

EPC Solution Provider for Green Hydrogen Projects



HAL OFFSHORE LIMITED

Green Hydrogen Infrastructure in India is based on 4 Pillars

1. Government
2. OEM's
3. Green Hydrogen EPC Suppliers
4. End Consumers

Government is creating ecosystem with its policies to develop GH infrastructure

Global Electrolyser Technology providers/OEMs are looking forward to cater the Indian market

Consumers in India classified to develop Green H2 infrastructure build up as per National Green Hydrogen Mission

Phase I	
2023 - 2026	Refineries Fertilizers City Gas Sectors
Phase II	
2027-2030	Steel Shipping Sector / Railways

Central & State PSU's in above vertical are looking forward to Turnkey Solution Provider's who are flexible to provide Tailor made Solution as per their respective requirements.

Hence in Green Hydrogen supplies,
role of EPC Companies is vital to
ensure compatibility with end
consumers

HAL OFFSHORE LIMITED

EPC SOLUTION PROVIDER FOR GREEN HYDROGEN PROJECTS

HAL Offshore Limited is an established EPC Company providing single window Turnkey Solution and Services in India Oil & Gas sector for the last 25 years.



We are emerging as a promising Company in the field of Green Hydrogen sector with Alkaline Electrolyser Technology offering capacity of 1 MW to 40 MW with focus on Make in India

- ▶ Electrolyser System with all associate accessories
- ▶ Gas Liquid Treater
- ▶ H2 Purification / Dryer System for higher than 99.999% purity
- ▶ Refrigeration Package
- ▶ Water Treatment System
- ▶ Civil & Architectural
- ▶ Electrical , Mechanical & Instrumentation Equipment
- ▶ PLC /DCS integration along with HMI for complete system

Hydrogen Plant



EPC Solution Offerings

Design	Procurement	Site	Operation
Product Management	Supplies	Storage	Training
Residual Process Design	Fabrication	Integration	Long Terms Comprehensive O&M
Detailed Engineering	Assembly	Erection	
Hazop Study	Inspection	Installation	
3D Modelling	Quality Plan	Construction	
	Transportation	Testing	
		Statutory Compliance	

Output Parameters

H2 Output	0.4 TPD to 16 TPD
Purity of H2	$\geq 99.999\%$
O2 Content	≤ 1 PPM
Outlet Pressure	15 kg/cm ² to 32 kg/cm ²
Dew Point	Better than 70° C

THANKS

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