



INDIA'S FIRST CBG FOR VEHICLES



The Fuel of the Future

www.agrogaz.in

An ISO 9001:2015 Company





Green Energy Clean Energy Renewable Energy

Green fuel for a clean environment

Driving the clean energy movement with
CBG - AgroGaz®

About Primove

Primove Engineering, based in Pune, is a solution provider in sustainable energy and a nationally recognised EPC Company in the domain of gaseous fuels and energy. At Primove, it has been our constant endeavour to create something that cleanses this environment and reduces carbon footprint.

AgroGaz® is the answer to our quest. A lot of organic waste if left untreated outside farms and fields, releases huge quantities of CO₂ and CH₄. Our think tank devised a patented method that utilizes the untapped potential i.e. the energy content in agro residue (straw & stalk left in the fields after harvesting the grain) to produce CBG. This invention of CBG has the potential to replace the LNG/CNG, commercial LPG and all transportation fuels which the country currently imports on a large scale.

Why Burn & Create Pollution



When There is a Solution

Their Smiles are Precious



An Additional Source of Income for Farmers

AgroGaz®- A Treasure-trove of Sustainable Energy

India is an agrarian country, making it the best place to get our raw materials - straw, stalk and vegetable residue. AgroGaz® is essentially a clean fuel (smokeless and odourless), easily manufactured, cost efficient and also packs a punch when it comes to providing sustainable livelihood!

How do we do that?

Under the Primove technology, biomass in compacted form can be transported and stored at site easily and CBG is produced in situ and can be dispensed there itself. AgroGaz® (2G CBG) plants can be set up anywhere regardless of its proximity to the agro residue, opening franchise opportunities to people from every section of the society, immaterial of their skills and education.



Biomass Convertible to AgroGaz®

Rice straw	✓
Wheat straw	✓
Cotton straw	✓
Maize straw	✓
Municipal Solid Waste (Organic)	✓
Soya thrash	✓
Sugarcane bagasse	✓
Sugarcane trash	✓
Tender coconut	✓
Coconut frond	✓
Sal DeOil Cake (DOC)	✓
Castor DeOil Cake (DOC)	✓
Press mud	✓
Napier grass	✓
Bamboo	✓
and many more..	✓

The Promise

The very nature of this fuel holds a promise where all kinds of CNG vehicles can run on AgroGaz®(2G CBG) without any loss of power, drivability, fuel efficiency and comfort.

The Benefits

- Carbon Neutral Cycle - Unlike fossil fuels CBG does not add carbon dioxide as net addition, thereby making it environmentally safe and clean
- Fuel Import Substitution - Domestic production of CBG will result in net import reduction of crude oil and natural gas.
- Empowerment of Farmers - The project ensures returns to the farmers for the agricultural residue, which is otherwise burnt without any value addition so far.
- Employment Possibilities - AgroGaz® projects will generate tremendous direct and indirect employment opportunities especially in rural areas.

Applications of AgroGaz®(2G CBG) as fuel

- Transportation fuel
- Industrial equipment firing
- Power Generation in the form of Combined Heat and Power (CHP) Applications
- Domestic and Commercial Cooking





Shri. Nitin Gadkari

Hon. Minister of Road Transport,
Highways and Shipping, Government of India

“Made solely from agricultural waste and that too for the first time in India, 'AgroGaz®' will definitely prove to be a pioneer in the field of fuel industry. After all conversion of waste into wealth is future of this country.

Diversification of Agro in power and fuel will change the life of farmers. Agriculture waste such as Rice Straw, Wheat Straw, Maize Straw, Soya Thrash, Napier grass is being wasted all the time by farmers as they don't have any option. On the other hand, huge money is being spent on import of the fuel, but if we initiate 5,000 such CBG plants across the country then fuel import cost of ₹Six Lakh Crore could be brought down to almost ₹three Lakh Crore.

Hence CBG, Bio Diesel, Ethanol are truly the future of this country and such projects should reach to every nook and corner of this country.”



Shri. Manohar Parrikar

Hon. Minister of Defence,
Government of India

“How to achieve energy security for the country is the real question. Primove Engineering has achieved success in breaking Cellulose Chain which is extraordinary task, I believe. Due to this, one can achieve CBG in more quantity and superior quality.

Country's whole agro residue can replace almost 50-60% fuel requirement of this country. More and more of such projects should be initiated across the whole country.”

CNG and LPG Installations

Primove is an approved installer recognised by Petroleum and Explosives Safety Organisation (PESO) for LPG storage and dispensing units as well as installation of CNG. Primove has been working with all national oil companies like Indian Oil, HPCL, GAIL as well as the city gas distribution companies like MNGL, MGL etc.

Wondering how to bring variables "biomass aggregation" and "CNG sales" under total control before you jump into CBG? Primove has solution for the same. Contact to know more about "PrimoveGas" - Launchpad for AgroGaz®.

Primove is an ISO 9001:2015 accredited company and has to its credit more than 200 installations of gaseous fuels.

Reticulated Systems (Apartment Piped Gas)

Primove offers services for design, supply, installation, and commissioning of reticulated systems for industrial and home use, along with after-sales support, service, training, and maintenance. The system is designed to supply through multiple pressure regulation stages, in order to reach user at a safe low pressure.



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This information has been approved by Primove Engineering for public dissemination.