓ Bihar
- ✓ Arunachal Pradesh
- ✓ Orissa
- ✓ Goa
- ✓ Karnataka
- ✓ Andhra Pradesh



## ESB-R BIOMASS STOVES



**ESB-R  
Bio-Nature**



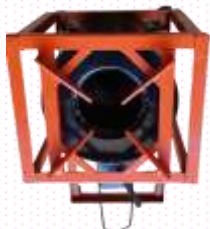
**ESB-R  
Bio-Mini**



**ESB-R  
Harit-Agni12B**



**ESB-R  
Bio-Prithvi24**



**ESB-R  
Green-Agnika10**



**ESB-R  
Harit-Agni12**



**ESB-R  
Bio-Virat18**



**ESB-R  
Harit-Jumbo27**



**ESB-R  
Bio-Akash21**



**ESB-R  
Jumbo-Shakti36**

## OUR PRODUCTS



**Automaking Roti  
Making Machine**



**Biomass based  
Automatic  
Mawa-Machine**



**Portable Biomass  
Gasifier**



**Roti Maker  
Biomass Stove**



**Biomass  
Torrefaction Plant  
(Charcoal Plant)**



**Used Oil  
Recycling Plant**



**Multi-Purpose  
Food Processing  
Machine**



**Biogas Generator**



**Wood Cutter /  
Biomass Shredder**



**Biomass  
Briquette  
Pellet Machine**

# AWARDS

- ✓ Fifth National Grassroots Innovation Award, 2009.
- ✓ Innovation Scholars In-residence Program At President House.
- ✓ Indian Merchant Chamber (IMC) – Inclusive Innovation Award, 2012.
- ✓ Certificate of Appreciation As “Farmer Scientist” By Rajasthan University of Veterinary & Animal Sciences, Bikaner, Rajasthan.
- ✓ Certificate of “Farmer Scientist” By Pacific University, Udaipur, Rajasthan.
- ✓ Certificate From Department of Science & Technology At National Science Day, Jaipur, Rajasthan.
- ✓ Business Expo Kota 2023, Kota, Rajasthan.



## EXHIBITIONS

- ✓ Exhibition of Innovations, President House, 2010
- ✓ Inauguration of ESB-R Biomass gasifier by former chief minister of Meghalaya, 2013
- ✓ Third international conference on creativity & innovations at grassroots at Indian institute of management (IIM), Ahmedabad, 2015
- ✓ Exhibition of innovations, President House, 2015
- ✓ India International Science Festival (IISF), New Delhi, 2016.
- ✓ India International Trade Fair (IITF), New Delhi, 2016.
- ✓ Mega Science & Technology and Industry Expo, New Delhi, 2017
- ✓ Bollywood movie Padman promotion, 2018.



## CONNECT US



<https://www.youtube.com/@enersolbiopower-biomassgas3987>



<https://www.indiamart.com/enersol-biopower-jaipur/profile.html>



<https://twitter.com/EnersolBiopower>



<https://www.linkedin.com/company/enersol-biopower-pvt-ltd>



[https://www.instagram.com/enersol\\_biopower/](https://www.instagram.com/enersol_biopower/)



## CONNECT US

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