

# COMPRESSED BIOGAS MARKET IN INDIA 2024

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## Trends, Projects and Outlook

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The uptake of compressed biogas (CBG), also known as bio-CNG, is gaining traction given the Indian government's aim to promote a gas-based economy and scale-up the country's biofuel industry. The segment will play a crucial role in reducing natural gas imports, greenhouse gas emissions and stubble burning apart from providing additional income to farmers, employment opportunities in rural and semi-urban areas and improving waste management as well. Various public oil and gas marketing companies and private energy players are announcing CBG projects. Several policies have been announced to give a fillip to the segment including financial assistance, blending obligations and others. Thus, there is a massive opportunity in this fast-growing area for bioenergy producers, oil and gas marketing companies, renewable energy companies, manufacturers and technology providers, as well as utilities. The report and dataset prepared will assist these players to better understand the nuances of the CBG market in India.

### 1. Summary and Key Insights

- Verbio's CBG Plant in Punjab

- LPG to CBG Transition for a Restaurant by Carbon Masters

### 2. Potential and Growth Drivers

- ❖ Introduction
- ❖ Global Overview
- ❖ Biomass Market Overview in India
- ❖ Potential in India
- ❖ Growth Drivers
- ❖ Potential for Employment Generation
- ❖ Key Benefits

### 3. Policy and Regulatory Developments

- ❖ National Bioenergy Programme
- ❖ SATAT Scheme
- ❖ Gobardhan Scheme
- ❖ CBG Blending and Obligations
- ❖ Financial Incentives
- ❖ Other incentives

### 4. Production and Supply Chain Management

- ❖ Feedstock Availability and Storage
- ❖ Production Technologies
- ❖ Supply, Logistics and Offtake of CBG
- ❖ Management of By-Products
  - Case Study of Praj Industries
  - Case Study of Carbon Masters
- ❖ Case Studies
  - EverEnviro's MSW-based CBG Project in Indore
  - IndianOil Adani Ventures Namakkal CBG Plant

### 5. Cost Considerations

- ❖ Capex and Opex of CBG Projects
- ❖ Feedstock Cost to CBG Producer
- ❖ Capex Comparison Based on Plant Size
- ❖ Pricing of CBG
- ❖ Key Drivers to Reduce Cost
- ❖ Financing Mechanisms and Incentives

### 6. Key Players and Business Models

- ❖ Leading Players in Bio-CNG Space
  - Developers
  - Technology Providers
  - Contractors
- ❖ Business Models

### 7. Project Pipeline and Outlook

- ❖ Project Pipeline
- ❖ Key Issues and Challenges
- ❖ Policy Suggestions and the Way Forward

*This report includes a dataset of commissioned, announced and under-implementation projects. Some parameters covered here include project developer, location, feedstock and project capacity, and input material.*

Price of the report : Rs 75,000 plus GST (Rs 88,500)

UPI QR Code:



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