

For Immediate Release: December 12, 2022

## Press Release

**Experts lay stress on research for developing technically-environmentally and economically feasible technologies for capture and utilization of CO<sub>2</sub> during the two day International Conference on Net-Zero Emission Technologies For Sustainable Development at IIT (ISM).**

Faculties, students, researchers and industry professionals from across the country who congregated at IIT (ISM) Dhanbad today discussed ways of attaining Net-Zero Emission for sustainable development.

The gathering present at Golden Jubilee Lecture Theatre (GJLT) of IIT (ISM) to participate in the **Two –Day International Conference on Net Zero Emission Technologies for Sustainable Development: Challenges and Opportunities (NOET-2022)**, that included the senior executives of various industries, including from the Energy sector, stressed upon the need for innovation in technologies that decarbonize conventional resource use, while controlling fresh emissions of CO<sub>2</sub> into the atmosphere for achieving Net-Zero Emission.

Notably, Net-Zero refers to achieving a balance between the anthropogenic GHG Emission and its removal from the atmosphere. It also means cutting greenhouse gas emissions to as close to zero as possible.

The participants of conference, organized by Department of Chemical Engineering of IIT (ISM) with the support of Department of Scientific and Industrial Research that began today also deliberated on other relevant issues like, Clean Energy Innovation; Carbon Capture, Utilization & Storage (CCUS); Hydrogen Production, Storage and Utilization; Energy Storage System; Solar Energy System etc.

Speaking during the inaugural function as Chief Guest, Shri Manish Kumar Srivastava, Executive Director (Engineering), NTPC Ltd said, “We are on the brink of a global disaster and for this disaster we ourselves are to blame for”

“Today is the time that if do not act then definitely we are in the face of being extinct and the situation is so critical that we don’t have sufficient time” further said Srivastava.

“All of us have joined here for only one purpose and that to find the solution and technologies that would help us to mitigate the problems we are facing now and to give us a better place to live in” elaborated Srivastava and expressed hope that conference will help in this regard.

Shri Asit Das, Head, Refining R&D, Reliance Industries Ltd who was also present during the inaugural event as Guest of Honor along with Shri Bhaskar Sinha, Director PA R&D Innovation Lab, Schneider Electric said, “Carbon Dioxide Emission has emerged as global problem or rather a Gigatonne Problem as we are emitting Carbon in Gigatonnes and have emitted around 36.7 Gigatonnes of CO<sub>2</sub> during the last year”.



**भारतीयप्रौद्योगिकीसंस्थान (भारतीयखनिविद्यापीठ), धनबाद**  
**Indian Institute of Technology (Indian School of Mines), Dhanbad**

“In the last 150-200 years after the Industrial Revolution we have taken out the majority of the fossil fuel from the underground and burnt it leading the consequences like rise in global temperature up to 1 C” and it time to develop technically feasible, economically feasible and environmentally feasible technologies for capture and utilization of CO<sub>2</sub> in the liquid and solid form.

Rajni Singh

***Dean (Media & Branding)***