

**JOINT DECLARATION OF INTENT
BETWEEN
THE MINISTRY OF NEW AND RENEWABLE ENERGY OF GOVERNMENT OF
THE REPUBLIC OF INDIA

AND

THE MINISTRY OF ECONOMY, TRADE, AND INDUSTRY OF JAPAN
ON

CLEAN HYDROGEN AND CLEAN AMMONIA**

The Ministry of New and Renewable Energy of the Government of the Republic of India and The Ministry of Economy, Trade and Industry of Japan (hereinafter referred as “Participants” and individually as the “Participant”)

Recalling the long standing, trustful and successful development cooperation between India and Japan;

Guided by their common goal of low carbon development, express their strong commitment to collaboration on development and deployment of Clean, including Green Hydrogen and Ammonia (hereinafter referred to as “hydrogen/ammonia”) technologies.

Japan is a leading global player in technologies for hydrogen/ammonia production, delivery and utilization, and has announced ambitious goals for their usage in different sectors; whereas India aims to utilize its vast renewable energy potential to produce low cost clean hydrogen/ammonia at scale, to meet a cross-sectoral domestic demand for hydrogen/ammonia and become a global hub for export of hydrogen/ammonia and their derivative products including taking into account Japan’s hydrogen/ammonia requirements through various measures, including National Green Hydrogen Mission of India.

Through this Joint Declaration of Intent (JDI), Participants believes that India and Japan will leverage their combined strength to promote hydrogen/ammonia eco-systems in India, Japan and third countries.

Areas of Cooperation

The JDI intends to promote research, investment and implementation of projects on hydrogen/ammonia including their transport and applications across identified sectors. It will also encourage and facilitate, as appropriate, the advancement of cooperation on hydrogen/ammonia technologies particularly in the following areas:

1. Deepen collaboration on cutting-edge research and innovation for developing globally competitive technologies, by identification and implementation of specific R&D projects and by leveraging upon each country's unique technical capabilities. In this regard, the JDI will cover projects including, but not limited to applications of hydrogen/ammonia in industrial processes, long haul mobility, shipping, power generation and steel production.
2. Develop mutual understanding around hydrogen/ammonia-related policies and global best practices, and lead the shaping of global hydrogen/ammonia market regulations, codes and standards and their harmonization. In this regard, the JDI will cover topics including, but not limited to:
 - a. Capacity building of regulatory authorities of both countries
 - b. Protection of intellectual property
 - c. Trade facilitation for parts and raw materials
 - d. Ease of doing business
3. Promote the possibility of new trade and investment, and cooperate in the relevant international fora. In this regard, the JDI will cover activities including, but not limited to:
 - a. Seminars hosted by Japan External Trade Organization (JETRO)
 - b. Asia Green Growth Partnership Ministerial Meeting (AGGPM)
 - c. International Conference on Fuel Ammonia
 - d. Hydrogen Energy Ministerial Meeting
 - e. International Conference on Green Hydrogen (MNRE)
4. Work in coordination to assess the requirements for infrastructure, trade rules, and technical requirements for developing ports capabilities for import/export of hydrogen/ammonia and other derivatives like methanol.
5. Promote establishment of reliable hydrogen/ammonia supply-chain and exchange dialogue to develop a cross-border hydrogen/ammonia trade corridor.

Implementation

In order to coordinate the above mentioned activities, the Participants intend to establish a Hydrogen/Ammonia Task Force under the Working Group (WG) on New and Renewable Energy of the India-Japan Energy Dialogue and the terms and conditions of such collaboration will be decided mutually.

Progress on the JDI will be reported annually to the Ministers through the India-Japan Energy Dialogue. WG on New and Renewable Energy is responsible for its delivery.

Other Matters

This JDI does not create any legal, contractual or financial rights or obligations for the Participants.

This Joint Declaration of Intent was signed on 25th August, 2025 in two originals, in English language.

On behalf of The Ministry of Economy, Trade, and Industry of Japan	On behalf of The Ministry of New and Renewable Energy of India
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