

## Indian Cryogenic Council - West Zone

One-day technical workshop on “Small-Scale Liquid Helium and Liquid Hydrogen Plants” at IIT Bombay on **October 11, 2025**.



**ICC  
1975-2025**

# WORKSHOP ON "SMALL-SCALE LIQUID HELIUM AND LIQUID HYDROGEN PLANTS"

**11 OCTOBER, 2025**

**10 AM - 5 PM**

**LC 102, Lecture Hall  
Complex, IIT Bombay**

**022-2576-7508  
DIPANSHU@IITB.AC.IN**

Organized by **INDIAN CRYOGENICS COUNCIL**  
West Zone as part of Golden Jubilee Celebration

**RUN  
DOWN**

**10 AM - 10:45 AM** **PROF. DIPANSHU BANSAL,  
IIT BOMBAY**

Basics of Helium liquefaction, and learnings from recent installation and commissioning of 56 lph plant at IIT Bombay

**10:45 AM - 11:50 PM** **LIQUID HE PLANT VISIT**

Site visit to Helium liquefaction plant at IIT Bombay and discussion on process parameters

**11:50 PM - 12:30 PM** **MR. A.K. GOUTHAM MUNIKOTI  
LINDE ENGINEERING INDIA**

Current technology and emerging trends in He and H<sub>2</sub> Liquefier

**12:30 PM - 1:00 PM** **FELICITATION FUNCTION**

**LUNCH BREAK**

**2:00 PM - 2:45 PM** **DR. MUKESH GOYAL, BARC**

Current status and success of indigenous efforts in He liquefiers, opportunities and challenges at BARC

**2:40 PM - 3:30 PM** **DR. A.K. SAHU, IPR AHMEDABAD**

Current status and success of indigenous efforts in He liquefiers, opportunities and challenges at IPR

**3:30 PM - 4:15 PM** **DR. K.V. SRINIVASAN  
TIFR, MUMBAI**

Operational and maintenance challenges in 15 year running of Helium liquefier

**4:15 PM - 5:00 PM** **OPEN DISCUSSION AND  
FUTURE DIRECTIONS**

The workshop focussed on liquefaction fundamentals, feature a tour of IIT Bombay's recently commissioned small-scale helium plant, and address installation, short- and long-term operational challenges, indigenous innovations, and emerging technologies.



Around **120** cryogenic professionals participated in an atmosphere of great expectation and enthusiasm. It has been a long time in ICC that such a workshop was organized and the response was overwhelming. This was also year of Golden Jubilee celebrations for ICC.

INOX INDIA LTD, CRYOGAS, SHELL – TUBE and Apollo Heat exchangers Ltd where the Industrial sponsors with their contribution to the expenses for the workshop. Arrangements for the display of company posters/catalogue was made at the venue

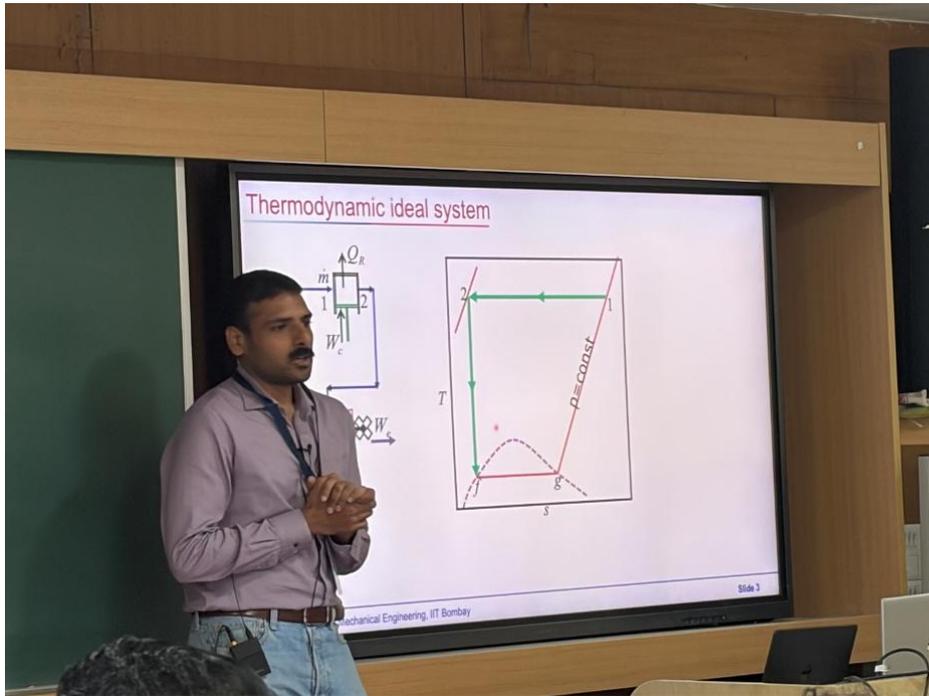
The Work shop was inaugurated by Prof Milind Atre , Dy. Director of IITB.

### **LIQUID HELIUM PLANT AT IITB**



## Speakers

**PROF Dipanshu Bansal-IIT Bombay**



**Mr A K Goutham Munikoti-LINDE ENGINEERING INDIA**



**Dr Mukesh Goyal-BARC**



**Dr A K Sahu-IPR**



**Dr A K Srinivasan-TIFR**



**Dr Bapat was felicitated for his immense contribution to Indian Cryogenics**



The program ended with a lively open discussion on future directions. Prof Atre invited one and all to get closely involved in development of Cryogenic sector.

