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PRESS-RELEASE

Experts discuss balancing sustainability and increase in energy consumption as per development requirements during the inaugural function of the Student Chapter of the International Association of Drilling Contractors (IADC) at IIT (ISM).

Experts from different parts of the country and abroad congregated here at the Golden Jubilee Lecture Theatre of IIT (ISM) for the inaugural function of the Student Chapter of the International Association of Drilling Contractors (IADC) today discussed a wide range of issues, including the balance between the increase in per capita energy consumption and Sustainable Development Goals (SDG), etc., and also learned about the history and activities of the IADC.

The function, which was inaugurated by Mr. O.P. Singh, Director, Technology and Field Services ONGC; Mr. Lars Nydahl Jørgensen, Regional Director, IADC, Denmark; Mr. Niladri Mitra, Chief Advisor, McDermott International Ltd; Mr. Arul Karle, President, Askara Group; and Prof. Sukumar Mishra, Director of IIT ISM, also witnessed a discussion on sustainability and energy consumption.

Speaking during the occasion, Prof. Sukumar Mishra, Director, IIT (ISM), said, "Per capita energy consumption is one of the key indicators for development. As we increase our activities as per development requirements, the per capita energy consumption is bound to increase, but we have to do it in a sustainable manner so that it doesn't impact our next generation."

"To achieve that, there are many SDG Goals defined by the UN, and out of these goals we are following many goals because we have also gone of the Paris Agreement" further said Prof. Mishra and added to the SDG Goals, energy is one of the most important factors, and the challenge lies in migrating from conventional energy, which creates CO₂, to some other energy, which does not generate CO₂.

"Though migration to a new source appears very easy busy linguistically, in reality it is difficult, and I am happy that many of these issues have been taken care of by this congregation, including the buzzword Hydrogen" said the IIT (ISM) Director.

"The most important factor in the energy sector lies in the location of source and consumer, and if both are located at the same place or near, around 99% of the of the problem will be solved, but in the Indian context we have to look at factors like population density, which is much higher than US or any other European countries, and thus we can't provide energy to more than 20–30% of the population" further said Prof. Mishra, adding that option lies with transport of energy, for which limited options like electrically, mechanically, or some other source need to be found out.

"The means of newer modes of transport need to be found out by research," said Prof. Mishra. She questioned the gathering: Can we find the quantum method of energy transport?

Mr. Lars Jørgensen (Regional Director, IADC, and Denmark) during his address described that IADC, which is a trade organization for the worldwide drilling industry, has 800 companies and around 80% if all oil wells on shore and off shore are drilled by IADC member companies. Mr. O.P. Singh, Director Technology and Field Services, ONGC; Mr. Niladri Mitra, Chief Advisor, McDermott International Ltd.; and Mr. Arul Karle, President, Askara Group, also expressed their views during the inaugural function. Prof. Keka Ojha, HoD, Department of Petroleum Engineering, while delivering the welcome address, described the challenges lying with the oil sector.

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