



# UNIVERSITY OF KERALA

Centre for Renewable Energy and Materials  
KARYAVATTOM, THIRUVANANTHAPURAM, INDIA – 695581.

E-mail: [crem@keralauniversity.ac.in](mailto:crem@keralauniversity.ac.in)

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act 1974 passed by Kerala State Legislative Assembly)  
(NAAC Reaccredited with 'A++' Grade)

Re. No./CREM/Equipment/PUR/2024

06/03/2024

## Re-TENDER NOTICE

Sealed competitive tenders are invited from competent vendors/suppliers within/Outside Kerala for the supply of **PEM electrolyser/ Hydrogen generator (Quantity: 1 No.)**

### Technical Specification

- Bag for hydrogen storage Nonreturnable valve
- Moisture trap
- Panel Safety switch – Emergency stop Specifications.
- H<sub>2</sub> production cell using water
- CORE component: PEM type
- Cell current range: 10A or more
- Electrode Area: 2.2 X 2.2 cm or more electrode active area
- H<sub>2</sub> Purity: 99.99%
- Electrolyzer Membrane Electrode Assemblies type electrolyzer
- **Warranty: minimum 2 year** from date of installation
- AMC: yes

1	Name of work/Items	Supply and Installation of PEM electrolyser/ Hydrogen generator (Quantity: 1 No.) at Centre for Renewable Energy and Materials- Kerala University
2	Quotation No	Re. No.CREM/Equipment/PUR/2024
3	Cost of tender form/Tender Submission Fee	96 + 18% GST
4	Earnest money Deposit	4800/-
5	Period of Completion	45 Days
6	Documents to be submitted	See General conditions No. 18
7	Date of issue tender	06/03/2024
8	Last date of receipt of Tender/Bid closing	20/03/2024, 12.00 pm.
9	Date and time of Opening Tender	20/03/2024, 03.00 pm.
10	Contact details for Technical Clarification	Instrumentation Engineer, CLIF Kariavattom Campus, University of Kerala Ph: 0471-23085566

### **Bidder Details (FULL DETAILS)**

Registered Name and Address of bidder	
Communication Address	
Other contact information Telephone : Mobile : FAX :	
<b><u>PAN AND GST NO</u></b>	

For more details, please log on to [www.keralauniversity.ac.in](http://www.keralauniversity.ac.in). Last date for the receipt of tenders is 12.00 P.M. on 20.03.2024. Tender forms can be downloaded from the University web site [www.keralauniversity.ac.in](http://www.keralauniversity.ac.in).

The cost of the tender form ₹96/- + 18% GST and the Earnest Money Deposit of Rs. 4800/- (Rupees four thousand and eighty only) should be remitted by way of Demand Draft issued from a nationalized/scheduled bank, drawn in favor of The Finance Officer, University of Kerala, payable at State Bank of India, Kerala University Office Campus Branch (SBIN0070292). The tender documents, along with separate DD towards the cost of the tender form and the EMD should be submitted/sent to Hon. Director, Centre for Renewable Energy and materials, (Room No 45; CLIF Buildings) University of Kerala Kariavattom Campus, 695581.

The rate quoted should be inclusive of all charges such as packing, forwarding, freight, loading/ unloading/ handling and Government duties leviable, if any. The University reserves the right to accept or reject any or all the tenders without assigning reasons whatsoever.

**Re-TENDER**

**Containing General Conditions and  
Schedule for the supply of PEM electrolyser/ Hydrogen generator (Quantity: 1 No.)**

Name of Tenderer: Hon. Director

Address: Hon. Director,  
Centre for Renewable Energy and materials,  
(Room No 45; CLIF Buildings)  
**University of Kerala**  
Kariavattom Campus, 695581

Annexure I

**FORM OF TENDER**

From

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To

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Sir,

I/We hereby tender to supply, under the annexed general conditions of contract, the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof, as may be decided by the University of Kerala, Thiruvananthapuram at the rates quoted against each item. The articles will be delivered within the time and at the places specified in the schedule.

\*I/We am/are remitting/have separately remitted the required amount of Rs as earnest money.

Yours faithfully

(Signature).....

(Address).....

Date: .....

\* To be scored in cases where no earnest money deposit is furnished.

Important: This tender form may be printed on A4 size paper. Editing of the pre- printed text in the tender form in any way other than as indicated (like ticking, filling in with ink/typing, scoring off inapplicable material etc.) will render the tender form invalid and liable for rejection.

## GENERAL CONDITIONS

Sealed tenders are invited for the supply of the materials as specified in schedule attached below.

1. This **Bid is a single cover bid**. Technical bid and financial bid shall be submitted in the same cover, failing which bidder shall be disqualified.
2. The tenders should be addressed to the **Hon. Director, Centre for Renewable Energy and materials, (Room No 45; CLIF Buildings) University of Kerala Kariavattom Campus, 695581** in a sealed cover with the tender number and name – **Tender for the supply of “PEM electrolyser/ Hydrogen generator (Quantity: 1 No.)”** duly super scribed on the cover on or before **20/03/2024, 12.00 PM**
3. Tenders which are not in the prescribed form are liable to be rejected and the cost of tenderforms once paid will not be refunded.
4. Intending tenderers should send their tenders so as to reach the officer mentioned in the tender notification, on or before the due date and time noted therein. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned therein. Tenders not stipulating period of firmness and tenders with price variation clause and/or ‘subject to prior sale’ condition are liable to be rejected.
  1. a. Every tenderer who has not registered his name with the State Government (Stores Purchase Department), should send along with his tender, an earnest money of Rs.4800/-. The amount may be paid in the form of **Demand Draft drawn in favor of the Finance Officer, University of Kerala, Thiruvananthapuram. Cheques will not be accepted.** The earnest money of unsuccessful tenderers will be returned as soon as possible after the tenders are settled.
  - b. Tenderers whose names are registered with Government (Stores Purchase Department) are generally exempted from furnishing earnest money for such articles for which they have registered their names. If they tender for stores other than those for which they have registered their names, they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submit, the registration number assigned to them by the Stores Purchase Department. Attested copy of registration certificate may be enclosed with the tender for reference.
  - c. Small Scale Industries and Cottage Industries within the Kerala state, which are certified as such by the Director of Industries and Commerce or by the Regional Joint Director of Industries and Commerce will be exempted from furnishing earnest money against tenders for supply of stores manufactured by them.
2. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any deposited by him will be forfeited to University of Kerala or such action taken against him as the University think fit.
3. The final acceptance of the tender rests entirely with the University who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tender as may be allotted to them.
5. In cases where a successful tenderer, after having made partial supplies, fails to fulfil the contracts in full, all or any of the materials not supplied may at the discretion of the Registrar, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the University shall thereby, together with such sums as may be

fixed by the University towards damages, be recovered from the defaulting tenderer.

6. Payment will be made only after the supplies are actually verified and taken to stock.
7. The contractor shall not assign or make over the contract or the benefits or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the Registrar who shall have absolute power to refuse such consent or to rescind such content (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such recession. Provided always that if such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.
8. The tenderer shall undertake to supply materials according to the standard sample and/ or specifications
9. No representations for enhancement of rates once accepted will be considered.
10. Any attempt on the part of the tenderers or their agents to influence the University in their favor by personal canvassing with the officers concerned will disqualify the tenderers.
11. Samples would be forwarded if called for an unapproved samples got back by the tenderers at their own cost. Samples sent by V.P. Post for 'freight to pay' will not be accepted. The approved samples may or may not be returned at the discretion of the undersigned. Tenderers whose samples are received late will not be considered. Tenders for the supply of materials are liable to be rejected unless samples if called for, of the materials tendered for are forwarded.
12. **EMD and Tender Fee:** - The bidder shall furnish EMD and Tender fee as mentioned in Tender Notice. Exemption Certificate if any, shall be submitted along with the tender.
13. **Deliver:** - The item should be delivered at the office of the **Centre for Renewable Energy and Materials- Kerala University Kariavattom Campus.**
14. **Installation and Commissioning:** - The items shall be installed and commissioned at the office of the Centre for Renewable Energy and Materials- Kerala University Kariavattom Campus.
15. **Warranty/Guarantee :-**
  - i) The supplier shall guarantee to repair/ replace the items or its part if found defective within **the warranty (Defect Liability) period of 2 year** of the items, the warranty of which are not mentioned Estimate. For other items supplier shall replace the item within the warranty period mentioned in Specification/estimate.
  - ii) The entire expenditure for repair/ replaces the item in this regard shall be borne by the supplier. Warranty shall be applicable for entire item.
16. Those who are interested should send their technical bid and financial bid shall be submitted in the same cover super scribed with "**Tender Ref No: (.....) Item No (.....), Instrument name (.....) addressed to Hon. Director, Centre for Renewable Energy and materials, (Room No 45; CLIF Buildings) University of Kerala Kariavattom Campus, 695581, Thiruvananthapuram, Kerala**"  
Email: [crem@keralauniversity.ac.in](mailto:crem@keralauniversity.ac.in)
17. Those firms who are interested to quote more than one item should send individual quotations for each item separately.

## 18. Documents to be submitted

The Bid shall contain the scanned copies of the following documents

- a) GST Registration Certificate of the Firm
- b) PAN details of the Firm
- c) Details of Tender Fee payment
- d) Details of EMD payment
- e) Copy of Experience/Installation Certificate
- f) Signed Tender Form (**with bidder details filled**) as acceptance of terms and conditions. (Attached as Annexure I)
- g) Financial Bid with Make and Model No. against Estimate Items (Attached as Annexure II)

### Annexure II

#### Technical Specifications

Sl. No	Item Name & Technical Specifications	Qty	Unit Price (₹) (Incl.GST)	Total Amount (₹) (Incl. GST)
1	<ul style="list-style-type: none"><li>• Bag for hydrogen storage Nonreturnable valve</li><li>• Moisture trap</li><li>• Panel Safety switch – Emergency stop Specifications.</li><li>• H2 production cell using water</li><li>• CORE component: PEM type</li><li>• Cell current range: 10A or more</li><li>• Electrode Area: 2.2 X 2.2 cm or more electrode active area</li><li>• H2 Purity: 99.99%</li><li>• Electrolyzer Membrane Electrode Assemblies type electrolyzer</li><li>• <b>Warranty: minimum 2 year</b> from date of installation</li><li>• AMC: yes</li></ul>	1		

**Rate quoted should be inclusive of all charges such as packing, forwarding, freight, loading/unloading/ handling or installation charges and Government duties leviable, if any.**

Whether samples are essential: Yes

Period within which goods should be delivered: As per the Delivery Schedule in the Purchase Order.

**Other special conditions:** Defective items, if any, supplied should be rectified/replaced to the satisfaction of the University by the suppliers at their own cost.

Sd/-

Hon. Director