

GREEN HYDROGEN IN INDIA 2023

Policies, Projects, and Outlook

Table of Contents

Release Date: June 30, 2023 | No. of slides: 104

Green hydrogen is emerging as a promising market in India with avid interest from both the public and private sectors. The recent months have witnessed a series of project announcements by oil and gas majors, large power companies, and renewable energy developers. Meanwhile, various plans have been announced to set up manufacturing facilities for electrolyzers as well. The government approved the National Green Hydrogen Mission in January 2023, with a target of 5 MMT annual green hydrogen production by 2030. This has further boosted growth and strengthened industry confidence in the sector. Thus, there is a massive opportunity in this fast-growing area for power producers, oil and gas companies, manufacturers and technology providers, automobile companies as well as utilities.

This report will cover:

- Market ecosystem and growth trends
- Policy and regulatory landscape
- Plans of public and private sector companies
- Key tenders and project pipeline
- Cost economics and emerging financing trends
- Outlook and projections for green hydrogen

Summary and Key Insights

1. Market Size and Growth Drivers

- ❖ Market Overview
- ❖ Hydrogen Demand and Supply Outlook
- ❖ Growth Potential
- ❖ Key Trends
- ❖ Key Areas of Application
- ❖ Potential Business Models
- ❖ Key Growth Drivers

2. Policy and Regulatory Developments and Outlook

- ❖ Green Hydrogen Policy
- ❖ National Green Hydrogen Mission
- ❖ Incentive Scheme for Electrolyser Manufacturing
- ❖ Incentive Scheme for Green Hydrogen Production
- ❖ ISTS Waiver for Green Hydrogen Projects
- ❖ Other Central Level Policy Initiatives
- ❖ State Level Policies and Initiatives
- ❖ Key Alliances and Collaborations
- ❖ Issues and Concerns
- ❖ Policy and Regulatory Outlook

3. Major Players

- ❖ Plans of Key Players
 - Renewable Energy Developers
 - Oil and Gas Companies
 - Automobile Companies
 - Industries
- ❖ Recent Tenders

4. Projects and Case Studies

This chapter will present 6 case studies of operational green hydrogen projects in India

5. Technology Trends

- ❖ Current Hydrogen Manufacturing Capacity
- ❖ Domestic Manufacturing Plans and Upcoming Projects
- ❖ Types of Electrolyzers
- ❖ Focus on Fuel Cells
- ❖ Storage and Transportation
- ❖ Applicable Standards

6. Cost of Production and Investments

- ❖ Cost of Green Hydrogen Production
- ❖ Key Factors Impacting Cost
- ❖ Emerging Financing Options
- ❖ Cost and Investment Outlook

7. Future Outlook and Projections (Till 2070)

- ❖ Capacity Based on Project Pipeline
- ❖ Capacity Outlook
- ❖ Required Renewable Energy Capacity
- ❖ Key Issues and Challenges

8. Industry Insights

This will feature perspective of 11 leading developers and policy makers.

This report will have a comprehensive green hydrogen project dataset with announced and under-implementation projects. Some parameters covered here will include project developer, location, capacity, application, and status of the project.

I would like to purchase the “Green Hydrogen in India 2023” report:

Format (PDF)	Price of the report
Site Licence (Single Location)	Rs 80,000
GST @ 18%	Rs 14,400
Total	<input type="checkbox"/> Rs 94,400
Enterprise Licence (Multiple Locations)	Rs 120,000
GST @ 18%	Rs 21,600
Total	<input type="checkbox"/> Rs 141,600

I am enclosing a cheque/demand draft for Rs _____, vide cheque/demand draft no. _____ drawn on _____ dated _____ in favour of “India Infrastructure Publishing Pvt. Ltd.”

Signature

.....

Name (Block Letters) _____

Designation _____

Company _____

Company GST No. _____

Mailing Address _____

Telephone _____ Mobile _____

E-mail _____

Wire transfer details:

Beneficiary : India Infrastructure Publishing Pvt. Ltd.
Bank Name : The Hongkong and Shanghai Banking Corporation Ltd
Bank Address : R-47, Greater Kailash-1, New Delhi - 110048
Account No. : 094179587002
Swift Code : HSBCINBB
IFSC Code : HSBC0110006
GSTIN : 07AAACI5880R1ZV

Contact details:

Farhan Ahmed
Vice President, Research Sales
India Infrastructure Publishing Pvt. Ltd.,
B-17, Qutab Institutional Area, New Delhi - 110 016, India
Mobile: **+91-9891309676**
Email: farhan.ahmed@indiainfrastructure.com