



National Productivity Council

Training Programme on

**“Evolution of Green Hydrogen
– A Revolution in Clean Energy Focusing on Conservation”**

PROGRAMME CODE: T2526CHN03

**28th - 30th January 2026
(AIP-NPC-Chennai)**



1. INTRODUCTION

Power and Energy are two essential inputs for economic development and improving the quality of life in India. Heading towards the search for sustainable and clean energy sources, India has set its sight on becoming energy independent by 2047 and achieving Net Zero by 2070. To achieve this target, India's Energy Transition requires an increase in renewable energy use across all economic sectors.

Green Hydrogen is considered a promising alternative for enabling this transition. Green Hydrogen is an innovative concept that holds the potential to revolutionize clean energy. It is a key enabler in decarbonizing industries, transportation, and power generation, emerging as a breakthrough fuel, offering zero emissions, high efficiency and rapid refuelling.

On 4th January 2022, the National Green Hydrogen Mission was approved by the Union Cabinet, with an aim of making India a hub for the production and export of green hydrogen. India is at a crucial juncture in terms of its energy landscape and green hydrogen has a critical role to play to make the nation self-reliant and energy-independent.

With this backdrop, National Productivity Council, Chennai has designed a 3-day training program on “Evolution of Green Hydrogen – A Revolution in Clean Energy Focusing on Conservation” to impart technical knowledge and skills with a focus on the integration of renewable energy sources and reducing the dependence on fossil fuels for hydrogen production.

2. ABOUT NPC

National Productivity Council (NPC), an autonomous organization established in the year 1958, under the Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Government of India, is a pioneering institution providing consultancy, training and audit services in various disciplines to promote productivity culture in the country.

Dr. Ambedkar Institute of Productivity (AIP), a training wing of NPC is engaged in training Consultants for in-house needs and Executives from Industry, Government, PSU's and Private Organizations on a sponsored or self- financing basis. Further AIP, NPC, Chennai is the Nodal Agency for organizing and conducting the National Certification Examination for Energy Managers and Energy Auditors on behalf of the Bureau of Energy Efficiency, whereby about 20,000 Certified Energy Auditors/Managers serve the Indian economy today.

NPC has set up the Centre of Excellence for Training in Energy Efficiency Training (CETEE) at AIP, Ambattur, Chennai. The CETEE facility is the culmination of Indo-Japanese Governmental cooperation and has been implemented with the help of Bureau of Energy Efficiency (BEE), Government of India, and New Energy Development Organization (NEDO) and Sumikin Management Company, an associate of Sumitomo Steels, Japan.

CETEE is equipped with various industrial energy utility equipment designed to demonstrate practically, various aspects of energy efficiency practices and conservation techniques as applicable in industries and installed with renewable energy applications. CETEE has been providing world class training to public sector companies (ONGC, IOCL, GAIL, PCRA, BHEL, IRIEEN, Power Grid etc.), corporate companies in private sector as well as international organizations (UNEP, APO, UNIDO, GIZ, ITEC, WRI, WWF) since its inception.

3. LEARNING OBJECTIVES

The main objective of this training programme is:

- To train the participants on advanced concepts and technology in emerging field of clean energy applicable to industries.
- To serve as a capacity building for budding engineers interested in the area of green hydrogen
- To provide the participants with practical knowledge and skills needed to focus on energy conservation addressing various issues of concern.
- To explore the safety protocols, risk management, and regulatory frameworks associated with handling hydrogen
- To empower industry professionals with key-take aways & actionable knowledge of green hydrogen, clean energy technologies, and practical energy conservation strategies that can be implemented in industrial settings.

4. PROGRAMME COVERAGE

The key topics to be covered in Green Hydrogen training program are:

1. Green Hydrogen - Concept, Target and Approach
2. Hydrogen Production / Generation – Methodology & Technology
3. Hydrogen Storage, Transportation and Distribution Solutions
4. Hydrogen in Industrial Applications
5. Hydrogen Production to Distribution: Safety Protocols and Risk Management
6. Hydrogen Economy and Where do we stand?
 - International and National Projects and Implementation – Global and Indian Context
7. Renewable Energy and Clean Energy Integration
8. Industrial Evolution 4.0 and beyond
9. Sustainable March with Energy Conservation Methodologies
10. Government Policy and Regulations for Clean Hydrogen

5. METHODOLOGY

Lectures and class room training with power point presentations followed by case studies or exercises and discussions.

6. PARTICIPANTS' PROFILE

This workshop is intended for engineers and technologists from industrial sectors, all those who are working in energy and renewable energy field from Central / State Government Departments, Academic Institutions, Public / Private Sectors, and who are aspiring to learn on clean energy technology and clean transportation in the area of green hydrogen.

This course will also benefit individuals working in fertiliser units and refineries, automotive sector, steel, cement and chemical industries.

7. FACULTY

Senior NPC Consultants and Industrial Experts who are possessing extensive experience and expertise in the field of renewable energy and energy management and conservation.

8. PROGRAMME FEE & VENUE

Programme Code	T2526CHN03	
Program Venue	Centre of Excellence for Training in Energy Efficiency, National Productivity Council, Dr. Ambedkar Institute of Productivity, Chennai.	
Programme Fee	Residential Participants: (NPC Campus) ₹ 20,000 /- + 18% GST	Non-Residential Participants: ₹ 13,000 /- + 18% GST
Check In & Out	From 27 th January night to 30 th January 2025 night for Residential participants	

9. PAYMENT DETAILS

Programme fee inclusive of GST to be paid in advance and proof of payment to be attached along with application form.
Account Name: National Productivity Council Bank Name: State Bank of India Branch: 1324-F, East Avenue, Korattur, Chennai-80. Nature of Account: Savings IFSC Code: SBIN0017247 Bank A/c No.: 39783959115 MICR: 600002266 / Pan: AAATN0402F / GSTIN: 33AAATN0402F1ZD (Please mention "EM/H ₂ -AIP2026" in NEFT remarks column)

As per GOI notification No. 9/2017-Integrated Tax (Rate) dated 28.06.17, Sr. No. 75, Heading 9992 (at page no. 19 of the notification) No GST is applicable where Services provided to the Central Government, State Government, UT Administration under any training programme for which total expenditure is borne by the Central Government, State Government, UT Administration.

10. HOW TO APPLY



- Please apply in prescribed application format enclosed with this brochure. Nominations may be sent to the following address and email-ids.

The Director & Head,
National Productivity Council,
(Under DPIIT, Ministry of Commerce and Industry, GoI)
Dr. Ambedkar Institute of Productivity,
6, Aavin Dairy Road, Ambattur Industrial Estate (North),
Chennai - 600 050. Tamil Nadu. Phone: +91 7200208675
Visit us at <http://www.npcindia.gov.in> Tel: 011-24607321 / 011-24607335

(The scan or photo copy of the application form and payment details may be sent to the email-ids: chennai@npcindia.gov.in by marking a copy to p.chitra@npcindia.gov.in)

- Last date for Receiving of nominations: **19.01.2026**



NATIONAL PRODUCTIVITY COUNCIL
5-6 Institutional Area, Lodhi Road, New Delhi – 110 003.

APPLICATION FORM FOR NOMINATIONS

Title of Programme: **“Evolution of Green Hydrogen – A Revolution in Clean Energy Focusing on Conservation”**

Programme Code: **T2526CHN03**

Programme Duration: **28th – 30th January 2026**

Venue/ Location: **CETEE, AIP, NPC, Chennai**

Select Participation on Residential Basis

OR Non-Residential Basis

Details of Nominated Participants:

S.No.	Name of Delegate	Designation	Mobile No.	Email ID	Participant Organisation Address (kindly provide full address of correspondence)
1					
2					
3					
4					
5					

Details of Nominating Authority:

S. No	Name of Nominating Authority	Designation	Mobile No.	Email ID	Nominating Authority Organization Address (kindly provide full address of correspondence)
1					

Select, if Organization is GST Exempted OR Select, if Organization is Not GST Exempted

SELF DECLARATION ON GST EXEMPTION (OPTIONAL)

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- I/We hereby declare that we meet all the conditions stipulated in the aforementioned GST notifications and qualify for exemption from GST payment for the training program mentioned above.
- I/We acknowledge that any breaches or non-compliance with the specified conditions may result in the collection of GST, interest, and penalty amounts by NPC on behalf of the GST department at a later stage whenever the GST department raises the same to NPC.
- I/We also declare that it is the responsibility of the participant organization to verify their eligibility to avail the benefit, and NPC is not responsible for checking the eligibility. *I certify that the above information is correct

Signature: _____ Date: _____ and Place: _____

For Organisation who are Not Exempted and having GST registration GST No. (Mandatory) _____

(Kindly provide the GST number of organisation on which GST Invoice to be raised)

Organisation PAN No. (Optional) _____

Organisation TAN No. (Mandatory on TDS deduction)) _____

DECLARATION

*I certify that the above information is correct

Signature: _____ Date: _____ and Place: _____

11. GENERAL INSTRUCTIONS

- ❖ It is recommended to send the nominations as per attached format at the earliest. Acceptance of the nominations is subject to the seat availability and receipt of programme fee latest by the last date for nominations.
- ❖ The Residential programme fee covers the professional fees towards training, board & lodge of the Participant(s). The fee once deposited is non-refundable, however, substitutions are allowed.
- ❖ Each participant should carry their ID cards and necessary letters / orders issued by their department for attending the training program.
- ❖ The Non-Residential programme fee covers the professional fee towards training, lunch and refreshments during the training program. The fee once deposited is non-refundable, however, substitutions are allowed.
- ❖ NPC shall not bear any charges towards participants' to & fro travel from their residence / place of stay and the training program venue. All participants shall make their own arrangement to reach the venue on time as per the programme schedule.
- ❖ Participants are requested to assure their health and safety during the training period and NPC will not be liable for medical expenses incurred by the participants during the program.
- ❖ NPC will not provide boarding and lodging before and after the dates of programme. Participants planning to stay longer than the scheduled duration should arrange the same at their own cost.
- ❖ Participants may directly settle their additional dues regarding family member, laundry, telephone, mini bar, room service, overstay etc. before checkout.
- ❖ The participants shall be awarded Certificate of Participation on successful completion of programme.
- ❖ Any other terms and conditions apply as may be notified by NPC at any point of time.
- ❖ Referring to GST guidelines, you are requested to confirm the applicability of GST payment for your department.
- ❖ Participants are required to follow the necessary COVID protocols during training.