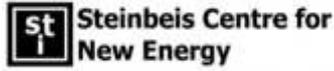


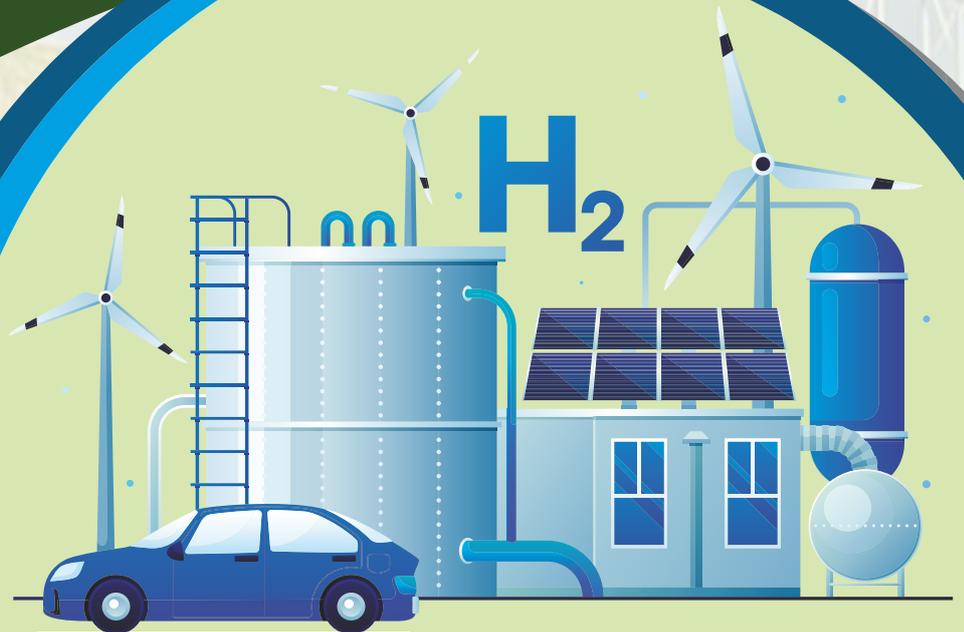


PHD CHAMBER  
OF COMMERCE AND INDUSTRY



# OPPORTUNITIES FOR MSMEs IN NEW HYDROGEN POLICY

May 2, 2023 | 10:00 am - 4:00 pm  
Le Meridien, Windsor Place Janpath, New Delhi



Centre of Excellence in Green Hydrogen (CoE-GH)

PHD Chamber of Commerce and Industry, PHD House, 4/2, Siri Institutional Area, August Kranti Marg, New Delhi-110016

## About the workshop

The Centre of Excellence in Green Hydrogen (CoE-GH), an initiative of PHD Chamber of Commerce and Industry is organizing a one-day event on Opportunities for MSMEs in New Hydrogen Policy along with our partners. This workshop is led by experts from India and Germany and it is helpful for MSMEs and the other stakeholders in the energy ecosystem to build their understanding of the green Hydrogen sector, its technicalities, supply and demand, potential opportunities, and the developments in India and around the world. Also, it provides a networking platform to form partnerships with other players in the green Hydrogen value chain in India and Germany to pave their own way as pioneers and contribute to green growth and sustainability in attaining India's climate and renewable energy targets.



## Significance

Green Hydrogen and Green Ammonia are envisaged to be the future of fuels to progressively replace fossil fuels in the years to come in the energy mix and to reduce emissions. In order to launch India into the green Hydrogen spectrum and make India a global hub for Green Hydrogen and its derivatives, the government of India has constituted a National Green Hydrogen Mission. The Mission was allocated an initial outlay of Rs. 19,744 crore in two phases from 2023 - 2030. In addition, the government has allocated Rs 35,000 crore for priority capital investments in the energy transition. Under the Strategic Interventions for Green Hydrogen Transition Programme (SIGHT), the Mission will provide two distinct financial incentive mechanisms for the domestic production of electrolyzers and green Hydrogen. Also, the Mission intends to support pilot projects and R&D in emerging end-use industries and production routes.

This presents an excellent opportunity for startups, MSMEs, Research and educational institutions, and cooperates in oil and gas, steel, fertilizers, chemicals, and renewable energy sectors to be part of India's green energy transition and initiate Green Hydrogen projects and integrate green Hydrogen in their studies, research and operations. The workshop will provide a comprehensive view of India's National Green Hydrogen Mission, policies, electrolyzers, for green Hydrogen production, and the recent developments in India and globally, that lead to potential opportunities for Indian industries in the Green Hydrogen sector from experts in India and Germany.

## Topics

- ◆ National Green Hydrogen Mission
- ◆ Green Hydrogen Policies
- ◆ Hydrogen Valley Platform
- ◆ Applications and Opportunities for industries
- ◆ Funding options in the Green Hydrogen sector
- ◆ Supply and Demand of Hydrogen
- ◆ Electrolyser Manufacturing and Current Market
- ◆ Global Hydrogen Market
- ◆ Hydrogen Clusters
- ◆ Decarbonisation of Indian industries
- ◆ Industry - Academia partnership

## Chief Guest



**Dr. V K Saraswat**  
Member  
NITI Aayog  
Government of India

## Guest of Honour



**Mr. Alok Sharma**  
Executive Director, Centre for High Technology  
Ministry of Petroleum and Natural Gas  
Government of India

## SPEAKERS



**Mr. Jayakrishnan P Nair**  
Associate Director  
PwC



**Mr. Manoj Kumar Upadhyay**  
Deputy Adviser  
NITI Aayog  
Government of India



**Ms. Rimali Batra**  
Associate Partner  
DSK Legal



**Dr. Debasish Roy**  
Director  
Steinbeis Centre for New Energy



**Dr. Indrajit Shown**  
Consultant  
Steinbeis India



**Dr. Bertram Lohmueller**  
Director, Steinbeis GmbH  
Professor, Steinbeis University



**Dr. Michael Schlick**  
Professor, Technische Hochschule Ulm  
Advisor, Steinbeis India

## Centre of Excellence in Green Hydrogen

Centre of Excellence in Green Hydrogen (CoE-GH) is an initiative of PHD Chamber of Commerce and Industry with a vision to support the Micro, Small, and Medium Enterprises (MSMEs) through capacity-building programs, providing technology support and creating commercial opportunities for them in the entire Hydrogen Value Chain through networking, collaborations, and events. The centre also focuses on green Hydrogen and its related awareness programs, research, skill development of the workforce, policy advocacy, consultancy, technology transfer, and certification services.

## Steinbeis Foundation India

Steinbeis India under Steinbeis Foundation India is a Network Technology Centre of Steinbeis GmbH & Co. KG für Technologietransfer, Stuttgart Germany since the year 2010. The Headquarters of Steinbeis India is based in Hyderabad, Telangana and it has been providing technology, innovation, and training services for the last 12 years is a testament to its success in the Indian market. Steinbeis India provides its services in the areas of in the areas Renewable Energy, Solar PV, BESS, Hybrid Power Plants, Green Hydrogen, Manufacturing, Digital Transformation, IoT, Entrepreneurship, Industry 4.0, Cybersecurity, Artificial Intelligence, Data Science, etc. The organization is well-positioned to provide support and guidance to a diverse range of clients, from small startups to large corporations. It is managed by Technopreneurs with extensive experience in handling technology transfer, commercialization, certifications, training, research reports, international business etc.

## Indo-German Energy Forum

To enhance and deepen the strategic political dialogue about the ongoing energy transition in both countries, the German Chancellor and the Indian Prime Minister established the Indo-German Energy Forum (IGEF) in April 2006. Strategic cooperation projects between the German and the Indian government, research institutions, and the private sector are the major objectives of the IGEF. The focus areas of this high-level bilateral forum are energy efficiency, renewable energy, energy security, investment in energy projects as well as collaborative research and development, taking into account environmental and social challenges of sustainable development.

## Steinbeis Centre for New Energy

Steinbeis Centre for New Energy is based out in Mumbai, Maharashtra. The Centre plays an important role in promoting new energy technologies in India, particularly in the areas of green hydrogen and concentrated solar power for process heat. The fact that the Centre has a strong team of consultants with both industrial and academic experience should be a valuable asset in terms of providing expertise and guidance to those looking to adopt these technologies. The Centre has conducted various capacity-building workshops on the Technology and Economics of Green Hydrogen for Government Nodal agencies, and Green Hydrogen Manufacturing Corporates. It has also established Indo-German Centre for Hydrogen Energy Research (IGCHER) at Hindustan Institute of Technology & Science, Chennai to provide training opportunities in this field. This should help to build a skilled workforce that can drive the adoption of these technologies in India and contribute to the country's transition towards a more sustainable energy future.



## PHD CHAMBER OF COMMERCE AND INDUSTRY

### About Us

PHD Chamber of Commerce and Industry (PHDCCI) has been working as a catalyst for the promotion of Indian industry, trade and entrepreneurship for the past 118 years. It is a forward looking, proactive and dynamic PAN-India apex organization. As a partner in progress with industry and government, PHDCCI works at the grass roots level with strong national and international linkages for propelling progress, harmony and integrated development of the Indian economy.

PHDCCI, acting as the "Voice of Industry & Trade" with a large membership base of 1,50,000 direct and indirect members consisting of large, medium and small industries, has forged ahead leveraging its legacy with the industry knowledge across multiple sectors to take Indian Economy to the next level.

At the global level, we have been working with the Embassies and High Commissions in India and overseas to bring in the International Best Practices and Business Opportunities.

### PHD Chamber has special focus on the following thrust areas:

- Economic & Business Policy Advocacy
- Industry
- Infrastructure
- Housing
- Health
- Education & Skill Development
- Agriculture & Agri-business
- ICT
- International Trade
- Defence & HLS
- Banking, Financial Services and Insurance

### Participants

Any Cooperates, MSMEs, Ministries, Institutions, professionals,  
And students who are interested in the green Hydrogen sector.

Prior registration is mandatory to make the necessary arrangements.

[Register here](#)



### Participant fees

**Rs. 2000 + GST per delegate**  
10% off as an early bird discount upto April 16th  
For students, 50% off

**For more details, please contact**

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