

**No. 353/35/2022-NT**  
**Ministry of New and Renewable Energy**  
**National Green Hydrogen Mission**

Atal Akshay Urja Bhawan, Lodhi Road  
New Delhi 110003

18 August 2023

**OFFICE MEMORANDUM**

**Subject:** Green Hydrogen Standard for India.

The Government of India has approved the National Green Hydrogen Mission. For the purpose of the mission and its ensuing policies and programmes, following are specified:

- (1) **"Green Hydrogen"** shall mean Hydrogen produced using renewable energy, including, but not limited to, production through electrolysis or conversion of biomass. Renewable energy also includes such electricity generated from renewable sources which is stored in an energy storage system or banked with the grid in accordance with applicable regulations.

**Whereas, for Green Hydrogen produced through electrolysis:-**  
The non-biogenic greenhouse gas emissions arising from water treatment, electrolysis, gas purification and drying and compression of hydrogen shall not be greater than 2 kilogram of carbon dioxide equivalent per kilogram of Hydrogen (kg CO<sub>2</sub> eq/kg Hydrogen), taken as an average over last 12-month period.

**Whereas, for Green Hydrogen produced through conversion of biomass:-**  
The non-biogenic greenhouse gas emissions arising from biomass processing, heat/steam generation, conversion of biomass to hydrogen, gas purification and drying and compression of hydrogen shall not be greater than 2 kilogram of carbon dioxide equivalent per kilogram of Hydrogen (kg CO<sub>2</sub> eq/kg Hydrogen) taken as an average over last 12-month period.

- (2) A detailed methodology for measurement, reporting, monitoring, onsite verification, and certification of green hydrogen and its derivatives shall be specified by the Ministry of New and Renewable Energy.
- (3) Bureau of Energy Efficiency shall be the Nodal Authority for accreditation of agencies for the monitoring, verification and certification for Green Hydrogen production projects.

This issues with the approval of the Hon'ble Minister of New and Renewable Energy and Power.



Sujit Pillai  
Scientist 'F'