

L&T Press Release

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L&T House
Ballard Estate, Mumbai 400 001
Tel: 91 22 6752 5656
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L&T commissions first indigenously manufactured Hydrogen Electrolyser at Hazira

Mumbai, February 29, 2024: Larsen & Toubro (L&T) has achieved a significant milestone in the clean energy space by commissioning its first indigenously manufactured electrolyser at the Green Hydrogen Plant at A M Naik Heavy Engineering Complex in Hazira, Gujarat. This pioneering accomplishment signifies L&T Electrolysers Limited's foray into domestic electrolyser manufacturing, underscoring the company's steadfast dedication to propelling sustainable energy solutions.

Featuring a rated power capacity of 1 MW (expandable to 2 MW), this electrolyser can produce 200 Nm³/Hr of hydrogen. It is equipped with two stacks and an Electrolyser Processing Unit (EPU) ML-400, which is indigenously manufactured and assembled, adhering to the latest international standards, and offers exceptional flexibility and thermal stability. The electrolyser will now undergo rigorous testing in the coming weeks to optimise its performance, and in turn, paving the way for full-fledged manufacturing of electrolysers.

L&T Electrolysers Limited, a newly incorporated entity of L&T, is focused on manufacturing pressurised alkaline electrolysers using the technology from McPhy Energy, France. The company spearheaded the complete value chain from engineering to manufacturing, in collaboration with Indian vendors and suppliers, thus setting a benchmark for "Make in India" initiatives. L&T Electrolysers plans to leverage its upcoming giga-scale facility in Hazira to meet the growing demand for green hydrogen, maximising product localisation through enhanced local supply chain, and automation for cost-competitiveness.

Mr Subramanian Sarma, Whole-time Director & Sr EVP (Energy), L&T said: "The indigenously manufactured electrolyser marks a transformative leap towards clean energy, positioning us to lead not only in the domestic market but also globally. This advancement significantly bolsters our offerings across the value chain, showcasing L&T as a global force in the clean energy space".

Mr Derek M Shah, Sr VP & Head - Green Energy Business, L&T, said: "Our commitment to localisation in this project goes beyond mere cost-efficiency. It empowers the Indian supply chain, creates exciting opportunities for skilled professionals, and aligns perfectly with the vision of 'Aatmanirbhar Bharat'".

L&T Electrolysers has been allocated a significant 300 MW/annum capacity under the Production Linked Incentive (PLI) of the National Green Hydrogen Mission, launched by Government of India's Ministry of New and Renewable Energy (MNRE) and implemented by the Solar Energy Corporation of India (SECI). This allocation underscores L&T Electrolysers' potential to emerge as a key player in electrolyser manufacturing.

Background:

Larsen & Toubro is a USD 23 billion Indian multinational engaged in EPC Projects, Hi-Tech Manufacturing, and Services. It operates in over 50 countries worldwide. A strong, customer-focused approach and the constant quest for top-class quality have enabled L&T to attain and sustain leadership in its major lines of business for eight decades.

About L&T Electrolysers:

L&T Electrolysers Limited, a subsidiary of Larsen & Toubro Limited, is at the forefront of manufacturing pressurized alkaline electrolysers. The company is committed to delivering innovative, sustainable, and reliable solutions in the field of green hydrogen production, contributing to a cleaner and greener future.

Media Contacts:

Sumeet Chatterjee

Head - Corporate Brand Management & Communications

sumeet.chatterjee@larsentoubro.com