



## A webinar on “Hydrogen Energy: Overview and Production Processes”

**Date: 16<sup>th</sup> February, 2022**

**Time: 10.30 am – 1:00 pm**



**Hydrogen Energy Division  
National Institute of Solar Energy  
Gwal Pahari, Gurugram- Faridabad Road,  
Gurugram , Haryana - 122003**

## **Background:**

Hydrogen is considered as the second most important form of energy carrier next to electricity. It is most abundant element on the earth and can be found in water, organic compounds and hydrides. The hydrogen based energy eco-system, commonly known as “Hydrogen Economy” has three main components i.e. hydrogen production, storage and utilisation.

Hydrogen can be produced from a variety of feedstocks. These include fossil resources, such as natural gas, oil and coal, as well as renewable resources. Green hydrogen can be produced by water splitting through electrolysis using electricity generated by renewable energy sources or from biomass.

In this webinar, overview on hydrogen energy will be discussed along with the hydrogen production processes. At the end, brief details of hydrogen production, storage and dispensing facility available at NISE will be discussed.

## **Agenda of the webinar:**

**Date: 16/02/2022; Time: 10:30 am – 1:00 pm**

<b>Time</b>	<b>Details</b>	<b>Speaker</b>
10:30 – 10:40	Welcome Note	-
10:40 – 11:45	Overview of Hydrogen Energy	Dr. MR Nouni, Sr. Consultant, NISE
11:45 – 12:30	Hydrogen Production Processes	Dr. Joydev Manna, Sr. Scientist, NISE
12.30 – 12:45	Hydrogen Production, Storage & Dispensing facility at NISE	Sh. Prakash Jha, Scientist/ Engineer, NISE
12:45 – 12:55	Q&A	-
12:55 – 13:00	Vote of thanks	Dr. MR Nouni, Sr. Consultant, NISE