

## **ENERSOL BIOPOWER PVT. LTD.**

Enersol Biopower® a company established in 2013 has attained an enviable reputation in the market for manufacturing, supplying and distributing a range of biomass to energy products.

The consistent increase in LPG prices has significantly impacted the confectionery industry in recent years. Biomass stoves emerge as a favorable alternative to LPG stoves due to their dual advantages of being both environmentally friendly and cost-effective.

Our Jumbo-Shakti36 Biomass Stove is specifically tailored for the confectionery industry, providing heat levels comparable to LPG stoves while also achieving over 60% savings in production costs.

## **ESB-R JUMBO-SHAKTI36**



**36” Smokeless Biomass Stove/Bhatti**

**खर्चा आधा, काम ज्यादा!**

## KEY FEATURES OF ESB-R JUMBO-SHAKTI36

ESB-R Jumbo-Shakti36 biomass stove has some unique features that make it more advantageous than other available biomass stoves in the market. They are as follows:

- ✓ It is more efficient than traditional chulha.
- ✓ It is a reliable, rugged, and compact system.
- ✓ It has low maintenance requirements and is easy to operate.
- ✓ Accessible to both urban and rural populations.
- ✓ It reduces the use of fossil fuels.
- ✓ It promotes sustainable fuel usage by efficiently utilizing biomass materials such as agricultural residues, wood pellets, or crop wastes, thereby reducing the demand for traditional fuel sources and mitigating deforestation pressures.
- ✓ As it comes with enclosed combustion chambers or temperature control mechanisms, it reduces the risk of accidental fires or burns.
- ✓ An eco-friendly product with low emission & no soot.



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

**Return on investment  
in 4-5 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.	Stove Type	Force-draft
4.	Feeding Mode	Manual
5.	Feeding System	Side Feeding
6.	Biomass Consumption	70-150kg/hr.
6.	Made of	Mild Steel & Ceramic Brick
7.	Accepted Moisture in Fuel	Less than 20%
8.	Ash Removal Mode	Manual
9.	Flame Regulator	Provided to adjust the flame
10.	Thermal Efficiency	35.5%

Model Name  
**Jumbo-Shakti36**

Model No.  
**ESB-R/JS36**

Bhatti Fire zone  
**36inch fire zone**

Stove Size  
**H50" x W50"**

Stove Weight  
**650kg Approx.**

Power Required  
**415W (165W & 250W Blowers)**

## RETURN ON INVESTMENT (ROI)

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 x 12)

IF REPLACE  
ONE CYLINDER  
PER DAY

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

SAVE  
**Rs.4.15lakh**  
PER YEAR

**1kg  
LPG** = **5kg  
Wood**

# APPLICATIONS



**Prasad at Temple**



**At Mess & Canteen**



**To Prepare Langar at Gurdwara**



**Sweet Shops**



**Banana Chips Manufacturers**



**Namkeen Manufacturers**



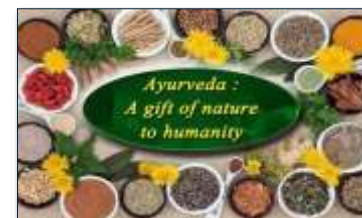
**Laddu Manufacturers**



**Mawa/Khoya Makers**



**Bundi-dana Manufacturers**



**Ayurvedic Medicine Manufacturers**



**Fabric Dye Shops**



## ESB-R JUMBO-SHAKTI36 PICTURES

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## OUR PRODUCTS ON YOUTUBE

- ✓ [https://www.youtube.com/shorts/YdZkz\\_QbkLU](https://www.youtube.com/shorts/YdZkz_QbkLU)
- ✓ <https://www.youtube.com/watch?v=LKDlLvXdHyM>
- ✓ <https://www.youtube.com/watch?v=PfQVa7wNUBU&t=33s>
- ✓ <https://www.youtube.com/watch?v=RjHPXigdAa8>
- ✓ <https://www.youtube.com/watch?v=7MVHph7NfkY&t=116s>
- ✓ <https://www.youtube.com/watch?v=LKDlLvXdHyM>

- ✓ <https://www.youtube.com/watch?v=5zYZ5I5zBfc>
- ✓ <https://www.youtube.com/watch?v=0AhISC5Dw00>
- ✓ [https://www.youtube.com/watch?v=mkyeqDBI\\_2Y](https://www.youtube.com/watch?v=mkyeqDBI_2Y)
- ✓ <https://www.youtube.com/watch?v=W9HXk2M-Mgw>
- ✓ <https://www.youtube.com/watch?v=I8NuflvOH4k>
- ✓ <https://www.youtube.com/watch?v=Rp17MmDRilQ>

## YouTube

- ✓ <https://www.youtube.com/watch?v=7MVHph7NfkY>
- ✓ <https://www.youtube.com/watch?v=h0FHYyMAstY>
- ✓ <https://www.youtube.com/watch?v=-XmU5L6lytM>
- ✓ [https://www.youtube.com/watch?v=-dsKwNdd\\_IY](https://www.youtube.com/watch?v=-dsKwNdd_IY)
- ✓ <https://www.youtube.com/watch?v=Y73UXW6aIM>
- ✓ <https://www.youtube.com/watch?v=lAGaO9LRVOY&t=100s>
- ✓ <https://www.youtube.com/watch?v=FYpajsGRrrw>
- ✓ <https://www.youtube.com/watch?v=6cYUyY250XE>
- ✓ <https://www.youtube.com/watch?v=qPXbaBs1cgU>
- ✓ <https://www.youtube.com/watch?v=qT4slGGJEfI>
- ✓ <https://www.youtube.com/shorts/JL5d8YCauic>
- ✓ <https://www.youtube.com/watch?v=qJa4ePv7ggc>

## OUR PRESTIGIOUS PARTNERS

- ✓ Shyam Food Products, Udaipur, Rajasthan.
- ✓ Mitrajeet (OPC) Pvt. Ltd., Kodema, Jharkhand.
- ✓ Sonu Trading Company, Bathinda, Punjab.
- ✓ Ashtang Healthcare Pvt.Ltd., Gujarat.
- ✓ Pivotal Foods Industries Pvt. Ltd., Jaipur, Rajasthan.
- ✓ Mr. Vinod Gupta, Mou, Uttar Pradesh.





## OUR PRODUCTS SOLD IN INDIA

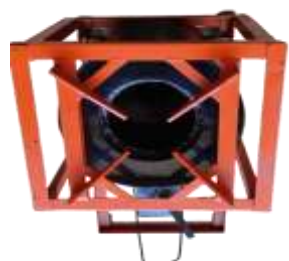
- ✓ Jammu & Kashmir
- ✓ Himachal Pradesh
- ✓ Chandigarh
- ✓ Punjab
- ✓ Uttarakhand
- ✓ Haryana
- ✓ Delhi
- ✓ Rajasthan
- ✓ Uttar Pradesh
- ✓ Gujarat
- ✓ Madhya Pradesh
- ✓ Chhattisgarh
- ✓ Maharashtra
- ✓ Telangana
- ✓ Pondicherry
- ✓ Tamil Nadu
- ✓ Kerala
- ✓ Jharkhand
- ✓ West Bengal
- ✓ Sikkim
- ✓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



## ESB-R BIOMASS STOVE RANGE



ESB-R  
Bio-Nature



ESB-R  
Green-Agnika10



ESB-R  
Bio-Mini



ESB-R  
Harit-Agni12



ESB-R  
Harit-Agni12B



ESB-R  
Green-Magic15



ESB-R  
Bio-Virat18



ESB-R  
Bio-Akash21



ESB-R  
Bio-Prithvi24



ESB-R  
Harit-Jumbo27

## OUR PRODUCTS



**Automaking Roti Making Machine**



**Portable Biomass Gasifier**



**Biomass Torrefaction Plant (Charcoal Plant)**



**Used Oil Recycling Plant**



**Biomass based Automatic Mawa-Machine**



**Roti Maker Biomass Stove**



**Biogas Generator**



**Biomass Briquette Pellet Machine**



**Wood Cutter / Biomass Shredder**



**Multi-Purpose Food Processing 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.





## CONTACT 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/)



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