

## Inauguration of Centre of Excellence in Green Hydrogen & Seminar on Opportunities for MSMEs in New Hydrogen Policy

The Environment Committee of PHD Chamber organized the inauguration of PHDCCI's Centre of Excellence in Green Hydrogen (CoE-GH) and a one-day Seminar on Opportunities for MSMEs in New Hydrogen Policy on May 2<sup>nd</sup> at Hotel Le Meridien, New Delhi in association with Indo-German Energy Forum (IGEF), Steinbeis Foundation India, and Steinbeis New Energy Centre.



The Centre was inaugurated by the Chief Guest and honorable scientist Dr. V K Saraswat, Member, NITI Aayog. His enriching presentation gave a vivid and comprehensive status of green Hydrogen developments in India, National Green Hydrogen Mission, Hydrogen Valleys, and a roadmap for our country ahead in Green Hydrogen. He emphasized the importance of becoming self-reliant in energy and focusing on Blue Hydrogen while developing technology for Green Hydrogen. He listed various ways the industry can put effort to reduce the cost of Hydrogen to \$1 / kg. He mentioned that India should amend the definition of Hydrogen Valleys in an indigenous way. He also felicitated five eminent personalities from different organizations with the 'Green Energy and Environment Awards' constituted by the Chamber for their significant contribution and efforts to energy and the environment in our country. The awardees are

- **Dr. J P Gupta**, Managing Director, Greenstat India and Chair, Environment Committee
- **Dr. N Kalaiselvi**, Director General, CSIR
- **Dr. Prashant Gargava**, Member Secretary, Central Pollution Control Board
- **Dr. J S Sharma**, President, Indian Association for Air Pollution Control and Co-chair, Environment Committee
- **Network18's Green Ribbon Champions Initiative**



In the inaugural session, Mr. Saket Dalmia, President, PHDCCI, spoke about the significant role and opportunities for MSMEs in the green Hydrogen industry as it is becoming a reality. He mentioned that there are more than three to four thousand components that will eventually go into the production, transportation, and storage of Green Hydrogen as it becomes a part and parcel of daily lives to fulfill the energy needs in the near future and MSMEs should utilize this enormous potential for business. Dr. Ranjeet Mehta, DSG, briefed the delegates about the activities and the contribution of the Chamber. Dr. J P Gupta, Chair, Environment Committee presented the vision behind and the activities of the Centre of Excellence in Green Hydrogen.





He stated that the Centre of Excellence – Green Hydrogen (CoE-GH) for the MSME sector at PHD House is to facilitate industries to get acquainted with the best International standards & practices to handle Green Hydrogen. Also, this Centre will provide information on setting up of Green Hydrogen facilities in the entire value chain. The Centre’s major emphasis will be on the training and capacity building to handle Green Energy. There will be special courses for the Directors, Senior Executives, Middle Levels, Operators, etc. Also, there will be a tie-up of the Centre of Excellence with the Universities to impart training to the students in Green Energy.

In the inaugural session of the seminar, the Guest of Honour, Mr. Alok Sharma, Executive Director, Centre for High Technology, MoPNG addressed the audience and spoke about the need for Industry-academia partnership and R&D for the acceleration of green Hydrogen developments in India. Distinguished speakers from policy institutions Mr. Jagabanta Ningthoujam, Principal, RMI India and Mr. Anuraag Nallapaneni, ManagerHydrogen, WRI India apprised the delegates about the Green Hydrogen ecosystem in India, Green Hydrogen financing, risks, and operating models for Hydrogen project development.

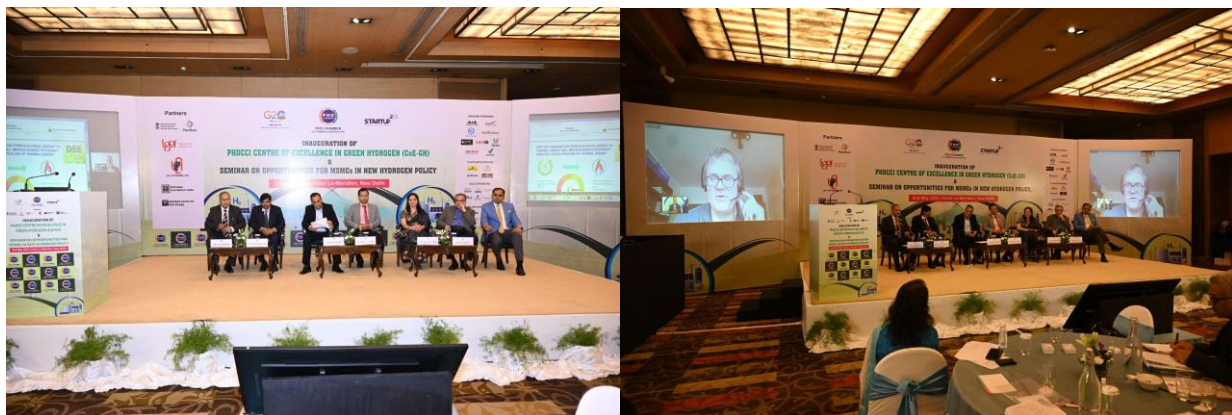


Eminent speakers from various organizations, and companies from India and Germany covered different topics and perspectives on green Hydrogen and opportunities for Industries in the two technical sessions that followed it. In the first technical session, Mr. Jayakrishnan P. Nair, Associate Director – Clean Energy, PwC presented his study on pathways for decarbonizing industries. Mr. Rahul Kulshreshta, Lead International, Office of Principal Scientific Adviser to

Government of India introduced the Manthan platform and its benefits to the delegates. Prof. Dr. Chitra Rajagopal, Centre of Excellence, IIT Delhi took a session on the importance of Hydrogen safety and practices. Mr. Dhruva Mukhoti, Consultant, Steinbeis Centre for New Energy covered Green Hydrogen applications and opportunities for Industries. Ms. Rimali Batra, Associate partner, DSK Legal shared her views on Green Hydrogen policies and the challenges associated with it.



In the second technical session, Dr. G Ravichandran, Vice President (R&D), Reliance Industries Ltd, very well spoke about Hydrogen transition relevance to India, Technology Readiness level and comparison of technologies and the efforts by Reliance in the Hydrogen sector. Mr. Abhinav Arora, Vice President - Business Development, HAL Offshore. Ltd. sponsor for the event stressed on the implementation of Hydrogen projects and the role of EPC companies. Dr. Indrajit Shown, Consultant, Steinbeis India presented on current electrolyser market and research. Ms. Jyotsna Chaturvedi, Head – Corporate practice, Maheswari & Co and Mr. Akhand, Advocate, Maheswari & Co made an informative session on regulatory compliances for commissioning of Hydrogen projects. Dr. Bertram Lohmueller, Director, Steinbeis GmbH and Dr. Michael Schlick, Advisor, Green Hydrogen, Steinbeis India spoke about Green Hydrogen markets and technology globally focusing more on Germany.



Co-chairs of the Environment Committee of PHDCCI moderated these sessions. Participants from ministries, government bodies, industry, academia, MSMEs, policy and research institutions, and various other stakeholders in the green Hydrogen sector attended the event.



