

Joint Declaration of Intent

between

**the Ministry of New and Renewable Energy (MNRE)
of the Republic of India**

and

**the Ministry for Economic Affairs and Climate Action (BMWK)
of the Federal Republic of Germany**

on Indo-German Green Hydrogen Task Force

The Government of the Republic of India and the Government of the Federal Republic of Germany share the common goal of reducing their import dependency from fossil fuels and to decarbonize their economies.

Both nations are committed to develop a national green hydrogen economy.

The common long-term goal is to make green hydrogen economically viable. This requires a global upscale of green hydrogen production and offtake.

India and Germany therefore support the establishment of a global green hydrogen economy, to facilitate the achievement of the goals under the Paris Agreement.

Both sides are convinced that common goals can be achieved better in close cooperation, building on individual strengths and capacities.

Both sides appreciate the productive political dialogue that takes place under the Indo-German Energy Forum (IGEF) established in 2006.

Both sides thus will establish an Indo-German Green Hydrogen Task Force (hereinafter referred to as "the Task Force"), to strengthen mutual cooperation in production, utilization, storage and distribution of Green Hydrogen through building enabling frameworks for projects, regulations and standards, trade and joint research and development (R&D) projects.

Objective:

The Task Force will develop an Indo-German Green Hydrogen Roadmap with specific joint actions defined.

The Task Force will formalize the bilateral exchange of information and assessments on upscaling green hydrogen in their respective nations.

The Task Force will establish lighthouse projects resulting in recommendations for the political dialogue.

The Task Force will also work towards establishing a Green Hydrogen Hub in India, with German support.

The Task Force will promote the creation of a close network between government, industry, and research institutes from both countries.

Focus Areas:

The Task Force will prioritize the following areas:

- i. Promotion of public and private investment in production, transport, and consumption of green hydrogen and its derivatives. This includes:
 - a. Upscaling of Renewable Energies to deliver the required green electricity for hydrogen production,
 - b. Support to key industries for decarbonization through conversion of CO₂ intensive manufacturing processes into green hydrogen-based processes;
- ii. Promotion of joint R&D projects and R&D partnerships;
- iii. Promotion of private sector networks and partnerships;
- iv. Identification of opportunities for consortium building and investment;
- v. Sharing knowledge and experiences in regulation, standards, and safety procedures as well as sustainability criteria of Green Hydrogen; Cooperation on the development of certification schemes for Green Hydrogen;
- vi. Sharing experiences in Green Hydrogen policies;
- vii. Exploring opportunities for manufacture of electrolyzers and other critical components of green hydrogen value chain in both the countries;
- viii. Building supply chains to support bulk trade of hydrogen and/or its derivative products for export, including exploring opportunities for advance purchase commitments;
- ix. Strengthening institutions and capacity development for agencies engaged in implementation and regulation of the respective national hydrogen strategies.

Both sides will jointly prioritize the above-mentioned topics, identify relevant institutions to be included in the task force meetings and decide on the specific actions in which each topic will be addressed meaningfully.

Structure:

The Task Force will be led by MNRE from the Indian side and BMWK from the German side, and will be supported by the Indo-German Energy Forum.

The Secretariat to the Task Force will be provided by the Indo-German Energy Forum Support Office in New Delhi.

The Task Force will meet (virtually or in person) in quarterly intervals to:

- i. Identify projects that can be implemented jointly;
- ii. Identify key challenges to be tackled, e.g. regulations and standards, transport of hydrogen, financing of projects;
- iii. Suggest further activities to be undertaken for implementation of this Joint Declaration of Intent and strengthening cooperation on Green Hydrogen.

This Joint Declaration of Intent is not meant to constitute an international treaty or to create any rights or obligations under international law.

Duration:

The Task Force will become effective upon signature by both sides with an initial period of 24 months. After 24 months its work will be evaluated, and its continuation will be decided upon by both sides.

Signed in Berlin and New-Delhi on the 2nd of May 2022 in duplicate and in English language.

For the Ministry of New and
Renewable Energy of
the Republic of India



Raj Kumar Singh
Minister

For the Ministry for Economic Affairs and
Climate Action of
the Federal Republic of Germany



Dr. Robert Habeck
Federal Minister