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PUBLIC NOTICE

ON THE WEBSITE OF NEW AND RENEWABLE ENERGY DEPARTMENT, HARYANA

SOLICITING SUGGESTIONS\FEEDBACKS\COMMENTS\VIEWS FROM GENERAL PUBLIC\STAKEHOLDERS ON THE DRAFT “HARYANA GREEN HYDROGEN POLICY 2024”.

General Public\stakeholder is hereby informed that the New and Renewable Energy Department, Haryana has prepared a draft Haryana Green Hydrogen Policy -2024. The draft Haryana Green Hydrogen Policy -2024 is attached to this notice as **Annexure-I**.

Any person\stakeholder desirous of sending views\comments\suggestions on the draft ‘Haryana Green Hydrogen Policy -2024’ may do so by 15th March 2024 through email at hareda-chd@nic.in

Director General
New and Renewable Energy Department,
Haryana, Panchkula.

DRAFT HARYANA GREEN HYDROGEN POLICY -2024

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***Draft
Haryana Green
Hydrogen Policy***

January 2024



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1.Preamble

The Government of India released the National Green Hydrogen Mission (NGHM) in January 2023. The Mission aims to accelerate the adoption of green hydrogen to decarbonize hard to abate sectors and also enhance energy security and reduce dependence on oil and gas imports. Under the NGHM, India has an ambition to achieve 5 million tonnes of Green Hydrogen production by 2030. Hydrogen will also be an important means to increase penetration of RE and allow more RE use in industries by substituting fuel and feedstock with GH and derivatives.

Furthermore, Green hydrogen featured in a number of emissions reduction pledges at the UN Climate Conference, COP26, as a means to decarbonize heavy industry, long haul freight, shipping, and aviation. Governments and industry have both acknowledged hydrogen as an important pillar of a net zero economy.

According to Union Government's goal of "energy independence" by 2047, 50% of the electricity demand of India will have to be met by renewable energy by 2030. This will also include the surplus electricity from renewable energy being used for the production of green hydrogen. India's demand for hydrogen is forecast to reach 9 million tonnes by 2030, and the government's target is for 5 million tonnes of this to be met by green hydrogen.

The Haryana government has recognized and emphasized the need for green hydrogen production and is aiming at creating the correct ecosystem as well as provide appropriate subsidies and incentives for the same.

2.Vision and Target of the Policy

To make Haryana a leader on Green Hydrogen and its derivatives ecosystem in the country, with a production target of 250 kilo tonnes per annum (kTPA) Green Hydrogen by 2030, electrolyser manufacturing capacity of 2GW and associated components driving de-carbonization across the industries, enhancing energy security and encouraging exports.

3.Objectives of the Policy

- a) To accelerate development and adoption of Green Hydrogen and its derivatives as alternative fuel and feedstock sources in line with the National Green Hydrogen Mission.
- b) To harness the clean energy potential and enhance energy security by making best use of the available renewable energy resources and biomass to replace fossil fuel usage in the State.
- c) To promote manufacturing of electrolysers and other critical equipment related to Green Hydrogen in the State.
- d) To attract investment in the Green Hydrogen and Renewable Energy sector, create job opportunities, and develop the State economy.
- e) To reduce emissions from crop burning by using biomass for green hydrogen production.

- f) To make Haryana a leader in Research & Development (R&D) for electrolysers, fuel- cells, and other enabling technologies for Green Hydrogen ecosystem.
- g) To enable skilling of workforce and generate employment opportunities across Green Hydrogen and its derivatives value chain.

4. Title of the Policy

The Policy shall be called “Haryana Green Hydrogen Policy 2024” and shall come into effect from the date of its notification in the Official Gazette.

5. Policy Operative Period

The Policy shall remain in force till 31st March 2030 or until a new policy is announced by the Government of Haryana (GoH) and will be applicable for all projects commissioned till such date.

6. Definitions

"Electrolyser": An "Electrolyser" is a system or device that uses electricity to split water molecules into hydrogen and oxygen, thereby producing hydrogen as a sustainable source of clean energy.

“Fixed Capital Investment (FCI)” means actual investment in Green Hydrogen Production Plant and related Renewable Energy Generation Plant (as applicable) excluding the cost of land and building, storage, transportation, transmission, etc.

“Green Hydrogen”: Green Hydrogen (GH) shall be defined as either hydrogen produced by way of electrolysis of water using direct or banked Renewable Energy, or hydrogen produced from biomass or Municipal Solid Waste (MSW) or clean hydrogen produced through other innovative technologies as specified by the Ministry of New and Renewable Energy (MNRE) from time to time.

“Green Hydrogen Derivatives”: Green Hydrogen derivatives means chemical compounds that are produced using Green Hydrogen and shall include green ammonia and any other chemical compound as defined by MNRE, MoP and Central Authorities from time to time.

“Green Hydrogen Hub”: “Green Hydrogen Hub” is a geographical area where large scale production and/or utilization of Hydrogen exist within the identified region. Such hubs will be planned in an integrated manner to allow pooling of resources and achievement of scale along with development of associated infrastructure to support it.

“Green Hydrogen Production Plant” means the plant and machinery required for the production of green hydrogen through electrolysis process such as Stack, BoP and related electrical system etc and through biomass gasification and any other process as may be defined by MNRE.

“Green Hydrogen Project” means project set-up for production of Green Hydrogen, conversion of Green Hydrogen to its derivatives, Green Hydrogen storage and Green Hydrogen transportation etc.

“Renewable Energy Generation Plant” means the plant and machinery required for the production of green energy and electrical system up to nearest grid substation excluding the cost of land, dedicated transmission system and building, storage etc.

“Renewable Energy Sources” means renewable sources such as Mini Hydro, Micro Hydro, Small hydro, Wind, Solar, Biomass, and such other sources as recognized or approved by MNRE. This will also include energy from pumped hydro storage plants (PSP) or Battery Energy Storage Systems (BESS) charged from Renewable Energy sources only.

"Renewable Energy Standalone Plant" means an electricity generating plant based on any one renewable energy source with or without energy storage system or an electricity generating plant based on two or more renewable energy sources with or without energy storage system connected at the different inter-connection points.

"Renewable Energy Hybrid Plant" means an electricity generating plant based on hybrid of two or more renewable energy sources with or without energy storage system, connected at the same inter-connection point.

“Green Hydrogen Hub”: “Green Hydrogen Hub” is a geographical area where large scale production and/or utilization of Hydrogen exist within the identified region. Such hubs will be planned in an integrated manner to allow pooling of resources and achievement of scale along with development of associated infrastructure to support it.

7. Eligible Projects

7.1 The benefits under the Section 10.2 of this Policy shall be applicable for Green Hydrogen and its derivatives projects within the State which are procuring Renewable Energy (RES) from the following sources:

7.1.1 3rd party RES procurement under open access route, within the state, from co-located or differently located RES within the state.

7.1.2 Captive RES plant deployment, within the State or outside the State, under a co-located or differently located within the state

7.1.3 Renewable Energy procurement from distribution licensee located within the State.

7.1.4 Green energy procurement from power exchange.

7.1.5 A mix of any of the above including energy storage facilities located inside the state charged from the above sources.

7.1.6 Benefits specified under the Section 10.2 of this Policy are provided considering minimum 25 years useful life of the Eligible Projects.

7.1.7 Benefits other than specified under the Section 10.2 of this Policy, shall be applicable for projects located within Haryana and as specified in the respective Section of the policy.

7.1.8 Benefits under the policy are applicable for projects sanctioned and commissioned during policy operative period.

7.2 Other conditions regarding applicability of the Section 10.2 benefits

7.3 The benefits under these sections shall be limited only to the green hydrogen production unit of the eligible Green Hydrogen project and Green Hydrogen derivatives project other than as specified in the Section 10.2.

7.4 In case third party RE project linked with the eligible Green Hydrogen and its derivatives project is partially located inside and outside the state then proportionate policy benefits shall be provided for the inside the state RE project only.

7.5 In case if a standalone RE plant gets converted to a hybrid RE plant during the operating policy period, then the benefits of a hybrid RE project shall be extended to such a hybrid project linked with green hydrogen and derivative project considering the original green hydrogen project commissioning date as the start for the incentives. The start of hybrid incentives will only be applicable once the project is converted to hybrid RE project and standalone RE project incentives would be applicable before that.

7.6 The maximum benefits, under this policy, which can be availed by a single beneficiary will be limited to 50 kilo tonnes per annum (production capacity) of Green Hydrogen.

8.State Nodal Agency for the Green Hydrogen

8.1 Haryana New & Renewable Energy Department will be forming a new task force "Haryana Green Hydrogen Planning Committee (HGHPC)" under the aegis of the New & Renewable Energy Department of Haryana. HGHPC shall act as a Nodal Agency under this Policy and shall be responsible for driving all Green Hydrogen related policy, coordination, implementation, monitoring, compliance, and any other associated work. HGHPC will consist of designated officers from all relevant department and authorities from the State government which will have a role in the development of Green Hydrogen ecosystem. HGHPC along with its designated officers shall be responsible for the following activities in relation to the setting up of green hydrogen project:

8.1.1 Registration of Green Hydrogen and its derivatives projects within the State.

8.1.2 Registration of Renewable Energy projects within the State tagged to Green Hydrogen and its derivatives projects.

8.1.3 Approval of Green Hydrogen and its derivatives projects along with the tagged Renewable Energy projects within the State.

8.1.4 Development of Green Hydrogen hub within the State. Facilitate the planning and allotment of government land through relevant State authorities.

8.1.5 Facilitate the leasing / acquisition of private land through relevant State authorities.

8.1.6 Facilitate the planning and allotment of water resources through relevant State authorities.

8.1.7 Facilitate the planning and development of transmission infrastructure in RE rich areas through relevant State authorities.

8.1.8 Facilitate R&D and pilots related to Green Hydrogen, and collaboration for knowledge transfer.

8.2 Haryana Renewable Energy Development Agency (HAREDA) will be responsible for closely guiding HGHPC on day-to-day activities till it starts operating independently. Also, all the responsibilities of HGHPC will be taken up by HAREDA until the formulation of HGHPC.

8.3 HGHPC will be responsible for all the activities related to the policy, its amendment as per requirement and any monitoring/ measurement activity.

8.4 HGHPC shall provide a single window facility and facilitate approval/allotment of all Green Hydrogen projects in a time-bound manner.

8.5 HGHPC shall assist the project developers in obtaining the consents, clearances, and permits, by providing letters of recommendation to the concerned authorities, as may be requested by the project developer. However, HGHPC shall not be accountable for any delays in obtaining the consents, clearances, and permits required for development of all Green Hydrogen projects. It is the responsibility of the developer to acquire all statutory clearances required for the project development.

8.6 All incentives such as Central Financial Assistance, Viability Gap Funding (VGF), etc., as applicable, as provided by Government of India for Green Hydrogen shall be extended to the project developer for Green Hydrogen and its derivatives within the State and HGHPC shall facilitate seamless transfer of all Central Government benefits.

8.7 HGHPC shall coordinate with MNRE, Ministry of Petroleum and Natural Gas (MoPNG), Ministry of Chemicals and Fertilizers, Ministry of Road Transport and Highways (MoRTH), Ministry of Steel and other central government ministries to establish and adopt framework of regulations and standards to facilitate Green Hydrogen and derivatives production, storage, transportation, and consumption.

8.8 HGHPC will also identify any gaps or deficiencies in the system which may hinder the ecosystem development and will notify the relevant Ministry or Agency to plug those gaps. HGHPC will also facilitate development of skilling needs with gender and social considerations to cater to the sector requirements

8.9 Responsible for collection of facilitation fee: The project developers setting up Green Hydrogen and its derivatives projects within the State shall pay a facilitation fee of INR 10,000 per MW of GH plant capacity as one-time facilitation fee to HGHPC for coordination, implementation, monitoring and compliance related work. In addition to the facilitation fee for GH plant capacity, the registration fees for the associated Renewable Energy capacity will be applicable as specified by HGHPC from time to time.

9. Eligible Project Developers

9.1 Any individual, company or body corporate or association or body of individuals, whether incorporated, or juridical entity, shall be eligible for setting up of Green Hydrogen and its derivatives projects by way of electrolysis of water using Renewable Energy or biomass-based production or Municipal Solid Waste (MSW) based production or clean hydrogen produced through other innovative technologies as specified by the Ministry of New and Renewable Energy (MNRE) from time to time, either for the purpose of captive use and / or selling of Green Hydrogen and its derivatives to third parties.

9.1.1 For projects other than Green Hydrogen and its derivatives projects: As specified in the respective Section of the policy.

9.1.2 Project Registration and approval: The project developers shall submit details of Green Hydrogen and derivative project as may be required by Haryana Renewable Energy Development Agency (HAREDA) to seek registration and approval for the project under this policy. The Green Hydrogen and derivative project along with associated renewable energy projects will be registered with HGHPC.

9.1.3 Project Facilitation Fee: The project developers setting up Green Hydrogen and its derivatives projects within the State shall pay a facilitation fee of INR 10,000 per MW of electrolyser capacity as one-time facilitation fee to HGHPC.

9.1.4 Eligible Project Developer will submit request for approval of Green Hydrogen and its derivatives projects along with the tagged Renewable Energy projects to HGHPC for exemption and benefits under this policy.

9.1.5 RE Project Registration: The registration fees for the associated Renewable Energy capacity will be applicable as per the state's latest renewable energy policy

10. Benefits to Green Hydrogen and its derivatives projects

10.1 Measures for promoting production of green hydrogen and derivatives

10.1.1 To enable round the clock supply of Renewable Energy for continuous production of Green Hydrogen, the State shall facilitate development of Renewable Energy Hybrid Plants, battery storage and pumped hydro storage projects within the state. While allocating the land, connectivity to transmission infrastructure and water infrastructure, priority shall be given for development of Renewable Energy Hybrid Plants and pumped hydro storage projects tagged to Green Hydrogen and its derivatives projects.

10.1.2 For cost effective supply and processing of biomass to be used in Green Hydrogen, all relevant clauses as under Haryana Bio-energy Policy 2018 shall be applicable.

10.1.3 The distribution licensees within the State shall be allowed to procure and supply Renewable Energy to Green Hydrogen and its derivatives projects within the State. In such cases, the distribution licensee shall only charge the cost of procurement and a small margin as determined by the Haryana Electricity Regulatory Commission (HERC). Wheeling charges will be exempted for such procurement by the Green Hydrogen and its derivative projects. Wheeling charge exemptions on Renewable Energy supply from distribution licensees will be reviewed from time to time by HERC, while reviewing the petitions filed by distribution licensees for tariff revisions.

10.1.4 Cross subsidy surcharge and additional surcharge shall not be applicable for electricity procured for the production of green hydrogen part in the Green Hydrogen and its derivatives projects subject to approval from HERC. This benefit will be applicable for all Green Hydrogen and its derivatives projects even beyond restrictions mentioned in the Section 7.

10.1.5 Contract demand charges shall not be applicable for Green Hydrogen and its derivatives project procuring RE through open access as per HERC and as amended from time to time.

10.1.6 The obligated entity shall be allowed to meet their Renewable Purchase Obligation by purchasing green hydrogen and its derivatives and the quantum of such green hydrogen or its derivatives would be computed by considering the equivalence to the green hydrogen or its derivatives produced from one MWh of electricity from the renewable sources or its multiples and norms in this regard shall be notified by the Central Commission.

10.1.7 Provided, Renewable Energy in excess of RPO of obligated entity shall be counted towards RPO compliance of the distribution licensee as per provisions of central policy/ regulations related to renewable energy procured for green hydrogen.

10.1.8 Provided, RPO benefits associated with such RE taken by different beneficiaries shall not exceed 100% RPO benefits accrued from RE which is required for production of Green Hydrogen in a Green Hydrogen and its derivatives project.

10.2 Special concessions and waivers for Green Hydrogen and its derivatives projects

10.2.1 100% exemption from electricity duty shall be provided for a period of 10 years from date of commissioning of Green Hydrogen and its derivatives projects for consumption of electricity procured from Renewable Energy Plants with or without storage.

10.2.2 100% exemption from intra-state transmission charges and wheeling charges shall be provided for a period of 10 years from date of commissioning of Green Hydrogen and its derivatives projects for electricity procured from Renewable Energy Plants with or without storage. Intra-state transmission and wheeling losses shall be applicable as determined by HERC from time-to-time.

10.2.3 Banking rules and charges shall be applicable as determined by HERC from time-to-time.

10.2.4 Intra-state transmission and wheeling losses shall be applicable as determined by HERC from time-to-time.

11. Creation of Green Hydrogen Demand in the State

The following benefits are applicable for the consumption of green hydrogen and its derivatives from the projects located within the State.

11.1 HAREDA shall facilitate GH demand aggregation in the State, to support creation of Green Hydrogen demand, through appropriate mechanism.

11.2 Subsidy of up to INR 50 per kg of Green Hydrogen shall be provided for 5 years from the start of blending of Green Hydrogen with natural gas for CNG and PNG networks, Green Ammonia production, use in mobility, steel production and in other industrial processes

12. Support infrastructure for RE and GH

12.1 Land

12.1.1 HAREDA shall support in identification of land bank for development of hubs/ clusters for Green Hydrogen and its derivatives production, conversion, storage, transportation and hydrogen re-fuelling stations within the State.

HAREDA shall also support to formulate guidelines for allocation of land from such land bank to the prospective developers. Where necessary HAREDA will work with Haryana State Industrial and Infrastructure Development Corporation (HSIIDC) for the same.

12.1.2 HAREDA shall facilitate acquisition of private land on lease / purchase through relevant State authorities.

12.1.3 Exemption of taxes and duties for land used for Green Hydrogen and its derivatives projects

12.1.4 The following exemption shall be applicable for land used for Green Hydrogen and its derivatives projects and tagged RE projects commissioned during the policy operative period.

12.1.4.1 Local Body Tax & Non – Agriculture land (NA) tax shall be exempted for land acquired for Green Hydrogen and its derivatives production, conversion, storage, transportation and hydrogen refuelling stations projects and associated co-located Renewable Energy projects (Renewable Energy plants, biomass processing plants and Green Hydrogen / derivatives projects located in the same location) within the State and commissioned during the policy operative period.

12.1.4.2 100% exemption from payment of stamp duty for land acquired for Green Hydrogen and its derivatives production, conversion, storage, transportation and hydrogen refuelling stations projects and associated co-located Renewable Energy projects (Renewable Energy plants, biomass processing plants and Green Hydrogen and its derivatives projects located in the same location) within the State and commissioned during the policy operative period.

12.2 Water

12.2.1 HAREDA shall coordinate with water resource department for identification and facilitation of development of water infrastructure for Green Hydrogen and its derivatives projects.

12.2.2 HAREDA shall coordinate with water resource department to formulate guidelines for allocation of water and water resources for Green Hydrogen and its derivatives projects.

12.2.3 HAREDA shall facilitate setting up water treatment plants for shared use by the Green Hydrogen industry

HAREDA shall provide special preference for projects which promote utilization of grey water for Green Hydrogen production

12.3 Transmission Connectivity

12.3.1 HAREDA shall identify potential Renewable Energy sites for development of Renewable Energy Plants. For such Renewable Energy sites, HAREDA shall facilitate development of transmission infrastructure for connectivity through relevant state authorities.

12.3.2 Grid connectivity to Green Hydrogen and its derivatives projects and associated Renewable Energy and storage projects within the State shall be granted on priority under Electricity Rules as further amended from time to time. HAREDA shall facilitate such approvals.

12.3.3 HAREDA shall facilitate mapping and allocation of transmission infrastructure resources for each Green Hydrogen and its derivatives project at the time of project approval.

12.3.4 State agencies such as DISCOM, TRANSCO/ STU shall investigate the technical feasibility of providing grid connectivity from the closest location in grid network for the project. The basic infrastructure required for this will be developed by the project developer or the concerned organization under the prevailing policies, rules, and regulations.

12.3.5 Green Hydrogen and its derivatives projects and the associated Renewable Energy and storage projects within the State shall be granted open access approvals within 15 days of receipts of application complete in all respects. HAREDA shall facilitate such approvals.

12.4 Development of Green Hydrogen Hubs

12.4.1 HAREDA shall facilitate identification of potential sites/clusters for development of Green Hydrogen hubs.

12.4.2 HAREDA shall facilitate mapping of resources such as land, water, Renewable Energy, transmission infrastructure etc. at identified potential sites/cluster for development of Green Hydrogen hubs and facilitate the development of such support infrastructure in the hubs through relevant State authorities.

12.4.3 Haryana State Industrial and Infrastructure Development Corporation (HSIDC) shall facilitate development of Green Hydrogen hub by providing land, water, and basic infrastructure within the HSIIDC area.

12.5 Development of storage and transport infrastructure for Green Hydrogen and its derivatives

12.5.1 HAREDA shall facilitate formulation and implementation of rules, regulation and safety standards for storage and transportation of Green Hydrogen and its derivatives through relevant State and Central authorities as per guidelines issued by the Government of India from time to time.

12.5.2 HAREDA shall formulate the process and also facilitate approvals and clearances for setting up common infrastructure such as bulk storage and pipeline for storage and transportation through relevant State authorities.

13. Electrolyser and equipment manufacturing and creation of manufacturing hubs

13.1 100% exemption from electricity duty shall be provided for a period of 10 years from date of commissioning of Green Hydrogen supply chain equipment.

13.2 HAREDA shall streamline the import of rare earth materials required for Green Hydrogen supply chain equipment.

13.3 HAREDA shall facilitate allocation of land in Haryana Infrastructure and Industrial Development Corporation (HSIIDC) areas to set up manufacturing zone for Green Hydrogen supply chain equipment, Renewable Energy plant & equipment, and other associated component. HAREDA shall also facilitate formulation of guidelines for allocation of land from such land bank to the prospective manufacturers.

13.4 HAREDA shall facilitate development of common infrastructure (roads, electricity, water, etc.) in such manufacturing zones through relevant State authorities.

13.5 HAREDA shall facilitate in obtaining time bound statutory clearances for setting up of manufacturing units through relevant State authorities.

14. Research & Development (R&D) and Pilot Projects

14.1 Support for R&D

14.1.1 HAREDA shall facilitate funding through relevant State authorities to support establishment of R&D units on a case-to-case basis.

14.1.2 HAREDA shall facilitate co-operation between academia and industries through universities, centre of excellence, technical institutions, Industrial Training Institutes (ITI), etc.

14.1.3 HAREDA shall support start-up innovation & incubation centres related to Green Hydrogen production from biomass and waste

14.2 Pilot Projects

14.2.1 HAREDA shall support demonstration of pilot projects that utilize Green Hydrogen technology for transport sector (long-haul heavy-duty buses and trucks) and recommend for fiscal incentives on a case-to-case basis.

14.2.2 HAREDA shall closely work with stakeholders for identification of demonstration projects/pilot projects that utilize Green Hydrogen technology especially in areas such as biomass, municipal waste, after seeking necessary approval for their implementation from the Government of Haryana.

15. Ease of Doing Business, Approvals, Skilling, and Just Transition

15.1 Ease of Doing Business

15.1.1 The Government of Haryana through HAREDA shall provide a single window facility for approvals of Renewable Energy projects, Green Hydrogen and its derivatives production, conversion, storage, and transportation projects.

15.1.2 HAREDA shall establish the process to facilitate the clearances and permissions in a time-bound manner for all statutory clearances and permissions for concerned agencies/authorities.

15.1.3 HAREDA shall define the mechanism for raising and resolving grievances

15.2 Approvals and clearances

15.2.1 HAREDA shall facilitate permits, approvals, consent etc. related to various departments of the State government for Green Hydrogen and its derivatives along with the associated Renewable Energy projects through single window facility.

15.2.2 HAREDA shall provide a single point of contact under this policy for all the approvals/processes.

15.2.3 HAREDA shall facilitate environmental and forest clearance on priority for pumped hydro storage projects linked to Green Hydrogen and its derivatives projects.

15.2.4 HAREDA shall review the progress of the projects sanctioned under this policy and provide progress update to the State Hydrogen Advisory Committee, as per the requirement.

15.2.5 HAREDA shall organise a meeting of all registered project developers on quarterly basis or as frequently as required, to address issues in the project development and help with the project implementation. When it is necessary, HAREDA shall solicit project developers' comments before making suggestions about a project's suitability in accordance with the policy.

15.3 Skill Development

15.3.1 HAREDA shall facilitate creation of skilled workforce to support the development of Green Hydrogen ecosystem in the State. This shall be achieved by introducing courses related to production of Green Hydrogen and its derivatives, consumption of Green Hydrogen and derivatives, storage and transportation of Green Hydrogen and its derivatives through engineering and technical education institutes in the State. Specialization courses / subjects shall also be offered in design, development, and operation of Green Hydrogen and its derivatives projects at Diploma and Graduation levels.

15.3.2 HAREDA shall facilitate capacity building of State authorities through international cooperation and coordination between various public and private entities responsible for the development of Green Hydrogen ecosystem (including Renewable Energy developers, Green Hydrogen producers, industrial consumers, etc.). HAREDA shall provide fiscal benefits on a case-to-case basis for such capacity building programmes.

15.4 Ensuring gender & social inclusion and enable just transition

15.4.1 The Nodal Agency shall support women participation in educational courses and trainings for the green hydrogen ecosystem through ITIs/diploma institutes/engineering colleges/skill development centres and provide fiscal incentives.

15.4.2 The Nodal Agency shall also facilitate the development of green hydrogen and derivatives projects by women, cooperative societies, and socially marginalized communities. The Nodal Agency shall evaluate funding and incentives for such projects.

15.4.3 The Nodal Agency shall also facilitate re-skilling of workers currently employed in the existing fossil-fuel based industries to bridge the skill gap and create a better employable workforce.

15.4.4 The Nodal Agency shall develop public awareness programmes on the production, storage, transportation, and consumption of green hydrogen and its derivatives through relevant State authorities, academia, and research institutes.

16. State Hydrogen Advisory Committee

16.1 The Haryana State Hydrogen Advisory Committee (HSHAC) shall be constituted for ease of implementation of “Haryana Green Hydrogen Policy – 2024” by the Government of Haryana.

16.2 The State Hydrogen Advisory Committee shall be constituted under the chairmanship of Chief Secretary, Government of Haryana, for review and approval of Green Hydrogen related projects under the “Haryana Green Hydrogen Policy – 2024”. The State Hydrogen Advisory Committee shall consist of following members:

Chief Secretary, GoH	Chairman
Principal Secretary, Energy Dept., GoH	Vice-Chairman
Principal Secretary, Industry Dept., GoH	Member
Principal Secretary, Finance Dept., GoH	Member
Principal Secretary, Revenue Dept., GoH	Member
Principal Secretary, Water Resource Dept., GoH	Member
Principal Secretary, Transport Dept., GoH	Member

Principal Secretary, Skills, Employment, Entrepreneurship	Member
Lead, HGHPC	Member
DG, HAREDA	Member
MD, UHBVN	Member
MD, DHBVN	Member
Chairperson, HERC	Member
Chief Electrical Inspector	Member
CEO, HSIDC	Member

16.3 Role and Responsibilities of the Haryana State Hydrogen Advisory Committee

16.3.1 Facilitate coordination with various government departments and agencies.

16.3.2 Assign roles and responsibilities to Executive Committee

16.3.3 Monitor the progress of the policy and institutions involved in the process.

16.3.4 Monitor single window portal for all statutory clearances and permissions required for production, storage, transportation, and distribution of Green Hydrogen, Green Hydrogen its derivatives and the associated Renewable Energy projects.

16.3.5 Direct respective State departments and authorities to establish guidelines for allocation transmission and water resources for Green Hydrogen and its derivatives projects

16.3.6 Direct respective State departments and authorities to develop port related infrastructure for storage, transport, handling infrastructure and exports

16.3.7 Direct respective State departments and authorities to establish land bank for development for Green Hydrogen and its derivatives production, conversion, storage, and transportation projects.

16.3.8 Frame and/or amend any guidelines or schemes under the Policy.

16.3.9 To promote emerging technology related to production of green hydrogen and its derivative.

16.3.10 To review implementation of policy every 2 years or whenever necessary

16.3.11 To create subcommittee or special task force as required.

17. Review of Policy & Regulation, Removal of Difficulties, and Interpretations

17.1 HGHPC may undertake review of this Policy as and when needed in view of any technical difficulty, technology modification, or to remove any inconsistency with Electricity Act, 2003, Rules and Regulations made there under or due to any policy change made by HERC, Government of Haryana and Government of India or for any other purposes deemed necessary to meet the objectives of this Policy. The incentives and waivers provided under this Policy are being provided considering the overall Green Hydrogen investment environment in the State, current Green Hydrogen market in the country and the national policies/guidelines/rules. The incentives, waivers and concessions shall be calibrated in line with any changes in national policies/rules/guidelines during the Policy period.

17.2 HGHPC shall amend or review or relax or interpret any of the provisions under this Policy as and when required in consultation with the State Green Hydrogen Empowered Committee. If any difficulty arises in giving effect to any provision of this Policy, HGHPC shall issue clarifications and interpretations to such provisions of the Policy, as may appear to be necessary and expedient for removing the difficulties either on its own or after hearing those parties who have represented for change in any provision.