



# E-CONCLAVE

August 30 & 31, 2021

## Promotion of Biogas through SATAT and GOBARDHAN: Aspiration and Roadmap for Northeast INDIA

A Silver Jubilee event of the Department of Energy, Tezpur University, Assam

### INVITED DIGNITARIES



Shri Dinesh D Jagdale  
Joint Secretary,  
MNRE, Govt of India



Shri Jisnu Barua  
Chief Secretary,  
Govt of Assam



Dr Himanta Biswa Sarma  
Chief Minister, Assam



Prof V K Jain  
Vice Chancellor,  
Tezpur University



Mr. Bijay Kumar  
GM (Alternate Energy),  
Indian Oil Corporation Ltd

### SPEAKERS/RESOURCE PERSONS



Dr. A. R. Shukla  
Indian Biogas Association



Prof V K Vijay  
IIT Delhi



Dr Hoysala N Chanakya  
IISc Bangalore



Dr Dev Vrat Kamboj  
DRL, DRDO



Shri. V. Ramakrishnan  
VK - Nardep



Shri. G. Vasudeo  
VK- Nardep



Dr Soumya Chatterjee  
Defence Research Laboratory



Er. Akshay Asija  
BioCity



Er. Sunil Rajagopal  
Indian Oil Corporation Ltd



Er. Abhishek Handa  
Source Facility



Dr. R.S. Chikara  
Anarobic Energy Pvt Ltd



Mr Devendra Surve  
STAR Projects and Consultancy



Prof D C Baruah  
Tezpur University



Dr. Dipam Patowary  
State SLWM Specialist, SBM-G



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### TECHNICAL SESSION MODERATORS



Dr Mukul Chandra Bora  
Dibrugarh University Institute of  
Engineering and Technology



Dr Anil Sarma  
Sardar Swaran Singh National  
Institute of Bioenergy



Dr Pankaj Kalita  
School of Energy Sciences &  
Engineering, IIT Guwahati



Dr Nabin Sarmah  
Department of Energy, Tezpur  
University



Er. Manas Jyoti Barooah  
Agricultural Engineering, AAU



Dr Dr Vandit Vijay  
TU Delft, Netherlands



Dr Moonmoon Hiloidhari  
Nalanda University

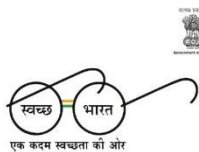


Dr Dipal Baruah  
GIMT, Tezpur



Dr Sampriti Kataki  
Cactus Communications

### COLLABORATORS



Link for Registration: <https://forms.gle/1wcCvEwJMNBDrx7r9>

YouTube live stream links

Day 1: [https://youtu.be/M77f\\_5W7mY8](https://youtu.be/M77f_5W7mY8)

Day 2: <https://youtu.be/rJKquwYwdsI>

Department of Energy, Tezpur University; <http://www.tezu.ernet.in/dener/>

Coordinator: D C Baruah, email: [baruahd@tezu.ac.in](mailto:baruahd@tezu.ac.in), WhatsApp: 9435508563

## **Programme Schedule**

**Day 1: 30 August, 2021**

### **Inaugural Session 11:00-11:45**

*Moderator: Dr. Nabin Sarmah, Asst Professor, Department of Energy, Tezpur University*

Programme begins with Tezpur University Anthem

Introductory note

Prof D C Baruah, Head, Department of Energy,  
Tezpur University

Welcome note

Prof V K Jain, Vice Chancellor, Tezpur University

Message from Chief Minister of Assam

Dr Himanta Biswa Sarma

Message from Chief Secretary, Govt. of Assam

Shri Jisnu Barua, IAS, Chief Secretary

Inaugural Address by Guest of Honour

Shri Dinesh Dayanand Jagdale, Joint Secretary,  
MNRE, GoI

Address by General Manager, IOCL, New Delhi

Mr. Bijay Kumar,  
General Manager (Alternate Energy)

### **Technical Session I (11:45-13:00)**

*Moderator: Dr Anil Sarma, Scientist E, Sardar Swaran Singh National Institute of Bio-Energy*

11:45 - 12:25 Status and policy related to Biogas development in India

Dr A. R. Shukla, President, Indian Biogas Association

12:25 - 13:00 Participants' interaction with experts/Resource persons

### **Break (13:00 to 14:00)**

### **Technical Session II (14:00-15:00)**

*Moderator: Dr Mukul Chandra Bora, Director, DUIET*

14:00 - 14:20 Commercialization of CBG: Concerns related to Quality and Standard

Prof V K Vijay, IIT Delhi

14:20 - 14:40 Biomass composition and biogas potential, ease of process and potential for value added byproducts

Dr Hoysal Chanakya, IISc, Bangalore  
Ravikumar D, IISc Bangalore

14:40 - 15:00 Participants' interaction with experts/Resource persons

### **Technical Session III (15:00-16:00)**

*Moderator: Dr Pankaj Kalita, Assistant Professor, School of Energy Sciences and Engineering, IIT Guwahati*

15:00 - 15:20 Bio-methanation technology - from Waste to Wealth

Shri V. Ramakrishnan, Director, Vivekananda Kendra - Nardep

15:20 - 15:40 Optimizing the bioconversion of feedstock under adverse climate through proper selection of bacteria

Dr Soumya Chatterjee, Head, Biodegradation Technology Division, DRL, DRDO

15:40 - 16:00 Panel discussion: Biogas Technology as a viable business model in NE India - Role of R&D Organisation

Chair: Dr Dev Vrat Kamboj, Director, Defence Research Laboratory, Tezpur

*Moderator: Er M J Barooah, Assam Agricultural University*

Panelist: V K Vijay, Hoysal Chanakya, V. Ramakrishnan, D C Baruah, S Chatterjee

## **Day 2: 31 August, 2021**

### **Technical Session IV (11:00-12:00)**

*Moderator: Dr Sampriti Katak, Scientific reviewer, Cactus communications*

- 11:00 - 11:20 Biogas - Nay - Biomanure Plant  
*Shri G. Vasudeo, Secretary, Vivekananda Kendra - Nardep*
- 11:20 - 11:40 Issues and Challenges of CBG production in Punjab, India  
*Er. A Handa, CEO, Source Facility, Chandigarh*
- 11:40 - 12:00 Boosting of commercial viability of Biogas: Analysis of Users' experience referring to Northeast India  
*Er. Akshay Asija, CEO, Biocity, Chandigarh*

### **Technical Session V (12:00-13:00)**

*Moderator: Dr Dipal Baruah, Principal, GIMT, Tezpur*

- 12:00 - 12:20 Sharing operational experiences of Sewage sludge based CBG systems  
*Dr. Chikara, Director, Anarobic Energy Pvt Ltd*
- 12:20 - 12:40 Critical considerations for bankable CBG projects  
*Mr Devendra Surve, Director, STAR Projects and Consultancy*
- 12:40 - 13:00 Participants interact with Speakers.  
Interaction moderated by *Dr. Vandit Vijay, TU Delft, Netherlands*

## **13:00 to 14:00 hours: Break**

### **Technical Session VI (14:00-15:30)**

*Moderator: Dr Moonmoon Hiloidhari, Faculty, Nalanda University*

- 14:00 - 14:45 Role of OMCs in Promoting SATAT: NE Indian perspective  
*Er. Sunil Rajagopal, Senior Manager  
Alternate Energy & Sustainable Development, Indian Oil Corporation Ltd*
- 14:45 - 15:00 Status and Challenges of Biogas through GOBARDHAN in NE India  
*Dr. Dipam Patowary, State SLWM Specialist  
Swachh Bharat Mission (Gramin), PHED, Govt of Assam*
- 15:00 - 15:15 Crop residue-based feedstock for biogas production:  
*R&D works on suitability and abundance in Assam  
D C Baruah, Energy Conservation Laboratory, Tezpur University*
- 15:15 - 15:30 Deliberation on Roadmap for Promotion of Biogas  
through SATAT and GOBARDHAN in Northeast India

### **Concluding Session (15:30-16:00)**

*Moderator: Dr Nabin Sarmah, Asst Professor, Department of Energy, Tezpur University*

- 15:30 - 15:55 Remarks/Feedback of participants
- 15:55 - 16:00 Concluding remarks and Vote of thanks