

EXPRESSION OF INTEREST (EoI) FOR

Technical Collaboration for Indo-EU project on “Waste to Renewable Hydrogen Innovation”

(HORIZON-CL5-2025-04-D2-13)



August 2025

**CSIR-National Environmental Engineering Research Institute (NEERI), Nehru
Marg, Nagpur - 440 020 Maharashtra**

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1. Introduction

CSIR-NEERI is intending to engage technical collaborating partner for participation in Indo-EU project on “Waste to Renewable Hydrogen Innovation” against the call published in the Framework of EU-India Trade & Technology Council (TTC) Working Group 2, by Ministry of New and Renewable Energy (MNRE), (HORIZON-CL5-2025-04-D2-13). This call was formulated to align with India’s commitment to the global clean energy transition, during the EU-India Trade and Technology Council (TTC) Ministerial Meeting and aims to foster decarbonization and reduce fossil fuel imports thus positioning to position India as a global hub for Green Hydrogen. This call focusses on uniting India’s MNRE and the European Union for enhancing advance waste-to-renewable Hydrogen technologies. This collaboration enhances sustainability, safety, and affordability, strengthens research ties, and expands technology portfolios, reinforcing bilateral efforts towards a greener future [1].

2. About CSIR-NEERI

CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur is one of the premium institutes of CSIR under the Ministry of Science and Technology, Govt of India. The institute is dedicated to research and innovations in environmental science and engineering, besides providing solutions to a range of problems posed by industry, government, and society. Over the years, the institute has developed excellence and expertise and global recognition in emerging areas of environmental science and engineering.

3. Objective of call

Hydrogen demand of future society, including industry, energy and transport sectors in ever increasing. Conventionally, renewable Hydrogen is produced by water electrolysis. This call focusses on the development of alternative technologies for hydrogen production by covering biogenic waste feedstocks such as agricultural, forest residues along with organic fractions from municipal waste as a priority identified by the EU-India Trade and Technology Council’s Working Group on Green and Clean Energy Technology to reinforce bilateral cooperation. Following benefits of the technologies are envisaged [1];

- Benefit to renewable Hydrogen producers and consumers based in the EU and India with reference to improved sustainability, safety, and affordability of renewable Hydrogen production technologies from biogenic wastes (compared to existing ones);
- Availability of expanded renewable hydrogen production portfolio for technology developers based in the EU and India through biogenic wastes use;
- Strengthening of the cooperation between EU and India key researchers, institutions and industries active in biogenic waste to renewable Hydrogen.

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4. Consortium Composition:

The Project Consortium must include at least 3 Indian participants and 3 European participants, collaborating on research and innovation areas outlined in the call. Participation of relevant industries, public sector undertakings (PSUs), or startups is strongly encouraged. Each consortium encouraged to include at least one technology designer and one technology provider, with installation, testing, and validation conducted at a collaborating site with the participating industry [1].

5. Who can apply?

a. Technical Competence

- Companies having experience in research and development on efficient, scalable, and sustainable processes for biohydrogen, bioenergy, biofuel production from biogenic wastes.
- Having experience of setting up and operation of biogas plant with atleast 100-150 T/day feedstock capacity
- Experience in dark fermentation is preferred
- Companies shall have its own technically competent team with experience in biogas/biofuel

b. Company status

- Start-up companies registered in India by Indian residents with valid incorporation certificates from the Indian Companies Act or the Ministry of Commerce and Industry.
- Indian companies under the Indian Companies Act with 51% or more ownership by resident Indian citizens.
- Section 8 companies registered under the Indian Companies Act, 1956/2013.
- Have been in operation for at least 3 financial years before the closing date for application.
- Be registered under relevant provisions of Good & Services Taxation (GST) Act.

6. How to Apply?

- The EOI shall be submitted to the following email ID by 28/08/2025 (by 3 pm) followed by the hard copy
- The firms shall submit their EOI addressing to Director, CSIR-NEERI, Nehru Marg, Nagpur- 440 020. Address for submission of EOI is given below:

To

Scientist & Head

Business Development & Project Monitoring and Planning Division (BDPMPD),
CSIR-NEERI, Nehru Marg, Nagpur 440020

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Email: a.khardenavis@csir.res.in

- All the documents submitted by the selected firms should be signed and numbered.
- Applications that are incomplete in any respect or those that are not consistent with the requirements as specified in this document or those that do not adhere to formats, wherever specified may be considered non-responsive and may be liable for rejection and no further correspondences shall be entertained with such applicants.
- Canvassing in any form would disqualify the applicant.

7. Other Conditions

- CSIR-NEERI reserves the right to withdraw/cancel this EoI or this request for EOI without assigning/notifying any reason and/or invite afresh with or without amendments, without liability or any obligation for such request for EOI. Information provided at this stage is indicative and CSIR-NEERI reserves the right to amend/add further details at final stage of selection.
- The decision of the Director, CSIR-NEERI, Nagpur shall be final and shall be binding.
- CSIR-NEERI shall not be responsible for any expenditure incurred by the applicants in connection with the preparation and delivery of their applications or any other expenses incurred as regards the subject EoI.
- Telefax/ E-mail/ CD shall not be accepted if not accompanied with a formal signed document. CSIR-NEERI takes no responsibility for any delay/ loss during posting for non-receipt of document sent by Post/ Courier within the due date.
- Mere submission of the proposal/ application does not entitle automatic qualification.
- Any clarification against this EoI can be sought from the designated official(s) only in writing or through e-mail, which shall be clarified by the designated official only through e-mail. CSIR-NEERI may at its discretion extend this deadline for the submission of EOI.
- To assist in the examination, evaluation and comparison of EOI, CSIR-NEERI at its discretion can ask the applicant for the clarification or submission of additional information/documents. However, post submission of clarification at the initiative of the applicant shall not be entertained. Authority reserves the right to visit the facilities of the applicants if required.
- At any time before the submission of the applications against the EOI, the CSIR-NEERI may carry out amendments(s) to this EOI document and/ or the schedule. The amendment shall be made available on the website www.neeri.res.in and will be binding on them.
- The Authority reserves the right to accept or reject any application without assigning any reason thereof.

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[1] <https://mnre.gov.in/en/notice/eu-ttc-call-for-waste-to-hydrogen-proposal/>

Annexure A

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COVERING LETTER
(On Company/ Institute letterhead)

Date:

**To,
DIRECTOR**

CSIR-National Environmental Engineering Research Institute
Nehru Marg, Nagpur-440 020
Maharashtra, INDIA

Subject: Submission of Expression of interest (EOI) for Technical Collaboration for Indo-EU project on “Waste to Renewable Hydrogen Innovation” (HORIZON-CL5-2025-04-D2-13)

Dear Sir,

Having examined the Expression of Interest (Eoi) the undersigned, on behalf of our company intend to participate in EOI for Technical Collaboration for Indo-EU project on “Waste to Renewable Hydrogen Innovation” (HORIZON-CL5-2025-04-D2-13) and submit the Qualification requirements proposal in response to the Expression of Interest (Eoi) for the said EOI. We attach here with the response, as required by the Eoi, which constitutes our proposal.

I/We confirm that the information contained in this response or any part thereof, including its exhibits and other documents is true, accurate, verifiable and complete. I/We fully understand and agree to comply that on verification, incorrect information, if found to have been furnished the application/ order is liable for rejection at any stage of evaluation/ work execution. Our Firm/Company agrees for acceptance of all the terms and conditions set out in the EOI documents. It is hereby confirmed that following employee we are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

Our Authorised contacts for our company are:

Name:

Designation:

Address:

Phone No: & Mobile No:

Fax:/ E Mail:

(Signature and Seal of Company)
(In the capacity of Director/CEO)

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ANNEXURE-A2**DETAILS OF THE COMPANY**

	Item	Details (Attached True copy)
1.	Name of the party/legal entity With Year of establishment	
2.	Name of the Owner/ Founder contact details	
3.	Details of Directors	
4.	Details of Registration as an industry/legal entity (copy of certificate to be enclosed)	
5.	Address of works & Registered office premises	
6.	Certificate of Incorporation	
7.	PAN Number	
8.	GST Number	
9.	Udyog Aadhar	
10.	Details of office Premised/ branches/ industry etc.	
11.	Details of CEO/MD/GM	
12.	List of regular employees with qualifications, experience should be provided	
13.	Total Staff of Company	
14.	Details of work done in past 3 years. Copies of work orders, completion certificates etc.	

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EXPERIENCE CRITERIA&PROVEN TRACK RECORD

**List top five projects ongoing/ completed, if any (Last 3 years) in
BIOFUEL/BIOENERGY sector**

Name of the Project	Sponsoring Agency	Amount sanctioned (Rs Lakhs)	Amount released (Rs Lakhs)	Duration (in years) From- To	Awards (If any)

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UNDERTAKING WITH REGARD TO NON-LITIGATION

(To be submitted on Company's Letter Head)

To

DIRECTOR

CSIR-National Environmental Engineering Research Institute
Nehru Marg, Nagpur-440 020
Maharashtra, INDIA

Subject: Undertaking regarding Litigation

Dear Sir,

It is hereby confirmed and declared that M/s -----, does not have any litigation / arbitration history with any Government department/ Public Sector Undertaking/ / or any other public authority with which any MoU was / has been executed / undertaken.

Yours faithfully,

(Signature of the Authorised signatory)

Name:
Designation:
Seal:
Date:
Place:

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