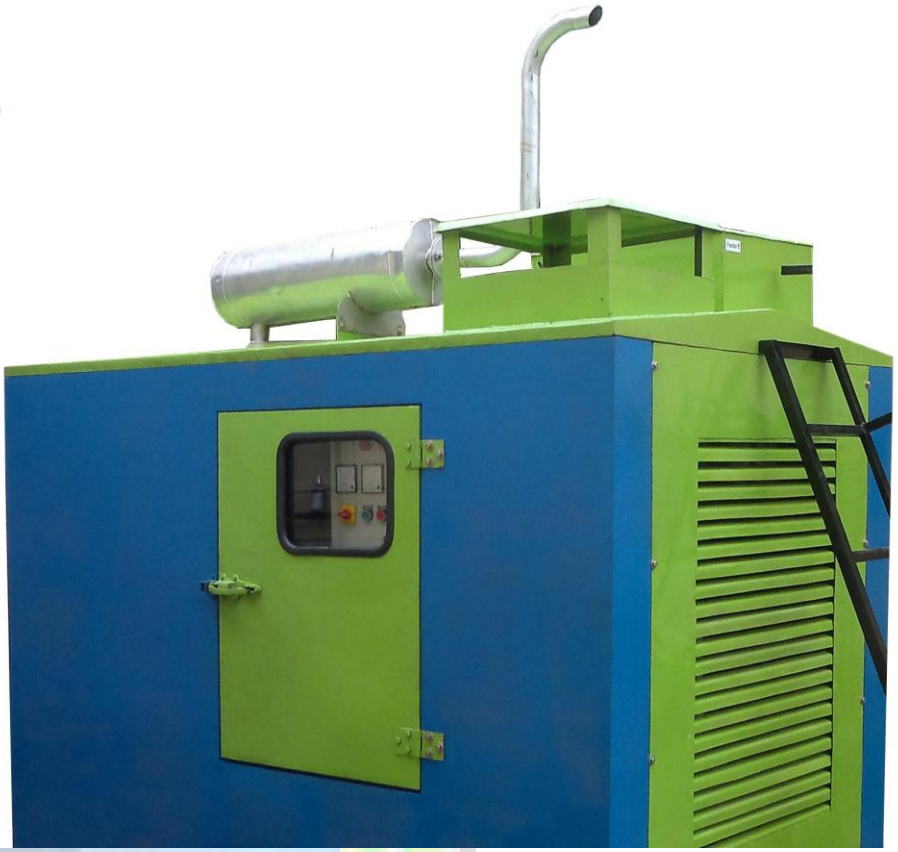
Bio-Glo
Biomass Gasifiers



National Innovation Foundation

WHY "BIO-GLO" BIOMASS GASIFIER?

Greater efficiency all sizes, large or small.

Sound proofing system

Avoids continuous water flow requirement

Environmentally friendly

Good for rural and urban use also

Reliable, rugged, compact system

Replaces the fossil fuel

Low maintenance and easy to operate

Key Components of "BIO-GLO" GASIFIER:

- Hopper
- Ignition pot
- Cooling filter
- Cleaning Filter
- Pan Filter
- Saw dust filter
- Cotton Filter
- Ash tray
- Water Tank

ACCEPTABLE BIOMASS FEEDSTOCKS

In addition to almost all types of wood waste and fuel wood/ fire wood etc. "BIO-GLO" Biomass Gasifiers can operate on the following feedstock also:

- ✓ **Stalks of Cotton, pulses etc.**
- ✓ **Coconut Shells**
- ✓ **Maize Cobs**
- ✓ **Branches**
- ✓ **Twigs**
- ✓ **Weeds like lantana camara**
- ✓ **Appropriate briquettes of various agricultural residues**
- ✓ **Rice Husk, Saw-Dust and Fines**
- ✓ **Jetropha Tree Waste**
- ✓ **Briquettes of Tamarind husk.**
- ✓ **Olive Wastes**
- ✓ **Rubber Tree Waste**
- ✓ **Certain Industrial wastes of paper mills, plywood industry etc.**

[Important Note: All waste should be less than 18 or 19% moisture content]

GENERAL USES OF BIOMASS GASIFIERS

Biomass Gasifiers are used practically for any use, where Electricity is required and the availability is short or not there on regular basis and Globally we see shortage or Non-availability of power in more than one way, in almost all developing and Under-developed countries, here are some of the indicative uses:

Agricultural Use: **Run Pump sets in remote field for irrigation purpose.**

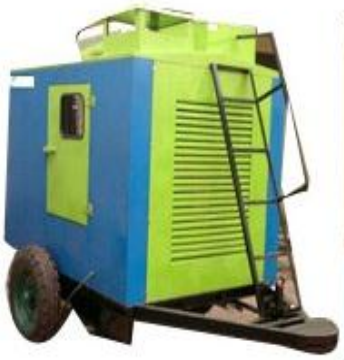
Water Availability Purpose in Rural areas: **Water Lifting by submersible pumps**

Rural Electrification Use: **For village, community or individual homes**

Mini, Small and Medium Industries: **Electricity availability or fight shortages**

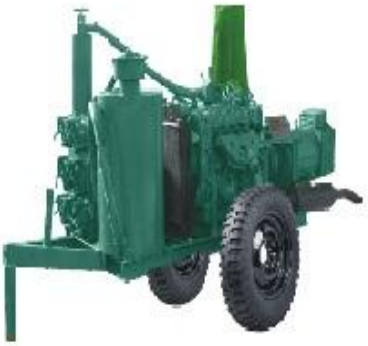
[e.g. Saw mills, Flour mills, any essential or non-essential industries]

Capacity offered varies from 2 KW system to systems as large as 200KW even But our most popular sizes are usually 5 KW, 10KW, 20 KW and 50 KW systems



A Sound Proofed System

Smaller enough to fit in a room



Ready to be taken anywhere

There have been significant recognitions ever since the successful trails have been made and now that it is a fully successfull, recognized, performance established, lots of awards have been bestowed and we are proud of the team at the Ground and our Technology Team GLOBAL ENERGY COLLABORATIONS'S TECHNO-MARKETING TIE-UP IS A RESULTS OF THAT A&R

Awards and Recognitions are our pride and honor:
President of India Award
State Recognitions Award
National Innovation Award
International Business Tie-Up

SYSTEM SPECIFICATIONS:

DETAILS	BIOGLO-5	BIOGLO-12	BIOGLO-24	BIOGLO-32	BIOGLO-40	BIOGLO-80	BIOGLO-100
Capacity(KW)	5	12	24	32	40	80	100
Biomass consumption (kg/hr)	8 - 9	17-20	30-33	40-43	50-55	100-110	120-130
Coal generated (%)	7 - 8	7-8	7-8	7-8	7-8	7-8	7-8
Calorific value of gas(Kcl/m^3)	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200
Gas Composition(%)							
Carbon monoxide(CO)	18-22	18-22	18-22	18-22	18-22	18-22	18-22
Hydrogen(H_2)	12-19	12-19	12-19	12-19	12-19	12-19	12-19
Methane(CH_4)	1 - 3	1-3	1-3	1-3	1-3	1-3	1-3
Carbon dioxide(CO_2)	11-15	11-15	11-15	11-15	11-15	11-15	11-15
Nitrogen(N_2)	45-49	45-49	45-49	45-49	45-49	45-49	45-49

CONTACT US FOR YOUR BIOMSASS GASIFIER NEEDS

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