COMPRESSED BIOGAS MARKET IN INDIA 2024

Trends, Projects and Outlook

New Research Report

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 marketing companies (OMCs) 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, OMCs, renewable energy companies, manufacturers and technology providers, as well as utilities.

1. **Summary and Key Insights**

2. **Potential and Growth Drivers**
   - ❖ Introduction
   - ❖ Global Overview
   - ❖ Biomass Market Overview in India
   - ❖ Potential in India
   - ❖ Growth Drivers
   - ❖ Key Benefits

3. **Policy and Regulatory Developments**
   - ❖ National Bioenergy Programme
   - ❖ SATAT Scheme
   - ❖ Gobardhan Scheme
   - ❖ CBG Blending and Obligations
   - ❖ Other Policy Interventions

4. **Production and Supply Chain Management**
   - ❖ Feedstock Availability and Storage
   - ❖ Production Technologies
   - ❖ Supply, Logistics and Offtake of CBG
   - ❖ Management of By-Products
   - ❖ Case Studies

5. **Cost Considerations**
   - ❖ Typical Cost Components
   - ❖ Recent Project Costs
   - ❖ Key Drivers to Reduce Cost
   - ❖ Financing Mechanisms and Incentives

6. **Key Players and Tie-Ups**
   - ❖ Leading Players in Bio-CNG Space
     - Developers
     - Technology Providers
     - Other players
   - ❖ Tie-Ups and Business Models

7. **Project Pipeline and Outlook**
   - ❖ Project Pipeline
   - ❖ Key Issues and Challenges
   - ❖ Policy Suggestions and the Way Forward

This report will have a comprehensive dataset with commissioned, announced and under-implementation projects. Some parameters covered here will include project developer, location, capacity, and status of the project.