The Mahatma Phule Renewable Energy & Infrastructure Technology Limited, (MAHAPREIT)

(Subsidiary of MPBCDC, a Government of Maharashtra undertaking)

Invites

Expression of Interest (EoI)

For

Selection of Technology Suppliers for Green Hydrogen, SAF and Allied Green Products under RE Vertical

EoI No: MAHAPREIT/CGM-BIOFUELS/SAF/TS/EoI-1/2026

Date: 01/09/2026

Issued by: -

The Mahatma Phule Renewable Energy & Infrastructure Technology Limited, (MAHAPREIT)

Pinnacle Corporate Park B-501, Next to Trade Center, Bandra Kurla Complex, Bandra East, Mumbai 400051.

https://mahapreit.in

Time Schedule for EoI

Sr.No	Particulars	Details
1	EoI No.	MAHAPREIT/CGM-BIOFUELS/SAF/TS/EoI-1/2026
2	Project name	Expression of Interest (EoI) for Selection of Technology Suppliers for Green Hydrogen, SAF and Allied Green Products under RE Vertical
3	Cost of EoI Document (Non-Refundable)	Rs. 25,000/- **(+18% GST)**
4	Earnest Money Deposit (Refundable in case applicant found not qualified)	Rs. 20,00,000/- (Rupees Twenty lakhs Only)
5	Tender Processing fee (non-refundable)	Rs. 5,00,000/- **(+18% GST)** (Rupees Five Lakhs Only+GST)
6	Security Deposit	3% of the work order value
7	Start Date for downloading the EoI	01/09/2026
8	Last date of Submission of proposals in response to EoI	19/09/2026 at 15.00 Hrs
9	Pre-Bid meeting	11/09/2026 at 14:00Hrs
10	Time and date of Opening of EoI	19/09/2026 at 16.00 Hrs
11	Contact No. in case of any queries.	Contact No. 022-69214400
12	Email Id for clarification of EoI	cgm.biofuels@mahapreit.in / ae.resco2@mahapreit.in

Background

Mahatma Phule Renewable Energy and Infrastructure Technology Limited (MAHAPREIT), a subsidiary of Mahatma Phule Backward Class Development Corporation (MPBCDC), intends to invite Expression of Interest (EOI) from eligible technology suppliers, technology providers, technology licensors, EPC partners, project developers, feedstock suppliers/aggregators, institutions, consortiums, strategic investors and sector experts for identification and empanelment of suitable entities for commercially viable projects in Green Hydrogen, Sustainable Aviation Fuel (SAF), e-Fuels, biofuels and allied green products under its RE Vertical across PAN INDIA.

The EOI aims to identify suitable technologies and assess the availability of sustainable feedstocks within Maharashtra and adjoining States for development of projects covering Green Methanol, Green Ethanol, Green Hydrogen, Green Ammonia, SAF and other downstream and value-chain opportunities, under EPC, Technology Licensing, Joint Venture (JV), BOO/BOOT, RESCO or other mutually agreed models.

The initiative is aligned with the emerging opportunities arising from India's Green Hydrogen Mission and broader decarbonization efforts towards development of clean fuels, alternative energy systems and low-carbon industrial infrastructure.

1. MAHAPREIT Information: -

a. Mahatma Phule Renewable Energy and Infrastructure Technology Limited (MAHAPREIT) was incorporated in April 2021 as a wholly owned subsidiary of Mahatma Phule Backward Class Development Corporation (MPBCDC) with the objective of undertaking activities in the fields of Renewable Energy, green technologies and infrastructure. The Government of Maharashtra, vide Government Resolution dated 10th July 2023, permitted MAHAPREIT to undertake Renewable Energy, Green Energy and infrastructure projects on Government-to-Government (G2G) basis, as per applicable Government policies and directives.

b. MAHAPREIT has objectives to establish and carry on the business of generating, trading, operating, leasing and renting Renewable Energy projects, mainly including Solar Power Projects, Solar Parks, associated substations and transmission infrastructure, on ownership, Build-Own-Transfer (BOT) or other suitable project implementation models. Further, MAHAPREIT undertakes activities relating to decarbonization and energy efficiency, energy storage solutions, alternative fuel technologies and climate change initiatives in accordance with applicable policies, schemes, guidelines and directions of the Government of India, its Ministries / Departments / PSUs and the Government of Maharashtra, as amended from time to time, together with all incidental and allied activities required for such business.

c. MAHAPREIT's Expected Role

MAHAPREIT may facilitate and support the development of identified green hydrogen, SAF, biofuels and allied green product projects, subject to project-specific feasibility, approvals, commercial viability and applicable policies and regulations. The envisaged role of MAHAPREIT may include, but is not limited to, the following:

- Identification and development of suitable projects in collaboration with prospective applicants, technology providers, project developers and other stakeholders.
- Facilitation of land and renewable power arrangements, wherever feasible and subject to availability and applicable approvals.
- Facilitation of feedstock aggregation and coordination with relevant Government departments, agencies, local bodies and other stakeholders.
- Facilitation of statutory approvals, clearances and project structuring, within the applicable institutional and regulatory framework.
- Facilitation of SPV/JV formation and support towards financial closure, as may be mutually agreed on a project-specific basis.
- Facilitation of potential off-take arrangements and exploration of carbon-credit and other environmental attribute opportunities.
- Coordination with relevant financial institutions, Government agencies and other stakeholders for project development and implementation.

d. Objectives of EOI: -

(i) Identification of proven, commercially viable and scalable technologies.
(ii) Assessment of technology readiness, scalability, bankability and operating references.
(iii) Identification and mapping of available sustainable feedstocks.
(iv) Development of integrated Feedstock → Conversion → Green Product → Off-take value chains.
(v) Identification of technology providers capable of providing technology licensing, EPC, O&M and performance guarantees.
(vi) Development of project concepts with indicative CAPEX, OPEX, production cost and project returns.
(vii) Facilitation of investment and project development in Maharashtra.

e. Technology Areas: -

(i) **Green Hydrogen:** Alkaline, PEM, AEM and Solid Oxide Electrolysers; compression, purification, storage and dispensing.
(ii) **Sustainable Aviation Fuel (SAF):** HEFA, Alcohol-to-Jet (ATJ), Fischer-Tropsch (FT), Power-to-Liquid (PtL/e-SAF) and biomass/waste-to-SAF.

(iii) **Allied Green Products:** Green/E-Methanol, Green Ammonia, Bio-CNG/Biomethane, Bio-CO_2, Green Ethanol, Green Diesel, synthetic fuels and Carbon Capture, Utilization and Storage (CCUS).

f) NAVYUG SCHEME: -

MAHAPREIT implements "NAVYUG SCHEME" to get the integrated, inclusive and comprehensive effects of all the input supports of MAHAPREIT company to the target beneficiaries of MPBCDC Limited as defined from time to time by Govt of Maharashtra.

MAHAPREIT undertakes such projects under different verticals like –

(i) Renewable Energy with Solar Power, hybrid and RE centric Projects.
(ii) ESCO model Energy saving Scheme for ULB & Govt of Maharashtra agencies.
(iii) Agro Processing Value Chain and Biofuels.
(iv) Affordable Housing, ARHS and schemes under MoUHA, GoI under EWS and PMAY.
(v) Highway and Infrastructure Projects.
(vi) Environment and Climate Change.
(vii) New and Emerging Technology Projects especially in Green Hydrogen, Futuristic Energy Integration Projects.
(viii) Software Technology and Application-Based Services and CSR Projects.

2. Emerging Technology Areas in Renewable Energy (ETARE) – Green Hydrogen & Biofuels

i) Introduction and Importance of ETARE – GHBF:

Emerging renewable energy technologies—such as grid-scale battery storage, green hydrogen, and advanced solar cells—are foundational to the national economy. They drive gross domestic product (GDP) growth, reduce reliance on imported fossil fuels, create green jobs, and ensure long-term industrial competitiveness in the global market.

2.1. Energy Security and Macroeconomic Stability

i) **Price Volatility Shield:** Adopting next-generation renewable technologies insulates a nation's economy from the unpredictable global price swings of imported oil and gas.

ii) **Trade Balance:** Generating power domestically through renewable sources reduces the national import bill, keeping capital within the domestic economy and stabilizing the local currency.

2.2. Job Creation and Human Capital Development

i) **Manufacturing and R&D:** Emerging sectors demand a highly skilled workforce, pushing economies to invest in local STEM education, research centres, and manufacturing pipelines.

ii) **Employment Multipliers:** The renewable value chain, spanning equipment manufacturing, installation, operations, and maintenance, creates significant employment opportunities and supports development of skilled human capital.

2.3. Industrial Competitiveness and Investment Attraction

i) **Attracting Foreign Direct Investment (FDI):** Global capital actively targets markets that are aggressively advancing in clean technologies like hydrogen and advanced energy storage.

ii) **Corporate Sustainability:** Multinational corporations increasingly require access to reliable green energy. Developing scalable, advanced renewable technologies is essential to support technology-intensive industries and advanced manufacturing facilities.

2.4. Innovation and Technology Export Opportunities

i) **Intellectual Property:** Countries that lead in patents for cutting-edge technologies can develop exportable solutions and become dominant players in the global green economy.

ii) **Circular Economy:** Developing domestic recycling and remanufacturing technologies for renewable energy equipment establishes new sustainable secondary industries.

2.5. Mitigating Climate-Related Economic Damages

i) **Reduced Healthcare Costs:** Transitioning to clean, non-combustion energy sources reduces air and water pollution and associated economic and healthcare burdens.

ii) **Disaster Avoidance:** By lowering greenhouse gas (GHG) emissions, investments in new green technologies support protection of the national economy against financial losses associated with extreme weather events and climate-induced disruptions.

2.6. Commitment under COP Decarbonization Initiatives

The commitments under COP decarbonization initiatives are primarily driven by Nationally Determined Contributions (NDCs) under the Paris Agreement and bolstered by voluntary sectoral pledges. These commitments mandate actionable, measurable, and progressive steps by signatory countries and businesses to reduce greenhouse gas emissions and transition to sustainable energy systems.

The key pillars of COP decarbonization commitments include:

i) **Emissions Reduction & Net-Zero:** Nations commit to economy-wide emission reductions and transition towards net-zero emissions.

ii) **Renewable Energy Targets:** A primary commitment is to scale up renewable energy capacity and reduce dependence on fossil fuels.

iii) **Energy Storage & Grid Pledges:** Global decarbonization initiatives emphasize deployment of energy storage systems and strengthening of transmission and distribution infrastructure.

iv) **Sector-Specific Breakthroughs:** Sectoral decarbonization initiatives promote near-zero and zero-emission technologies across transportation, industry, buildings and other major sectors.

v) **Voluntary Corporate Commitments:** Non-state actors, including major industries and financial institutions, are increasingly mobilized through global initiatives requiring science-based emission-reduction roadmaps.

2.7. Domestic Economic Perspective with Respect to Energy Security

India's dependence on imported fossil fuels exposes the domestic economy to fluctuations in international energy prices, geopolitical developments and disruptions in global supply chains. Development and deployment of indigenous renewable energy and green fuel technologies can contribute towards strengthening India's energy security and reducing dependence on imported fossil fuels.

The adoption of Green Hydrogen, Sustainable Aviation Fuel (SAF), Green Methanol, Green Ammonia, Green Ethanol and other allied green products can support diversification of the domestic energy mix, development of new industrial value chains and reduction of carbon emissions.

a) **Energy Security and Import Reduction**

i) Development of domestic green fuel technologies can reduce dependence on imported fossil fuels and provide an alternative pathway for hard-to-abate sectors.

ii) Indigenous technology development and deployment can support long-term energy security and reduce exposure to international fuel price volatility.

b) **Technology Development and Industrial Growth**

i) Deployment of emerging green technologies can support domestic manufacturing, research and development, technology adoption and creation of new industrial ecosystems.

ii) Development of commercially viable technologies can facilitate investment and expansion of green fuel projects across India.

c) **Supply Chain and Technology Resilience**

i) Availability of proven and reliable technologies is essential for development of scalable Green Hydrogen, SAF and allied green product projects.

ii) Association with competent technology suppliers can support development of efficient, commercially viable and technically sustainable projects.

d) **Decarbonization and Sustainable Development**

i) Green Hydrogen, SAF and allied green products can contribute towards reduction of greenhouse gas emissions and decarbonization of hard-to-abate sectors.

ii) Adoption of advanced and efficient technologies can support India's long-term clean energy and decarbonization objectives.

3. National Policy Framework for ETARE – Green Hydrogen & Biofuels: -

Launched in January 2023, the National Green Hydrogen Mission has an initial outlay of Rs. 19,744 crore till Financial Year 2029-30. This includes Rs. 17,490 crore for the Strategic Interventions for Green Hydrogen Transition (SIGHT) programme, Rs. 1,466 crore for pilot projects, Rs. 400 crore for research and development (R&D), and Rs. 388 crore towards other Mission components.

The Mission focuses on four key pillars, including policy and regulatory framework, demand creation, research and development & innovation, and enabling infrastructure and ecosystem development — aimed at positioning India as a global hub for green hydrogen production, use, and export.

The overarching target is to produce at least 5 million metric tonnes (MMT) annually by 2030, supported by 125 GW of associated renewable energy capacity. The comprehensive policy and regulatory framework revolve around the following core pillars:

3.1. Financial

Incentives (SIGHT Programme)

The Strategic Interventions for Green Hydrogen Transition (SIGHT) programme acts as the primary financial catalyst, featuring two main mechanisms:

i) **Electrolyser Manufacturing:** Direct financial incentives for scaling up the domestic manufacturing of electrolysers.

ii) **Green Hydrogen Production:** Direct incentives to support production of Green Hydrogen and promote reduction in production costs.

3.2. Infrastructure & Open Access Framework

India's Green Hydrogen Policy outlines clear transmission and banking benefits for producers:

i) **Open Access:** Producers are granted open access for sourcing renewable energy, with approvals processed within stipulated timelines.

ii) **Transmission Charges:** Waiver of inter-state transmission system (ISTS) charges for eligible projects commissioned within the stipulated deadlines.

iii) **Energy Banking:** Manufacturers are permitted to bank unconsumed surplus renewable power with distribution companies as per applicable provisions.

3.3. Standards & Certification

To ensure quality, transparency, and global market compliance, the regulatory framework includes the Green Hydrogen Certification Scheme of India (GHCI).

i) Administered by the Bureau of Energy Efficiency (BEE), the national certification framework provides for assessment and certification of Green Hydrogen in accordance with applicable standards.

ii) Certification requirements shall be applicable to Green Hydrogen producers and other entities as prescribed under the prevailing regulations and guidelines.

3.4. Infrastructure & "Green Hydrogen Hubs"

The Government is facilitating the development of integrated supply chains, including pipelines, storage facilities, transportation and port bunkering infrastructure. Specific geographic regions capable of supporting large-scale production and utilization are being developed as Green Hydrogen Hubs.

3.5. Research & Ease of Doing Business

i) **Research & Development:** The Strategic Hydrogen Innovation Partnership (SHIP) promotes public-private partnerships to advance competitive and indigenous green hydrogen technologies.

ii) **Ease of Doing Business:** The framework seeks to streamline statutory clearances and facilitate time-bound approvals for new projects.

In short, the national policy for Green Hydrogen has the following objectives: -

i) India aims to become a global Green Hydrogen hub.

ii) Target: 5 MMT Green Hydrogen production by 2030.

iii) Reduce fossil fuel imports and carbon emissions.

iv) Promote Green Hydrogen use in refineries, fertilizers, steel, transport, shipping, and aviation.

v) Develop domestic electrolyser manufacturing.

vi) Support renewable energy, storage, pipelines, and hydrogen hubs.

vii) Encourage decentralized and biomass-based hydrogen production.

viii) Mission implemented in phases as per the prevailing policy framework.

ix) Provide financial incentives under the SIGHT programme.

x) Focus on R&D, exports, regulations, technology development and skill development.

3.6 National Policy Framework for Biofuels: -

The National Policy on Biofuels framework in India drives sustainable energy use, targeting reduced crude oil imports, decreased greenhouse gas emissions, and waste-to-wealth creation. Governed by the Ministry of Petroleum and Natural Gas, it facilitates widespread alternative fuel integration, notably through mandatory blending and applicable feedstock categorization.

I) Categorization & Feedstock Expansion: -

The framework classifies biofuels to determine applicable fiscal incentives and technological support:

i) **Basic Biofuels:** First-generation (1G) bioethanol and biodiesel.

ii) **Advanced Biofuels:** Second-generation (2G) ethanol, municipal solid waste (MSW) to drop-in fuels, and third-generation (3G) biofuels.

The policy permits an expanded range of feedstocks, allowing farmers and producers to use eligible surplus food grains and other approved feedstocks for biofuel production, subject to applicable policy provisions.

3.7 Potential Feedstocks Available / To Be Assessed

Potential Feedstock	Potential Green Product
Agricultural residues	SAF / FT fuels / Bio-CNG
Sugarcane bagasse	Biofuels / SAF / Green products
Sugarcane press mud	Bio-CNG / Biofertilizer
Rice straw / rice husk	SAF / Bio-CNG / Bioenergy
Cotton stalk	SAF / Biofuels / Bio-CNG
Soybean / maize residues	Biofuels / Bio-CNG / Ethanol
Fruit & vegetable waste	Bio-CNG / Bio-CO_2
Apple pomace	Bio-CNG / Bio-CO_2 / Biofertilizer
Distillery spent wash	Bio-CNG / Biogas
Dairy waste / cattle dung	Biogas / Bio-CNG
Poultry waste	Biogas / Bio-CNG
Municipal organic waste	Bio-CNG / SAF
MSW / RDF fraction	SAF / FT fuels

Used cooking oil (UCO)	HEFA SAF / Biodiesel
Waste oils & fats	HEFA SAF
Industrial organic waste	Bio-CNG / SAF
STP sludge	Biogas / Bio-CNG
Captured CO_2	E-Methanol / e-SAF
Renewable power	Green Hydrogen / e-Fuels

3.8 Feedstock Information to be Provided

For each identified feedstock, the following information shall be provided, as applicable:

- Type, location and annual quantity available.
- Seasonality, current utilization and proposed aggregation mechanism.
- Feedstock quality parameters, including moisture content, calorific value, organic matter/volatile solids and contamination levels, as applicable.
- Current market price, expected delivered price and transportation cost.
- Existing supply commitments and long-term availability.
- Ownership/availability rights and proposed supply period.
- Minimum guaranteed quantity and proposed commercial arrangement.

a) Ethanol Blending Program (EBP): -

A central pillar of the framework is integrating ethanol into fossil fuels. With the 2022 amendments, the target date to achieve 20% ethanol blending in petrol (E20) was advanced to 2025–26. The programme supports reduction in dependence on petroleum imports and promotes development of the domestic biofuel sector.

b) Financial and Institutional Support: -

i) **The National Biofuel Coordination Committee (NBCC):** Oversees policy integration and matters relating to the availability and use of feedstocks for biofuel production, subject to applicable national food security considerations.

ii) **Pradhan Mantri JI-VAN Yojana:** A specific scheme providing financial support for commercial 2G bio-ethanol projects using lignocellulosic biomass.

iii) **Price Mechanisms:** The policy provides applicable pricing and procurement mechanisms to promote biofuel production and support the development of associated agricultural and rural value chains.

4. MAHAPREIT's Dedicated Efforts for Early Move in ETARE Technologies and Project Implementations: -

i) Development of Solar, Wind & Hybrid Renewable Energy projects for RE source Green Hydrogen & Green Ammonia developments for steel and fertilizer industries.

ii) Bio-CNG & Waste-to-Energy project development.

iii) Promotion of clean mobility, EV infrastructure & sustainable green infrastructure.

iv) Collaboration with Research Institute Like TERI, financial institutions & government agencies.

v) Contribution towards decarbonization and energy transition.

(a) Identification and Association with Technology Suppliers in ETARE – Green Hydrogen & Biofuels

MAHAPREIT intends to identify and associate with competent and experienced technology suppliers for development and implementation of projects in ETARE – Green Hydrogen & Biofuels, including:

i) Green Methanol / Ethanol / Green Hydrogen / Ammonia / Fertilizers

iii) Sustainable Aviation Fuel (SAF)

iv) Any other critical / missing link product in Green H2 and Biofuels products chain for commercial, scalable production cycle.

(b) Technology Evaluation and Project Implementation Support

MAHAPREIT may evaluate suitable technologies and technology suppliers based on their technical capabilities, experience, technology maturity, commercial viability, scalability and suitability for project implementation, as per the requirements of individual projects.

The identified technology suppliers may be considered for association with MAHAPREIT for development and implementation of ETARE projects, subject to applicable terms, conditions and project-specific requirements.

4.1 Indicative Project Sizes

Project	Indicative Capacities
Green Hydrogen	1, 5, 10, 25, 50, 100 TPD and above
SAF	10, 25, 50, 100, 250 KTPA and above

5. Scope of MAHAPREIT under ETARE-GHyB: -

i. Coordination with financial institutions, fertilizer companies, transport Sectors, OMCs & Government agencies for development of ETARE-GHyB projects.

ii. Facilitation and support for ETARE & Green Hydrogen project development and implementation.

iii. Identification and association with suitable technology suppliers for Green Hydrogen, SAF and allied Green Products.

iv. Facilitation of suitable technology solutions for commercial and scalable project development.

6. Scope of Work for Technology Suppliers: -

The Scope of Work to be undertaken by the selected Technology Supplier under this Expression of Interest (EOI) broadly consists of the following: -

i. The selected Technology Supplier shall provide suitable technology solutions for ETARE – Green Hydrogen & Biofuels (GHyB) projects undertaken by applicants / project proponents and/or their SPVs across PAN INDIA.

ii. The Technology Supplier shall provide suitable and proven technology solutions for projects related to Green Hydrogen, Green Ammonia, Green Methanol, Green Ethanol, Sustainable Aviation Fuel (SAF), Biofuels and other emerging clean energy technologies.

iii. The selected Technology Supplier shall provide technical information, process know-how, technology specifications, plant configuration, capacity details, performance parameters and other technical inputs required for project development.

iv. The Technology Supplier shall support MAHAPREIT and/or the project proponent in technical evaluation, technology selection, project configuration and implementation of the proposed ETARE – GHyB projects.

v. The Technology Supplier shall provide details of technology maturity, commercial operation experience, reference projects, scalability, efficiency, feedstock requirements, utility requirements and applicable technical standards.

vi. The Technology Supplier shall provide technical support during project development, engineering, procurement, installation, commissioning and stabilization of the technology, as may be required under the project-specific requirements.

vii. The Technology Supplier shall provide applicable performance guarantees, warranties, after-sales support, operation and maintenance requirements and other technical commitments associated with the proposed technology.

viii. The Technology Supplier shall support integration of the proposed technology with renewable energy sources, feedstock systems, utilities, storage, transportation and other associated infrastructure, wherever applicable.

ix. The Technology Supplier shall provide information regarding applicable statutory, regulatory, environmental, safety, certification and quality requirements associated with the proposed technology.

x. The Technology Supplier shall facilitate technology transfer, training and knowledge sharing, wherever applicable, for successful implementation and operation of the project.

xi. The Technology Supplier shall provide technical and commercial inputs required for preparation of feasibility studies, DPRs, project cost estimates and financial assessment, wherever applicable.

xii. The Technology Supplier shall coordinate with MAHAPREIT, project proponents, EPC agencies, OEMs, financial institutions, Government agencies and other stakeholders, as may be required for successful development and implementation of the project.

xiii. The Technology Supplier shall provide details of the proposed technology's production capacity, expected output, energy consumption, feedstock consumption, emissions profile and other relevant technical and operational parameters.

xiv. The Technology Supplier shall support development of commercially viable, scalable and sustainable projects in accordance with applicable Government of India and Government of Maharashtra policies, schemes, standards and guidelines.

xv. The scope may also include any other technical, technology-related or allied activities required for successful development and implementation of Green Hydrogen, SAF and allied Green Products projects, as may be mutually agreed between MAHAPREIT and the selected Technology Supplier.

7. Technology Supplier – Commercial Terms: -

The fees / charges payable to the selected Technology Supplier for technology supply, technology licensing, technology transfer, technical support and other associated services for implementation of ETARE – Green Hydrogen, Green Ammonia, Green Methanol, Green Ethanol, Sustainable Aviation Fuel (SAF), Biofuels and other emerging clean energy technologies shall be proposed by the Technology Supplier and finalized on a project-specific basis.

The Technology Supplier shall submit its commercial proposal indicating the applicable fees / charges and payment milestones for the following, as applicable:

Sr. No.	Particulars	Fee / Charges
1	Technology Supply / Technology Licensing	To be quoted by Technology Supplier
2	Technology Transfer / Process Know-how	To be quoted by Technology Supplier
3	Engineering / Technical Design Support	To be quoted by Technology Supplier
4	Equipment / Plant & Machinery / OEM Support	To be quoted by Technology Supplier
5	Installation, Commissioning & Start-up Support	To be quoted by Technology Supplier
6	Performance Testing & Technical Support	To be quoted by Technology Supplier
7	Training, Operation & Maintenance Support	To be quoted by Technology Supplier
8	Warranty / After-Sales Technical Support	To be quoted by Technology Supplier

7.1 Technology Provider – Information Required

Technology providers shall furnish the following information for the proposed technology/pathway, as applicable:

7.2 Technical Information

- Company profile, technology ownership and detailed technology description.
- Technology Readiness Level (TRL), commercialization status and operating references.
- Process Flow Diagram (PFD), process description and mass and energy balance.
- Plant capacity, product yield and specific energy consumption.
- Feedstock, water, power and other utility requirements.
- Product specifications, emission profile and applicable certifications/standards.
- Plant availability, technology warranty and performance guarantees.
- Details of major equipment, critical process parameters and key technology interfaces.
- Details of existing commercial plants, including capacity, location, commissioning year and operating performance, wherever applicable.

7.3 Commercial Information

- Indicative CAPEX and OPEX, including equipment-wise/major package-wise breakup.
- Technology licence fee, royalty, EPC cost and Operation & Maintenance (O&M) cost.
- Spare parts, consumables and lifecycle costs.
- Warranty period, performance guarantees and applicable Liquidated Damages (LD) provisions.
- Financing support, vendor credit or other financing arrangements, if available.
- Proposed business model and indicative unit production cost of the green product.
- Indicative implementation schedule and major project milestones.
- Indicative commercial terms and key assumptions considered for the proposed technology.

7.4 Brief Technical & Commercial Conditions

The following technical and commercial conditions are indicative and may be further detailed, modified or incorporated into project-specific agreements, EPC contracts, technology license agreements, O&M agreements or other definitive documents, as applicable:

- The proposed technology shall preferably be proven, commercially established and scalable, with demonstrated operating references.
- The applicant shall provide indicative and/or guaranteed parameters for production capacity, product yield, efficiency, specific energy consumption, plant availability and product quality, as applicable.
- Clear battery limits and scope boundaries shall be specified for the technology package, EPC works, equipment supply, installation, commissioning, performance testing and associated utilities.
- A minimum two-year warranty period after commissioning is preferred, along with provision for long-term operation and maintenance (O&M) support.

- CAPEX and OPEX estimates shall clearly identify applicable taxes, duties, freight, installation, commissioning, consumables, maintenance and other relevant cost assumptions.
- Payment terms, where applicable, may be structured on a milestone basis linked to engineering, equipment supply, erection/installation, commissioning and performance testing.
- Liquidated Damages (LD) provisions may be considered for delay and/or failure to achieve agreed guaranteed technical performance parameters, subject to the terms of the definitive project agreement.
- Ownership, allocation and commercial rights relating to carbon credits, renewable energy attributes, environmental attributes and other green attributes shall be clearly defined and agreed on a project-specific basis.
- All applicable statutory, environmental, health and safety, quality, product certification and other regulatory requirements shall be complied with.
- Preference may be given to indigenous technologies, local manufacturing capabilities and applicants having adequate Indian technical support, service infrastructure and availability of spares.

7.5 Technology Performance Requirements

The proposed technology should, preferably, meet the following requirements:

- Preferably Technology Readiness Level (TRL) 8 or 9, or commercially proven technology with successful operating references.
- Demonstrated and/or contractually guaranteed product yield, specific energy consumption and plant availability.
- Ability to scale up and operate reliably using locally available feedstock and utilities.
- Compatibility with the identified feedstock characteristics and proposed production pathway.
- Compliance with applicable Indian and international technical, environmental, safety and product standards.
- For Sustainable Aviation Fuel (SAF), compatibility with the applicable ASTM, ICAO and CORSIA requirements, as well as relevant Indian regulations and certification requirements.
- Demonstrated potential for reliable long-term operation, maintainability and performance under Indian operating conditions.
- Preference may be given to technologies having proven commercial operation and verifiable performance data.

7.6 Feedstock Security

For biomass- and waste-based projects, applicants should demonstrate, wherever feasible, the availability and security of feedstock over the proposed project life, preferably for a period of 10–15 years. Applicants may provide supporting documents, wherever available, including MoUs, supply agreements, aggregation agreements, farmer/FPO arrangements, sugar mill agreements, municipal arrangements, industrial waste supply agreements or other relevant arrangements demonstrating the availability and continuity of feedstock supply. The submission should, wherever applicable, indicate the estimated annual quantity, duration of availability, geographical source, aggregation mechanism and proposed commercial terms.

7.7 Off-take

Applicants may provide details of existing and/or potential off-takers for Green Hydrogen, Sustainable Aviation Fuel (SAF), Green Methanol, Green Ammonia, Bio-CNG, Bio-CO_2, green chemicals and associated carbon attributes. Applicants may submit supporting documents, wherever available, including Letters of Intent (LOIs), MoUs, offtake agreements, expressions of interest or other relevant documents demonstrating potential market demand and commercialization prospects for the proposed products.

7.8 Financial Information

Applicants shall provide the following indicative financial and project parameters for the proposed project/technology pathway. The information should be supported by relevant assumptions and calculations, wherever applicable.

Parameter	Information Required
Project Capacity	To be provided by Applicant
Feedstock Requirement	To be provided by Applicant
Product Output	To be provided by Applicant
CAPEX (₹ Crore)	To be provided by Applicant
OPEX (₹/kg or ₹/tonne)	To be provided by Applicant
Product Cost	To be provided by Applicant
Expected Selling Price	To be provided by Applicant
EBITDA	To be provided by Applicant
Project IRR	To be provided by Applicant
Equity IRR	To be provided by Applicant
Payback Period	To be provided by Applicant
DSCR	To be provided by Applicant
Carbon Revenue	To be provided by Applicant
Subsidy / Incentive	To be provided by Applicant

7.9 Disclaimer

Submission of EOI shall not constitute any commitment by MAHAPREIT to award a contract, purchase technology, procure feedstock or develop a project. MAHAPREIT reserves the right to shortlist applicants, seek additional information, conduct technical/commercial due diligence and negotiate suitable project structures.

8. Payment Conditions: -

Payment towards technology supply / licensing and associated services shall be made by MAHAPREIT / project proponent, as applicable, on mutually agreed terms and conditions and as per the milestones specified in the respective agreement / work order.

9. Qualifying Conditions: -

(i) The applicant shall be a **Technology Supplier / Technology Provider / Technology Developer / OEM / Manufacturer / Institution / Consortium** having relevant technology capabilities in Emerging Technology Areas in Renewable Energy (ETARE) – Green Hydrogen & Biofuels (GHyB) across PAN INDIA.
(ii) The applicant shall give a declaration that they have not been blacklisted by any Central / State Government Organization / PSU in India.
(iii) The applicant having prior experience in development, supply, deployment or commercial operation of relevant technologies in Green Hydrogen, SAF, Biofuels and allied Green Products will be preferable.
(iv) The applicant shall give a presentation to demonstrate the proposed technology, technical capabilities, commercial readiness, scalability and relevant project experience.

10. Qualification Criteria:

10.1 Eligible Organizations

The Applicant may be any of the following entities:

(i) Central Government Organization
(ii) State Government Organization
(iii) Public Sector Undertaking (PSU)
(iv) Government Agency / Nodal Agency in the relevant technology / product / offtake sector.
(v) Research Institution / Technical Institute
(vi) Technology Supplier / Technology Provider / Technology Developer / OEM / Manufacturer having relevant technology in Green Hydrogen & Biofuels (GHyB).
(vii) Agencies having LOI from State Government, Government of India and PSU for technologies / products such as Green Hydrogen, Green Ammonia, Green Methanol,

Green Ethanol, Sustainable Aviation Fuel (SAF), Biofuels and other emerging clean energy technologies.

(viii) Consortiums having relevant technical capabilities and experience in the above-mentioned technology areas.

10.2. Minimum Qualification Requirements

Sr. No.	Criteria	Requirement
1	**Organization Status**	Registered entity under applicable laws of India.
2	**Technology Expertise**	Availability of qualified technical experts and demonstrated capability in Green Hydrogen, SAF, Biofuels and allied Green Products technologies.
3	**Technology Experience**	Prior experience in development, supply, deployment or commercial operation of relevant technology / technology solutions.
4	**Financial Standing**	Audited financial statements for last three years with positive net worth. This condition may be relaxed for Government Organizations, PSUs, Research Institutions / Technical Institutes and entities having applicable Government / PSU association or MoU.
5	**Hydrogen Technology Business Turnover**	Applicants having multiple service verticals shall demonstrate that at least 10% of their total annual turnover, or a minimum of INR 100 Lakhs (₹1 Crore), whichever is applicable as specified in the EOI, is derived from hydrogen-based technologies business. The Applicant shall submit audited financial statements / CA-certified turnover details and documentary evidence establishing turnover from hydrogen-based technologies.
6	**Start-up Eligibility**	For Start-up companies, the above turnover criterion may be relaxed. Such applicants shall demonstrate at least one working order / purchase order / work order for a Renewable Energy based project, including Electricity and/or Biomass based projects. Start-ups shall submit the relevant work order, agreement, letter of award or equivalent documentary evidence along with details of project capacity, technology, client and current execution status.
7	**Due Diligence**	MAHAPREIT may seek additional documents for technical, commercial and financial due diligence.

10.3. EOI Evaluation Criteria

Criteria	Indicative Weightage	Remarks
Technology maturity & proven references	20%	Commercial references preferred
Technical performance	15%	Yield, energy consumption, availability
Feedstock availability/security	15%	Quantity, quality, duration
CAPEX/OPEX competitiveness	15%	Indicative project economics
Product quality & certification	10%	Applicable standards
Financial strength	10%	Bankability
Indian experience/localisation	5%	Local support
O&M & warranty support	5%	Lifecycle support
Scalability	5%	Modular/expansion capability

10.4 Letter of Intent (LOI)

The successful applicant shall be issued a Letter of Intent (LOI) by MAHAPREIT in due course of time. The successful applicant shall communicate its acceptance of the LOI within **two weeks** from the date of issuance of such LOI.

Failure to communicate acceptance within the stipulated period may result in cancellation of the LOI.

10.5 Performance Bank Guarantee (PBG)

The successful Technology Supplier shall furnish Performance Bank Guarantee (PBG), wherever applicable, as specified in the LOI / Agreement / Work Order issued by MAHAPREIT.

Sr. No.	Particulars	Amount
1	Performance Bank Guarantee (PBG)	As specified in the LOI / Agreement / Work Order

11. Exit and / or Termination of MOU / LOI / Work Order / Agreement: -

(A) Exit Management: -

11.1 Purpose

a) This Schedule sets out the provisions which will apply on expiry or termination of the MOU / LOI / Work Order / Agreement entered into between MAHAPREIT and the selected Technology Supplier.

b) In the case of termination of the technology supply, licensing, implementation or technical support arrangement, the Parties shall agree at that time whether, and if so during what period, the provisions of this Schedule shall apply, as may be mentioned in the respective Agreement.

c) The Parties shall ensure that their respective associated entities carry out their respective obligations set out in this Exit Management clause, as mentioned in the respective Agreement.

d) In case the Agreement is terminated by MAHAPREIT, the Technology Supplier shall provide reasonable transition and technical support, as may be required by MAHAPREIT, for an agreed period to facilitate orderly transfer of technology-related information, documents and ongoing activities.

(B) Termination of LOI: -

MAHAPREIT may, by giving not less than thirty (30) days' written notice of termination to the selected Technology Supplier, terminate the LOI upon the occurrence of any of the following events: -

i) If the selected Technology Supplier fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice issued by MAHAPREIT, within thirty (30) days of receipt of such notice or within such further period as MAHAPREIT may have subsequently approved in writing; or

ii) If the selected Technology Supplier becomes insolvent or bankrupt or enters into any agreement with its creditors for relief of debt or takes advantage of any law for the benefit of debtors or goes into liquidation or receivership, whether compulsory or voluntary; or

iii) If MAHAPREIT finds that the selected Technology Supplier has provided false or incorrect information while submitting the EoI; or

iv) If the selected Technology Supplier submits to MAHAPREIT any statement or information which is false or materially misleading and has an effect on the rights, obligations or interests of MAHAPREIT; or

v) If, as a result of a Force Majeure Event, the selected Technology Supplier is unable to perform its obligations for a period of not less than sixty (60) days; or

vi) If MAHAPREIT finds any defect, inadequacy, error, inability or non-competency in the selected Technology Supplier in relation to the performance of its obligations which are not in accordance with Good Industry Practices or the provisions of this EoI; or

vii) If MAHAPREIT, in its own discretion and for any reason whatsoever, decides to terminate the LOI.

11.2 The Bidder Shall Submit Documents Listed Below (Along with Technical Documents):

i. EoI fee, EMD fee and Processing Fee payment receipts.

ii. Company compliance documents required.

iii. Copy of Power of Attorney authorizing representative to act on behalf of the firm.

iv. All documents required to be submitted shall be self-attested and, if required, original copies shall be made available for verification in due course.

v. Undertaking duly signed on letterhead of the firm.

vi. Signed and scanned copy of all pages of EoI documents.

vii. The bidder has to submit all documents with an authorized signature and company stamp. Documents without authorized signatures and stamps will not be accepted.

viii. Scanned copies of ANNEXURES (Duly Signed and Affixed with Firm Seal).

ix. Relevant supporting documents issued by the Competent Authority must be uploaded for all information given in the prescribed proforma.

12. Period of Engagement:

i. The selected Technology Supplier may be engaged with MAHAPREIT for a period as specified in the Work Order / Agreement for implementation of ETARE – Green Hydrogen & Biofuels (GHyB) projects, as may be mutually agreed between MAHAPREIT and the Technology Supplier.

ii. MAHAPREIT may discontinue / modify the engagement by providing three (3) months prior written notice, subject to the terms and conditions of the respective Agreement / Work Order.

13. Terms and Conditions for EoI: -

The interested bidders may submit their proposals to MAHAPREIT in online mode through the designated e-Tendering portal.

i. The EOI documents shall be available on the designated e-Tendering portal and bidders shall download the EOI document from the said portal.

ii. The bidders may submit their queries / communications through email on the designated email ID of MAHAPREIT as mentioned in the EOI document.

iii. The last date of submission of proposal against this EOI shall be as mentioned in the EOI Notice / Tender Schedule.

iv. Completed proposals / documents shall be submitted online on the designated e-Tendering portal.

v. Incomplete forms / documents and proposals without necessary details and enclosures are liable to be rejected.

vi. The language for submission of documents shall be English.

vii. The enclosed Annexures / Formats shall be filled completely and wherever not applicable, it shall be clearly mentioned as “Not Applicable”.

viii. The person signing the proposal documents on behalf of the Applicant shall submit valid authorization / Power of Attorney wherever applicable.

ix. In case the Applicant intends to provide additional information for which sufficient space is not available in prescribed formats, the same may be furnished separately as annexure / enclosure.

x. All pages of the proposal document and annexures shall be signed by the authorized signatory and corrections, if any, shall be duly counter-signed. Overwriting shall not be permitted.

xi. MAHAPREIT reserves the right to verify and cross-check the information / details submitted by the applicants from concerned authorities or through any other suitable means.

xii. MAHAPREIT reserves the right to annul the EOI process or accept / reject any or all proposals, wholly or partly, at any stage without assigning any reason and without incurring any liability whatsoever.

xiii. Any proposal incomplete in any respect or without supporting documents shall be treated as non-responsive and liable for rejection.

xiv. The expenses incurred by the bidder in preparation and submission of proposal, participation in discussions / presentations / meetings or furnishing clarifications shall not be reimbursed by MAHAPREIT under any circumstances.

xv. If the proposal is submitted by an organization / company / consortium, the proposal shall be digitally signed by the authorized representative(s) holding valid authorization for submission of the proposal.

xvi. **REVISION OR AMENDMENT OF EOI DOCUMENTS:** MAHAPREIT reserves all rights to revise, amend, modify or extend the EOI document / schedule published on the e-Tendering portal prior to the submission deadline. Any further revisions, amendments, corrigendum or time extensions shall be communicated through the e-Tendering portal / e-mail as applicable.

xvii. **REFUND / CONVERSION OF EARNEST MONEY:** After acceptance of proposal of successful bidder(s), the EMD of unsuccessful bidders shall normally be refunded within reasonable period. In case of successful bidder(s), the Earnest Money Deposit may be converted into Security Deposit after execution / signing of Agreement / Contract documents. No interest shall be payable on EMD amount.

xviii. **CLARIFICATIONS:** The clarification(s), if any, may be sought separately from the Chief General Manager (Biofuels), MAHAPREIT, Mumbai, through the designated email ID mentioned in the EOI document.

xix. **CONDITIONAL OFFER:** Conditional offers shall be summarily rejected. The EOIs which do not fulfil any of the conditions and requirements laid down in this EOI document or are incomplete in any respect are liable to be rejected without assigning any reason thereof.

xx. **VALIDITY FOR 120 DAYS:** The offer shall remain valid for a period of 120 (One Hundred Twenty) days from the date of opening of proposals unless extended further by mutual consent. In case the offer is withdrawn during the validity period, appropriate action may be taken by MAHAPREIT as deemed fit.

xxi. **AMENDMENT OF EOI DOCUMENTS:** At any time prior to the deadline for submission of EOI, MAHAPREIT may, for any reason, whether at its own initiative or in response to clarification sought by prospective bidders, modify / amend the EOI documents. Such amendments / corrigendum shall form part of the EOI documents and shall be published on MAHAPREIT / e-Tendering portal website and shall be binding on all prospective bidders. All intending bidders are advised to regularly visit the website in their own interest.

xxii. **SIGNING OF AGREEMENT / CONTRACT:** The successful bidder shall furnish acceptance of Letter of Intent / Work Order within stipulated time as communicated by MAHAPREIT. The successful bidder shall execute / sign formal Agreement / Contract with MAHAPREIT and / or concerned SPV / project entity within prescribed period. All expenses towards preparation / execution of Agreement including stamp duty, registration charges, legal expenses etc. shall be borne by the successful bidder. Failure to execute the Agreement within stipulated period may result in cancellation of award and forfeiture of EMD / Security Deposit.

xxiii. **DEVIATIONS:** No technical or financial deviations shall be accepted. Proposals containing deviations from the prescribed terms and conditions are liable to be summarily rejected.

xxiv. The Parties shall comply with the provisions of the Digital Personal Data Protection Act, 2023 (DPDP Act), as amended from time to time. Any personal data collected, processed, stored, shared, or retained under this Agreement shall be handled solely for the purposes of this Agreement and protected through appropriate technical and organizational safeguards. The Parties shall maintain confidentiality of such data and comply with all applicable legal requirements relating to data privacy, security, and breach notification.

14. Conflict of Interest: -

i. The selected Technology Supplier / Applicant shall provide transparent, professional, objective and impartial support and shall maintain utmost integrity while safeguarding the interests of MAHAPREIT.

ii. The selected Technology Supplier / Applicant shall avoid any situation of conflict of interest which may adversely affect the interests of MAHAPREIT during the technology supply, implementation or associated activities.

iii. The selected Technology Supplier / Applicant shall not outsource, sublet or transfer any part of the assigned scope of work to any third party without prior written approval of MAHAPREIT.

iv. The selected Technology Supplier / Applicant and its affiliates shall not engage in any business activities which may conflict with the interests of MAHAPREIT in relation to Green Hydrogen, SAF, Biofuels and allied Green Products projects.

v. non-disclosure of any actual or potential conflict of interest or association may result in rejection / termination of engagement by MAHAPREIT.

15. Bid Process and Modality: -

a. The EOI proposals shall be evaluated on the basis of qualifying conditions, eligibility criteria and other requirements specified in this EOI document.

b. **Cost of EOI Document:** The bidder shall pay EOI document fee of Rs. 25,000/- plus applicable GST through e-payment gateway / RTGS / NEFT.

c. **Earnest Money Deposit (Refundable in case Applicant is found not qualified):** Rs. 20,00,000/- (Rupees Twenty lakhs Only) through e-payment gateway / RTGS / NEFT.

d. **Processing Fee for Qualified Bidders (Non-Refundable):** Rs. 5,00,000/- plus applicable GST (Rupees Five Lakhs plus applicable GST) through e-payment gateway / RTGS / NEFT.

e. Proposals without payment of EOI document fee and EMD shall not be considered for evaluation and are liable for rejection. The processing fee shall be payable by the qualified bidders as specified by MAHAPREIT.

16. Bank Details are as Follows: -

A) For EoI Document Cost & Earnest Money Deposit (EMD): -

i) Name of Organization: - Mahatma Phule Renewable Energy and Infrastructure Technology Limited.
ii) Name of Bank: - State Bank of India.
iii) Branch: - Neville House, J. N. Heredia Marg, Balard Estate, Fort Mumbai – 400 001.
iv) Account No: - 42806014198
v) IFS Code: - SBIN0009995

B) For Processing Fee: -
i) Name of Organization: Mahatma Phule Renewable Energy and Infrastructure Technology Limited.
ii) Name of Bank: Bank of Maharashtra.
iii) Branch: KALANAGAR BANDRA (E).
iv) Account No.: 60436723381
v) IFSC Code: MAHB0000164

17. JURISDICTION OF THE CONTRACT: -

The laws applicable to this contract shall be the laws in force in India. The courts of Mumbai, India shall have exclusive jurisdiction in all matters arising under or on account of this Agreement.

18. Financial / Commercial Offer: -

MAHAPREIT will obtain the **Financial / Commercial Offer (Price Quote)** from the qualified Technology Supplier separately, as per the requirements of the respective project / technology.

Chief General Manager (Biofuels)
MAHAPREIT

CHECK LIST

We confirm that we have gone through the EoI document and as instructed therein, we hereby submit the following documents to form part of our EoI proposal.

SN.	Name of the Document	Annexure	Nature of Document	Whether Submitted Yes/No
1	General Financial & Commercial Particulars of Applicant / Each Member of the Consortium	Annexure 1	Mandatory	
2	Technical Qualification Data	Annexure 2	Mandatory	
3	Power of Attorney to be provided by the Applicant / Lead Member in favour of its representative as evidence of Authorized Signatory's authority, along with Board Resolution / Power of Attorney, wherever applicable	Annexure 3	If Applicable	
4	Undertaking (To be given by the Applicant on the Letterhead)	Annexure 4	Mandatory	
5	Format of Covering Letter (On Letterhead of Applicant / Firm)	Annexure 5	Mandatory	

ANNEXURE 1:

GENERAL, FINANCIAL & COMMERCIAL PARTICULARS

(To be submitted by Applicant on their Letter Head)

Sr. No.	**Particulars**	**Details**
1	Name of the Applicant	:
2	Registered Office Address	:
3	Telephone	:
4	E-mail	:
5	Nature of Business & Working Experience in Years in the Same Business	:
6	Person to be Contacted	:
7	Nature / Status of the Applicant	: Technology Supplier / Technology Provider / Technology Developer / OEM / Manufacturer / Research Institution / Technical Institute / Consortium / Other Eligible Entity
	a. Do you anticipate any change in the Ownership during the proposed period of engagement? If yes, define the scope and effect thereof.	: No / Yes
8	Financial Details (Enclosed 1 copy each of):	
A	Balance Sheets and Profit & Loss Statements for the last three financial years	: No / Yes
B	Company Compliance Documents	: No / Yes
9	Name & Address of Bankers	:

Certified that the above information is true and factual.
Date: ……………………….
Place: ……………………….
(Signature of the Authorized Representative of Applicant)
Name: ………………………
Designation: ……………………
Seal of Company: ……………

ANNEXURE 2

Technical Submittals for Hydrogen Generation System
The following technical information shall be submitted by applicants offering hydrogen generation systems through thermal cracking / thermochemical conversion of biomass, solid waste, agricultural waste, or any other suitable technology.

(To be submitted on Letter Head of the Applicant)

1. Name of the Applicant: ________________________________

Sr. No.	Technical Parameter	Information to be Submitted by Applicant
i	Name of the Technology	Name / proprietary name and technology type.
ii	Technology Presentation	Attach detailed technical presentation covering process description, technology readiness, operating references, process flow, mass & energy balance, product quality and photographs / layouts of operating plants.
iii	Minimum Standard Output Capacity	Hydrogen output: ____ kg/hr; ____ kg/day; or specify range from ____ kg/hr to ____ kg/hr.
	Input Electricity / Power Requirement	Voltage: ____ V; Frequency: ____ Hz; Power: ____ kW; Supply: 1P / 3P.
	Water Requirement	____ LPH of water; specify quality / treatment requirement.
	Biomass Consumption	____ kg/hr of biomass.
	Biomass Quality	Type: ____; Size: ____; GCV: ____; Ash: ____%; Moisture: ____%; Hydrogen yield: ____ kg H_2/kg biomass.
iv	Medium Standard Output Capacity	Hydrogen output: ____ kg/hr; ____ kg/day; or specify range from ____ kg/hr to ____ kg/hr.
	Input Electricity / Power Requirement	Voltage: ____ V; Frequency: ____ Hz; Power: ____ kW; Supply: 1P / 3P.
	Water Requirement	____ LPH of water.
	Biomass Consumption	____ kg/hr of biomass.
	Biomass Quality	Type: ____; Size: ____; GCV: ____; Ash: ____%; Moisture: ____%; Hydrogen yield: ____ kg H_2/kg biomass.
v	Maximum Standard Output Capacity	Hydrogen output: ____ kg/hr; ____ kg/day; or specify range from ____ kg/hr to ____ kg/hr.
	Input Electricity / Power Requirement	Voltage: ____ V; Frequency: ____ Hz; Power: ____ kW; Supply: 1P / 3P.
	Water Requirement	____ LPH of water.

	Biomass Consumption	____ kg/hr of biomass.
	Biomass Quality	Type: ____; Size: ____; GCV: ____; Ash: ____%; Moisture: ____%; Hydrogen yield: ____ kg H_2/kg biomass.
vi	Indicative Unit Cost – Minimum Capacity Plant	Quote in Rupees per 1 kg/hr hydrogen production capacity for supply, installation and commissioning. Include clear scope, exclusions, taxes and duties.
vii	Indicative Unit Cost – Medium Capacity Plant	Quote in Rupees per 1 kg/hr hydrogen production capacity for supply, installation and commissioning. Include clear scope, exclusions, taxes and duties.
viii	Indicative Unit Cost – Maximum Capacity Plant	Quote in Rupees per 1 kg/hr hydrogen production capacity for supply, installation and commissioning. Include clear scope, exclusions, taxes and duties.
ix	Land Requirement	Land area required per kg/hr of hydrogen capacity / electrolyser or equivalent system, in square metres.
x	Clearances / Approvals	Provide details of statutory, environmental, safety, electrical, pollution control, fire, factory and other approvals required prior to implementation.
xi	Other Relevant Information	Any additional information, technical advantages, guarantees, warranties, O&M requirements, reference projects, certifications, safety measures and recommended feedstock specifications.

Note: Applicants shall clearly distinguish between technology-specific requirements and site-specific requirements. All indicative costs shall state whether they include EPC, installation, commissioning, taxes, freight, civil works, utilities, storage/compression, balance of plant and O&M.

Date: ………………………..

Place: ……………………….

(Signature of the Authorized Representative of Applicant)

Name: ………………………

Designation: ……………………

Seal of Company: ……………

ANNEXURE 3
POWER OF ATTORNEY

(To be provided by the Applicant / Lead Member in favour of its representative as evidence of Authorized Signatory's authority.)

(To be on non-judicial stamp paper of Rs. 500/-)
Foreign companies submitting EoIs are required to follow the applicable law in their country.

KNOW ALL MEN BY THESE PRESENTS, that we, **(Name of the Applicant / Lead Member of Consortium)**, a Company / Corporation / Firm organized and existing under and by virtue of the laws of **(Name of Applicant's Country)** and having its registered office and principal office at **(Address of the Applicant)**, do hereby irrevocably constitute, appoint and authorize Mr./Ms. ___________________________ (Name and Residential Address), who is presently employed with us and holding the position of ___________________, as our true and lawful Attorney to do in our name and on our behalf to prepare, make, sign and submit the EoI proposal and other documents, certificates, undertakings and papers to be executed and delivered by us, and to do all such acts, deeds and things as are necessary or required in relation to the EoI issued by MAHAPREIT vide **EoI No. MAHAPREIT/CGM-BIOFUELS/SAF/TS/EoI-1/2026** for **Technology Suppliers for Green Hydrogen / SAF and allied Green Products under RE Vertical**.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

Signed by the within named
[Insert the name of the Executant Company]

through the hand of Mr. _______________________________

Duly authorized by the Board to issue such Power of Attorney.

Dated this ___________________ Day of ___________________

Accepted

Signature of Attorney: _______________________________

Name: ____

Designation: ____

Address: ____

Attested

Signature of the Executant: __________________________

Name: ____

Designation: ____

Address: ____

Signature and Stamp of Notary of the place of execution

Common Seal of __________________ has been affixed in my / our presence pursuant to Board of Directors' Resolution dated __________________.

WITNESS

1. Signature: ______________________________
Name: ____
Designation: ___________________________________
Occupation: ____________________________________

2. Signature: ______________________________
Name: ____
Designation: ___________________________________
Occupation: ____________________________________

Note:

1. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s), and the same should be under the Common Seal of the executant, wherever applicable, in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the Power of Attorney shall be duly authorized by the executant(s) in this regard.
2. Also, wherever required, the executant(s) should submit for verification the relevant charter documents and documents such as a Board Resolution / Power of Attorney in favour of the person executing this Power of Attorney for delegation of power hereunder on behalf of the executant(s).

ANNEXURE 4

UNDERTAKING

(To be given by the Applicant on the Letter Head)

I/We of M/s. ....

Applicant for Technology Suppliers for Green Hydrogen / SAF and allied Green Products under RE Vertical against EoI No. MAHAPREIT/CGM-BIOFUELS/SAF/TS/EoI-1/2026, issued by Mahatma Phule Renewable Energy and Infrastructure Technology Limited (MAHAPREIT), B-501, Pinnacle Corporate Business Park, BKC (East), Mumbai – 400051, do hereby undertake that I/we agree to unconditionally accept all the terms and conditions mentioned in the EoI documents.

Further, we have noted that after unconditionally accepting the EoI conditions in its entirety, it is not permissible to put any remarks / conditions in the Price Bid and the same has been followed in the present case. In case this provision of the EoI is found violated at any time after opening of the Price Bid, I/we agree that the EoI shall be summarily rejected and MAHAPREIT shall, without prejudice to any other right or remedy, be at liberty to forfeit the full said Earnest Money Deposit.

Signature of the Applicant / Authorized Person
Name of Firm: ______________________________
Name: _____________________________________
Designation: ________________________________
Company Seal: ______________________________

ANNEXURE 5
FORMAT OF COVERING LETTER
(On Letterhead of Firm / Company)

Date: ___________________
To,
The Chief General Manager (Biofuels),
Mahatma Phule Renewable Energy and Infrastructure Technology Limited (MAHAPREIT),
B – 501, Pinnacle Corporate Park,
Next to Trade Center, BKC (East),
Mumbai – 400051.

Sub: EoI for Technology Suppliers for Green Hydrogen / SAF and allied Green Products under RE Vertical.

EoI No.: MAHAPREIT/CGM-BIOFUELS/SAF/TS/EoI-1/2026

Dear Sir,
We enclose herewith the particulars and details of our Firm / Company along with the EoI proposal for consideration for empanelment / engagement as a **Technology Supplier** for Green Hydrogen / SAF and allied Green Products under the RE Vertical initiatives of MAHAPREIT.

We also state as follows:
a. We hereby declare that all the information and statements made in this Proposal are true and correct and accept that any misrepresentation or misinterpretation contained herein may lead to our disqualification.
b. We agree to bear all costs incurred by us in connection with preparation and submission of the proposal and any further pre-contract discussions / activities.
c. We understand that MAHAPREIT is not bound to accept any proposal and reserves the right to reject any or all proposals without assigning any reason thereof.
d. We confirm that the undersigned is duly authorized on behalf of **(Name of the Firm / Company)** to submit this proposal and to undertake all necessary correspondence and discussions in relation to this EoI.

Thanking You,

Yours faithfully,

Signature: ___________________________

Name of Authorized Signatory: ___________________________

Designation: ________________________

Name of Firm / Company: ______________________________

Seal of Organization

Applicant Declaration

The applicant confirms that the information submitted in the EOI and Annexure is true and complete to the best of its knowledge and that the technology, performance data, references, costs and feedstock requirements are supported by documentary evidence wherever requested.