

National Training Programme

On

Biogas Production, Power Generation and Compressed Biogas (CBG) Technology

11th to 13th March, 2025

11th & 12th March - Expert led training sessions at IITD

13th March - Exposure visit to a 6 TPD CBG plant

Sponsored by



Ministry of New and Renewable Energy
Govt. of India, New Delhi

Organised by



Biogas Development and Training Centre (BDTC)
Centre for Rural Development and Technology (CRDT)
Indian Institute of Technology Delhi (IITD)

Prof. V. K. Vijay, Coordinator

Prof. Pooja Ghosh, Co-coordinator

Prof. Priyanka Kaushal, Co-coordinator

Prof. Vivek Kumar, Co-coordinator

o Venue o

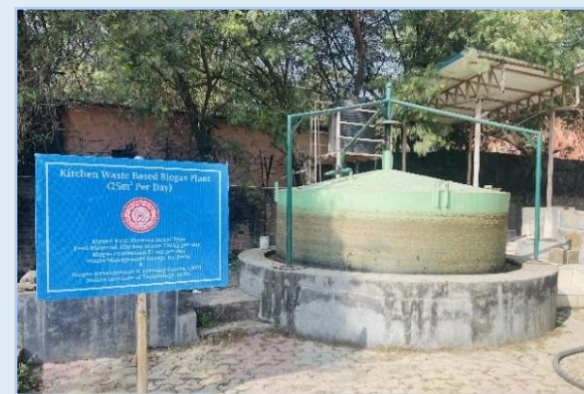
Senate Room, IIT Delhi
Hauz Khas, New Delhi, India-110016

Introduction

Energy plays a crucial role in the development of any nation. In India, biogas has emerged as a viable and sustainable fuel, well-suited to the country's physical and socio-economic conditions. However, the growing population and expansion of small-scale industries are placing increasing pressure on traditional energy sources, pushing them beyond sustainable limits. Amidst these challenges, compressed biogas (CBG) technology has gained significant attention for its numerous benefits. Despite being an ideal alternative energy resource, the adoption of CBG technology facing several obstacles. Key barriers include technical and informational gaps, and the lack of state-level call centres or service hubs. Addressing these challenges is essential for advancing CBG technology and its broader implementation.

Biogas Development and Training Centre, IITD

The BDTC at IITD is dedicated to R&D in various aspects of biogas technologies and their practical applications. At the IIT Delhi campus, a biogas enrichment and bottling facility with advanced design parameters has been successfully designed, fabricated, and implemented. The BDTC operates a 25 m³/day kitchen waste biogas plant, where the gas is enriched into compressed biogas (CBG) using IIT Delhi's patented Water Scrubbing Technology. This CBG is utilized to fuel a biogas car, which has approximately covered 1,40,000 kilometres over the past 12 years.



Kitchen waste based 25 m³ biogas plant at IITD



Biogas enrichment and bottling facility at IITD



CBG driven car, tractor & two-wheeler at IITD

Aim

This programme aims to provide comprehensive training to government functionaries, budding entrepreneurs, researchers, supervisors, and consultants on various aspects of biogas technology. It will cover the significance of CBG as a fuel and key topics such as biogas enrichment, bottling, and power generation. The program features two days of expert-led training sessions at IIT Delhi and a practical exposure visit to a 6 TPD CBG plant on the third day.

How to Apply

- To register, fill the registration form and send the scanned copy of the form & payment receipt to bdtciitd@gmail.com
- Registration can also be completed through the Google Doc form using the link provided. <https://forms.gle/N38HmQotNuNwZ4wn7>
- The deadline for registration is 21st February 2025.
- Preference will be given to those who are already associated and have field experience with biogas technologies.

Registration Fee

1. Officials of State Nodal Agencies in Biogas (Haryana, Uttar Pradesh, Delhi under BDTC IIT Delhi jurisdiction) - **Free**
2. Entrepreneurs, CBG personnel - **₹ 25, 000**
3. Academics, NGOs - **₹ 10, 000**
4. Students - **₹ 5, 000**

Interested participants are requested to pay the fee via online transfer (NEFT/RTGS/UPI) of the specified amount. The payment receipt should be sent to bdtciitd@gmail.com or uploaded through the Google Form if registration is completed via the Google form.

Payment Details (NEFT/RTGS/UPI):

Name of A/C: IITD (IRD) Delhi
Bank Account No. 10773572600
Name of Bank: State Bank of India, IIT Delhi
IFSC Code: SBIN0001077
MICR code: 110002156



Limited accommodations are available for participants on a first-come, first-served payment basis (at R&I park-IIT Delhi, ₹2,500 per day per person).

** Participants will be awarded a certificate after the successful completion of the training program.*

For any further information, contact:

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Name:.....

Gender: Male / Female

Profession:.....

Qualification:.....

Experience:.....

Corresponding Address:.....

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Phone/Mob No:.....

E-mail:

Payment Details (Reference No/UTR No):

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Registration Fee paid:

Accommodation Required: Yes/No

Date:

Signature.....