



ANERT (Agency for New and renewable Energy Research & Technology)

Department of Power, Government of Kerala
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Eoi Document

**Expression of Interest (EOI) for Development of Pilot Projects on
Production of Green Hydrogen from Biomass**

Ref. No.: ANERT-RD/4/2026-T7

Date of Notification: 09 Jan 2026

Last Date of Submission: 23 Jan 2026



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Disclaimer

Prospective respondents to this EoI acknowledge and agrees that:

- ANERT has issued this EoI with the best intention to explore the market for eligible and interested applicants and has no compulsions to enter into definitive contractual agreements. This EoI does not guarantee the conversion of this EoI into any definitive contractual agreements.
- It is also agreed that ANERT, in its sole discretion, may reject any and all proposals made by respondent(s), may change the conditions relating to the EoI or cancel this EoI at any time without assigning any reason.
- Prospective respondent(s) acknowledge and agree that response to the EoI is purely voluntary action on their part and for any expenditure on this account shall be borne by the respondent(s).
- The applicants shall bear all cost associated with the preparation and submission of the response to this EoI.



1. Introduction

ANERT (Agency for New and renewable Energy Research & Technology), an autonomous institution under the Department of Power, Government of Kerala, is at the forefront of promoting clean energy innovation, technology deployment, and decarbonization solutions in the state.

ANERT is the State Nodal Agency (SNA) for the Ministry of New and Renewable Energy (MNRE), Govt. of India, to carry out the centrally assisted clean energy programmes in Kerala. ANERT is also a state agency for Renewable Purchase Obligations (RPO) and Renewable Energy Certificates (REC) for Kerala. ANERT has been nominated by Power Department as the State Nodal Agency for Green Hydrogen mission of Kerala.

This EOI aims to identify technically sound, innovative, and scalable project proposals where ANERT can fund innovative biomass to green hydrogen production pathways. Selected proposals may also be considered for implementation under ANERT-led initiatives, including pilot projects, Hydrogen Valley Innovation Cluster (HVIC) programmes, or relevant schemes of the Ministry of New and Renewable Energy (MNRE).

The proposed projects should focus on technology demonstration of production of Green Hydrogen from Biomass. Through this EOI, ANERT seeks to co-develop and advance high-impact proposals that can contribute to Kerala's broader climate and energy goals, while also supporting innovation-led growth in India's clean energy ecosystem.

This is not a tender for funding, but a preliminary call for technically sound and co-fundable project ideas, which may be pursued by ANERT for funding.

2. Purpose of the EOI

ANERT is floating this EOI with an intent to co-fund projects Biomass to Green Hydrogen through innovative technology. The projects must be set up in the State of Kerala. Applicants are to review the CfP floated by BIRAC, "Production of Green Hydrogen from Biomass" dated 26-Dec-2025. Applying to this EOI shall mean that the applicant has undertaken a thorough review of BIRAC's CfP. The same can be accessed on the following link attached: [Link](#)

Funding for innovative technology for Biomass to GH2	
Funding available	INR 30.0 crores (25 crores from BIRAC as per CfP + 5 crores from ANERT) ANERT's funds shall be used towards operation expenses of the plant
Centrally funded PPP schemes available	BIRAC's CfP on Production of Green Hydrogen from Biomass
Role of ANERT	ANERT will act as a co-funding partner; ANERT's Funding will be up to lower of 20% of the project cost or up to ₹ 5 crores.
Role of Applicant	Design, Develop and Operate the plant for a minimum period of 5 years.

3. Eligibility

Applicants to ensure compliance with BIRAC's CfP "Implementation of Pilot Projects for Production of Green Hydrogen from Biomass-based and other Innovative Technology-based Interventions" dated 26-Dec-2025. CfP can be accessed here: [Link](#)



4. Salient Features of the Funding

- a) The proposal should be for a technology that has reached TRL 5/6. Studies involving development of proof of concept/early-stage research will not be supported.
- b) The pilot plants should be commissioned within 12 months from the date of LoA.
- c) Applicants can utilize ANERT funds towards eligible operational expenditure (OPEX), excluding land-related charges and statutory taxes. The proposal should indicate proper justifications as in Clause 5.1 Point 4.
- d) Progress Report shall be submitted every 2 months to ANERT till the trial period of 6 months, post which a monthly operation report is to be submitted to ANERT.
- e) Post completion of 6 months of trial applicant must submit project completion report to BIRAC and ANERT disseminating findings, best practices, and lessons learned from the pilot.
- f) Projects where the offtake is demonstrated shall get preference.
- g) The hydrogen generated under the project may be utilized for commercial end use, and any revenue or profits arising therefrom shall be subject to a revenue-sharing arrangement, to be agreed upon under a separate MoU/ Agreement.
- h) Guidelines for IPR shall be as per BIRAC's notification.
- i) Ownership and disposal of the assts will be as per BIRAC notification
- j) Guidelines or notifications issued by BIRAC has to be followed.

5. Submission Requirements

Interested applicants must submit a comprehensive proposal package that demonstrates the technical merit, financial feasibility, and strategic alignment of the proposed project. All documents must be submitted in PDF format, via email, by the stipulated deadline.

5.1 Proposal Components

Interested applicants must submit a comprehensive proposal package that demonstrates the technical merit, financial feasibility, and strategic alignment of the proposed project. All documents must be submitted in PDF format, via email, by the stipulated deadline.

Section	Content Description	Page Limit / Notes
1. Cover Letter	A signed letter on official letterhead summarizing the organization's interest, total project cost, and requested support. It should clearly state the project's readiness level and implementation window.	1 page max
2. Organizational Profile	A brief overview of the lead organization, highlighting: <ul style="list-style-type: none"> - Years of operation (minimum 3 years) - Core areas of expertise - Key technical and managerial resources - Previous relevant projects (especially in demonstration in hydrogen projects) - Summary / Snapshot of financial reports of (FY2022-23, 2023- 	2 pages max



	<p>24, 2024-25) indicating the following:</p> <ul style="list-style-type: none"> ○ Net Worth (Capital Reserve plus Revenue Reserve) ○ Turnover (Gross Income) ○ Profit Margin (Total Surplus (Excess of income over expenditure) /Turnover) ○ Liquidity (Current assets/current liabilities) 	
3. Detailed Project Note	<p>The Project Note should address the following:</p> <ul style="list-style-type: none"> - Title and Summary Table: A summary table including project title, site(s), technology, and other key information - Technology Overview: Description of the core technology, and current maturity level - Implementation Plan: Timeline, proposed deployment phases, and duration of operation - Team and Roles: Key personnel or partner organizations, including their roles and expertise - Expected Outcomes: Quantity of H2 produced, local employment, Workshops, skills training, and publications - Scalability and Replication: Potential for wider adoption across state - Readiness to Execute: Details of land availability, permits, partnerships, offtake agreements, and any work already completed — clearly mentioned in a separate subheading 	Max 1 page per subheading
4. Financial Summary Sheet	<p>Applicants must provide a clear and realistic financial structure, including:</p> <ul style="list-style-type: none"> - Total project cost in INR - Breakdown of funding sources: <ul style="list-style-type: none"> ○ Funding sought from BIRAC ○ Expected or proposed ANERT contribution ○ Contribution by developer/applicant - Cost structure by major components: <ul style="list-style-type: none"> ○ Infrastructure and equipment ○ Project development and engineering ○ Raw materials, power, utilities, and consumables ○ Logistics and manpower ○ Monitoring, training, and dissemination activities (as per BIRAC CfP) ○ Administrative, IT and compliance - Supporting notes on cost assumptions and unit estimates - Availability of funds (secured, pledged, or under discussion) <p><i>Note: The financials must be valid for a period of 120 days from the date of submission.</i></p>	—
5. Annexures (as applicable)	<ul style="list-style-type: none"> - Relevant annexures may include: Letters of Interest, MoUs, or commitment letters from co- 	As



	<p>funders or partners</p> <ul style="list-style-type: none"> - Technical specifications or product brochures - Past project reports or media references that demonstrate prior experience in similar domains - Copy of Incorporation Certificate 	applicable
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5.2 Submission Format and Document Packaging

Applicants must compile their proposal into a single PDF document, following the structure, content, and page limits specified in Section 5.1 and the Submission Requirements Table. The final document should be well-organized and clearly labelled.

To avoid email size restrictions, the compiled PDF must be uploaded to a Google Drive folder with download permissions enabled.

Document Preparation Instructions:

- Format: PDF only
- File name: <OrganizationName>_EOI_ANERT2026.pdf
- Upload the file to Google Drive
- Set access to: “Anyone with the link can download” OR shared directly with GH2CELL@ANERT.IN (with download access)

Once the document is ready and uploaded, the downloadable Drive link must be shared with ANERT via email as detailed in Section 7.2.

6. Evaluation Methodology

All eligible proposals received under this EOI will be evaluated by ANERT based on a structured and transparent assessment framework. The aim is to identify technically mature, financially viable, and strategically aligned demonstration projects that can be co-developed with ANERT for submission to suitable national or international funding opportunities.

6.1 Evaluation Stages

The evaluation will consist of the following stages:

1. Preliminary Screening: Verification of completeness, eligibility, and adherence to submission structure and page limits. Proposals not meeting the basic criteria may be rejected at this stage. Screening would be based on the proposed TRL level (minimum TRL 5/6).
2. Technical and Strategic Assessment: A detailed review based on the evaluation parameters listed in Section 6.2.
3. Shortlisting and Due Diligence: ANERT may seek additional information, clarifications, or conduct virtual discussions with shortlisted applicants. Proposals may also refer to subject experts or funding agencies for feedback before final selection.
4. Final Selection for Nomination: Based on evaluation outcomes, ANERT will provide co-funding commitment to shortlisted proposal. If the proposal is approved by BIRAC, ANERT will sign MoA with the applicant to define the scope, timeline, project cost, disbursement schedule and the outcomes for the duration of the project.



6.2 Evaluation Parameters

The following parameters will be used by ANERT to assess and score proposals during the technical and strategic evaluation stage. Each proposal will be reviewed for both its intrinsic merit and its suitability for nomination under the funding opportunities:

Evaluation Parameter	Description												
Innovation	<p>Novelty of the solution within the Indian context or sector.</p> <p>Evaluation based on novelty of the proposed technology to existing technology, IP position and improvement over baseline.</p> <p>Scoring under this criterion shall be qualitative, based on ANERT Project Review Committee evaluation of supporting evidence provided by the applicant against the stated parameters. Maximum score of 10 will be allotted to proposals high on innovation.</p>												
Scope for future scale up	<p>Ability of the project to serve as a model for similar deployments elsewhere.</p> <p>Evaluation based on replicable design, availability of inputs at scale and infrastructure compatibility. Scoring under this criterion shall be qualitative, based on ANERT Project Review Committee evaluation of supporting evidence provided by the applicant against the stated parameters. Maximum score of 10 will be allotted to proposals demonstrating a clear scale up potential.</p>												
Technical Feasibility of the proposed technology	<p>Evaluation on pilot/ test data, risk identification and mitigation.</p> <p>Scoring under this criterion shall be qualitative, based on ANERT Project Review Committee evaluation of supporting evidence provided by the applicant against the stated parameters. Maximum score of 10 will be allotted to proposals demonstrating thorough technical and risk assessment.</p>												
Commercial deployment potential	<p>Availability of land, permits, partnerships, and project management capacity, Realistic and credible co-funding structure; demonstrated ability to mobilize resources, identified use cases/ offtake potential, time for commercial readiness and cost of Hydrogen.</p> <p>Scoring under this criterion shall be qualitative, based on ANERT Project Review Committee evaluation of supporting evidence provided by the applicant against the stated parameters. Maximum score of 20 will be allotted to proposals demonstrating thorough project structure.</p>												
Quantum of green hydrogen production	<table> <tr> <th>H₂ Output (kg/day)</th><th>Score</th></tr> <tr> <td>≥ 50</td><td>10</td></tr> <tr> <td>30 – < 50</td><td>8</td></tr> <tr> <td>15 – < 30</td><td>6</td></tr> <tr> <td>8 – < 15</td><td>4</td></tr> <tr> <td>< 8</td><td>2</td></tr> </table>	H ₂ Output (kg/day)	Score	≥ 50	10	30 – < 50	8	15 – < 30	6	8 – < 15	4	< 8	2
H ₂ Output (kg/day)	Score												
≥ 50	10												
30 – < 50	8												
15 – < 30	6												
8 – < 15	4												
< 8	2												

Final Scoring will be based on summation of parameter wise scores.



7. Submission Timeline and Process


Applicants are advised to carefully note the key dates and submission process outlined below. Late or incomplete submissions may not be considered for evaluation.

7.1 Key Dates

Milestone	Date
Release of EOI	9-Jan-26 on ANERT Website
Last date to submit queries	19-Jan-26
Responses to queries published by ANERT	20-Jan-26
Last date for EOI proposal submission	23-Jan-2026 (by 11:59 PM IST)
Shortlisting and communication to applicants	On or before 27-Jan-2026

7.2 Final Delivery Instruction

All applicants must prepare their proposal according to the structure, content requirements, and page limits detailed in Section 5 and summarized in the Submission Requirements Table.

All proposals must be submitted by email with the required Drive link to:  GH2CELL@ANERT.IN

Email Submission Details:

- Subject Line: “EOI Submission – ANERT GH2BIO 2026”
- Include in Email Body:
 - Name of applicant organization
 - Link to Google Drive (ensure direct download access)

Important Notes:

- Ensure the Google Drive link is active and accessible until at least 31 July 2026
- Proposals must be submitted by 11:59 PM IST of 23 Jan 2026
- For any clarifications, queries must be emailed by 19 Jan 2026 with the subject line: “Query – ANERT GH2BIO EOI 2026” referring to the Section or Sub-section number in this EOI
- Contact for queries: ANERT-PMU: +91 89027 92609
- At the same time, ANERT reserves the right to reach out to any applicant after proposal submission for additional information, clarifications, or supporting documentation, as part of the evaluation process.

Late or inaccessible submissions may be disqualified from consideration.

8. General Terms

EOI only, not a Tender: This document is an invitation for Expressions of Interest only. It does not constitute a commitment to award any contract, funding, or partnership.

No Obligation to Select or Fund: ANERT reserves the right to accept or reject any or all proposals received without assigning any reason. Submission of a proposal does not guarantee selection, nomination, or funding under any scheme.



Use of Submitted Information: Information submitted through this EOI may be used by ANERT for further discussions, stakeholder consultations, and alignment with ongoing and upcoming initiatives, including but not limited to the Kerala HVIC, MNRE-supported pilot projects, other Central Financial Assistance schemes, and relevant bilateral or multilateral international funding opportunities.

Right to Modify or Cancel: ANERT may modify, postpone, or cancel this EOI at any stage, without incurring any liability. Any updates or clarifications will be communicated through the official ANERT website or via email.

Confidentiality and IP: Proprietary information explicitly marked as confidential will be treated with due care and used only for evaluation and project planning purposes. However, ANERT does not guarantee confidentiality of submitted materials unless covered by a separate NDA.

No Costs Reimbursed: ANERT will not be responsible for any costs incurred by applicants in preparing or submitting responses to this EOI.

Jurisdiction: All matters arising under this EOI shall be governed by the laws of India, and subject to the jurisdiction of courts in Thiruvananthapuram, Kerala