

**UNIVERSITY OF CALICUT  
DEPARTMENT OF CHEMISTRY  
TENDER NOTICE**

Sealed superscribed competitive tenders are invited for the purchase of the 300 W Ozone free Solar Simulator System (AM 1.5) (1 Nos) for the Interdisciplinary Centre for Inter University Centre for Hydrogen & Energy Storage (CHES), University of Calicut. Details of tender, specifications of equipment, terms and conditions are listed below.

The tender form can be downloaded along with general conditions from the University website ([www.uoc.ac.in](http://www.uoc.ac.in)). Cost of tender form is **Rs. 1,770/- (inclusive of 18% GST)** and EMD for the tender is **Rs. 5,000/-**. The successful bidder shall furnish performance security equivalent to 5% (five percent) of the total contract value and purchase agreement in Kerala Stamp paper worth Rs. 200/- towards fulfilment of the contract. **The performance security and EMD are returnable.**

**DETAILS OF TENDER**

Tender No.	211937/CHE-ASST-1/2025/Admn (3)
Department	Interdisciplinary Centre for Inter University Centre for Hydrogen & Energy Storage (CHES)
Name of the Equipment	300 W Ozone free Solar Simulator System (AM 1.5)
Last date and Time for the receipt of Tender	16-02-2026, 10.00 AM
Date and Time for opening the tender	17-02-2026, 10.00 AM
Designation and address of officer to whom the tender is to be addressed.	Dr. Binitha N N Implementing officer CHES Professor & Head Department of Chemistry, University of Calicut, Malappuram - 673635
Contact details	Email: <a href="mailto:binitha@uoc.ac.in">binitha@uoc.ac.in</a>
Dates up to which rates are fixed.	3 Months from the date of opening the tender
Superscription	Tender for supplying of 300 W Ozone free Solar Simulator System (AM 1.5) in the Department of Chemistry, University of Calicut
Cost of the tender	Rs. 1,770/- (Rupees One Thousand Four Hundred and Seventy Five) (included with 18% GST)
EMD	Rs. 5,000/- (Rupees Five Thousand Only)
Place of Delivery	Department of Chemistry, University of Calicut, Malappuram - 673635
Delivery	Within 2 weeks from the date of Purchase Order

A primary agreement on Kerala stamp paper worth ₹200/- shall be submitted along with the tender documents. The format of primary agreement is attached below.

### **Detailed specification of the item**

Solar Simulator 300 W Ozone-Free Solar Simulator System

- Optical Configuration: F1 condenser optics with integrated housing
- Input Power Supply: 100–240 V AC, 50–60 Hz (including lamp housing and dedicated power supply) •

Lamp Type: Ozone-free Xenon lamp

- Lamp Power: 300 W or better
- Lamp Lifetime: Minimum 2000 hours
- Colour Temperature: 6000 K (daylight equivalent)
- Spectral Output Range: 290–700 nm
- Beam Diameter:  $\geq 50$  mm (uniform illumination)
- Arc Stability: High arc stability suitable for precision optical measurements
- Colour Rendering Index (CRI):  $R_a \geq 95$
- Restart Capability: Hot restart enabled
- Compliance: Standard compliant for AM 1.5G solar spectrum

Warranty : Minimum One year

#### **1. Specific Terms & Conditions**

- (1) All the specifications mentioned should be available on the website of the manufacturer. (Weblinks to the necessary documents on the website should be provided).
- (2) A detailed catalogue with all the specifications should be attached for the technical evaluation of the bid.
- (3) The vendor should be an OEM or authorized agent. Authorization from OEM should be attached with technical documents.
- (4) Quoted price should include all costs, shipping charges, insurance etc. up to the Department of chemistry, University of Calicut, Main campus located at Thenhipalam, Malappuram (D.T.) of the state of Kerala.
- (5) The vendor should have a local service support to cater the service as and when required.
- (6) User list with contact details: Vendor should provide is a list of installations in India with all necessary contact details and model details so that University of Calicut can approach the contact person for any feedback. In the case of any doubt about the capability of the machine.
- (7) Spare Parts and Future upgradation: The supplier of the instrument must confirm in writing that the spares for the entire instrument will be available for a period of at least ten years from the date of installation.
- (8) Manual: One set of operating manual and service manual including detailed drawing and circuit diagram (In English, Hard or Soft copy) should be provided with the instrument.
- (9) Compliance Statement: The supplier/bidder must submit all the technical brochures and proper application notes adequately explaining and confirming the availability of the features in the model of equipment being quoted.

## **General Terms & Conditions**

1. The rate quoted shall be inclusive of all taxes, other charges, if any, including delivery charges and unloading charges at the place of delivery.
2. A Performance Security equivalent to **5% of the total value** of the contract rounded to the nearest rupee shall be submitted by the successful bidder. **The EMD and Performance Security are returnable.**
3. The tenders/bids will be opened at the office of the Principal Investigator, Department of Chemistry, University of Calicut, Thenhipalam, Malappuram District, Kerala, PIN 673635, on the prescribed date and time.
4. Tenders/bids must be quoted in English language only.
5. The bidder shall have valid GST registration and shall furnish GST number. The GST number shall be furnished in the technical bid.
6. All corrigenda shall be published on the University website [www.uoc.ac.in](http://www.uoc.ac.in) and shall not be available elsewhere.
7. The bidder shall furnish agreement in Kerala stamp paper worth 200/- along with the tender. The agreement shall be furnished in **format III** given below. The hard copy of the preliminary agreement shall be submitted along with the sample.
8. The firms which had been blacklisted already are not eligible to apply.
9. The final acceptance of the tenders rests entirely with the University who do not bind themselves to accept the lowest or any tender.
10. All rules and regulations of the tender shall be in accordance with the Stores Purchase Manual of the Government of Kerala.
11. The warranty certified by the respective OEM/re-sellers shall be specified in the tender document for the equipment.

## **Other conditions**

1. The payment of tender cost and EMD shall be done through separate Demand Drafts in favour of Finance Officer or through e-payment facility provided in the website of University of Calicut ([www.uoc.ac.in](http://www.uoc.ac.in)) at the link <https://iwps.uoc.ac.in> (The e-payment of the tender cost is to be done after selecting the Purpose CTF001-COST OF TENDER FORM and the EMD selecting the Purpose EMD001 EARNEST MONEY DEPOSIT listed in the web page). If payment is done through e-payment facility, the bidders shall submit chalan receipts of the payment along with the tender. The tender cost paid will not be refunded on any account.
2. Necessary superscription, due date for the receipt for tenders and the name and address of officer to whom the tender is to be sent, are given in the table above. Any bids received after the time fixed on the last date of submission will be rejected.
3. The prices quoted should be inclusive of all taxes, duties, cess, loading and unloading charges etc.
4. The successful bidder shall supply the goods within the period specified in the supply order.
5. The undersigned reserves the right to reject any tender without assigning any reason thereof.
6. Special conditions, if any, printed on the sheets of the tender or attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the University.

### **General Conditions:**

1. 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. Tenders not stipulating period of firmness and tenders with price variation clause and/or 'subject to prior sale' condition are liable to be rejected.
2. (a) Every tenderer who has not registered his name with the State Government (Stores Purchase Department), should remit earnest money. No interest will be paid for the earnest money deposited.  
(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.  
(c) (i) Micro, Small & Medium Enterprises and Cottage Industries and Industrial co-operatives within the State, which are certified as such by the Director of Industries and Commerce or by the Regional Joint Directors of Industries and Commerce will be exempted from furnishing earnest money deposits in support of tenders submitted by them. The Khadi and village Industries Co-operative Societies and the institutions registered under the Literary, Scientific and Charitable Societies Act and financed by the Kerala Khadi and Village Industries Board within that State which are certified as such by the Secretary, Kerala Khadi Village Industries Board will be exempted from furnishing earnest money deposits in support of tenders submitted by them. Government Institutions/State Public Sector Industries which manufacture, and supply stores will also be exempted from furnishing earnest money for tenders submitted by them.  
(ii) Micro and Small Enterprises and Industrial Co-operatives within the State which have been registered as such with the Industries Department (Department under the control of the Director of Industries and Commerce) on furnishing proof of such registration will be exempted from furnishing security deposit against contracts for supply of stores manufactured by them provided that an officer of and above the rank of Deputy Director of Industries and commerce having jurisdiction over the area also certifies to the soundness and reliability of the concerns to undertake the contracts. The Khadi and Village Industries Co-operative Societies within the State which have been registered as such with the Kerala Khadi and Village Industries Board and the institutions registered under the Literary, Scientific and Charitable Societies Act and which are financed by the Board within the State on furnishing proof of such registration will be exempted from furnishing security deposits against contracts for supply of stores manufactured by them provided that the Secretary, Kerala Khadi and Village Industries Board also certifies to the soundness and reliability of the concerns to undertake the contracts.  
(d) In the matter of purchase of stores, Small Scale Industrial Units sponsored by the National Small Scale Industries Corporation Limited, New Delhi, and in respect of which competency certificates are issued by the Corporation will be exempted from payment of Earnest Money Deposits and Security Deposits.  
(e) The exemption stipulated in clauses (b), (c) and (d) above will not, however, apply to tenders for the supply of raw materials or dietary articles or stores on rate or running contract basis.
3. The tenders will be opened on the appointed day and time in the office of the undersigned.
4. 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 or such action taken against him as University think fit.
5. Tenderers shall invariably specify in their tenders the delivery conditions including the time required for the supply of articles tendered for.
6. (a) The tenderer shall clearly specify whether the articles offered bear Indian Standards Institution Certification Mark or not. In such cases, they shall produce copies of Certification mark along with their tender in support of it.

- (b) Tenderers shall clearly specify whether the goods are offered from indigenous sources, from imported stocks in India or from foreign sources to be imported under a license. The University reserves the right to reject offers for import of goods if the Import Trade Control Policy in force at the time of award of the contract prohibits or restricts such imports.
7. The final acceptance of the tenders 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 tenders as may be allotted to them.
8. In the case of materials of technical nature the successful tenderer should be prepared to guarantee satisfactory performance for a definite period under a definite penalty.
9. Communication of acceptance of the tender normally constitutes a concluded contract. Nevertheless, the successful tenderer shall also execute an agreement for the due fulfilment of the contract within the period to be specified in the letter of acceptance. The contractor shall have to pay all stamp duty, lawyer's charges and other expenses incidental to the execution of the agreement. Failure to execute the agreement within the period specified will entail the penalties set out in the tiara below.
10. (a) The successful tenderer shall, before signing the agreement and within the period specified in the letter of acceptance of his tender deposit a sum equivalent to 5 percent of the value of the contract as security for the satisfactory fulfilment of the contract. The amount of security may be deposited in Fixed Deposit Receipts in favor of the Finance Officer, University of Calicut. Letters of guarantee in the prescribed form for the amount of security from an approved Bank will also be considered enough at the discretion of University. If the successful tenderer fails to deposit the security and execute the agreement as stated above, the earnest money deposited by him will be forfeited to University and contract arranged elsewhere at the defaulter's risk and any loss incurred by University on account of the purchase will be recovered from the defaulter who will, however, not be entitled to any gain accruing thereby. If the defaulting firm is a registered firm their registration is liable to be cancelled.
- (b) 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 Purchasing Officer 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.
- (c) Even in cases where no alternate purchases are arranged for the materials not supplied, the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded.
- (d) If the contractor fails to deliver all or any of the stores or perform the service within the time/period(s) specified in the contract, the purchaser shall without prejudice to its other remedies under the contract, deduct from the contract price as liquidated damages, a sum equivalent to 0.5% or 1% of the delivered price of the delayed stores or unperformed services for each week of delay until actual delivery or performance, up to a maximum deduction of 10% of the contract prices of the delayed stores or services. Once the maximum is reached, the purchaser may consider termination of the contract at the risk and cost of the contractor.
11. The security deposit shall, subject to the conditions specified herein, be returned to the contractor within three months after the expiration of the contract, but in the event of any dispute arising between the Department concerned and the contractor, the Department shall be entitled to deduct out of the deposits or the balance thereof, until such dispute is determined the amount of such damages, costs, charges and expenses as may be claimed. The same may also be deducted from any other sum which may be due at any time from University to the contractor. In all cases where there are guarantee for the goods supplied the security deposit will be released only after the expiry of the guarantee period.
12. (a) All payments to the contractors will be made by the Purchasing Officer in due course: -  
(i) by cheques or drafts on State Bank of India (at any of their Principal Branches in India),  
(ii) In the case of supplies from abroad by drafts as may be, arranged between the contracting parties.
- (b) All incidental expenses incurred by the University for making payments outside the district in which the claim arises shall be borne by the contractor.
13. The tenderers shall also quote the percentage of rebate (discount) offered by them in case the payment is made promptly within fifteen days of taking delivery of stores.
14. Ordinarily payments will be made only after the supplies are verified and taken to stock. Bank charges

incurred in connection with payment against documents through bank will be to the account of the contractor. The firms will produce stamped pre-receipted invoices in all cases where payments (advance/final) for release of railway receipts/shipping documents are made through banks. In exceptional cases where the stamped receipts of the firms are not received for the payments (in advance) the unstamped receipt of the Bank (i.e., counterfoils of pay-in-slips issued by the Bank) alone may be accepted as a valid proof for the payment made.

15. The contractor shall not assign or make over the contract on 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 purchasing officer who shall have absolute power to refuse such consent or to rescind such consent (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 rescission. 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.
16. In case the contractor becomes insolvent or goes into liquidation, or makes or proposes to make any assignment for the benefit of his creditors or proposes any composition with his creditors for the settlement of his debts, carries on his business or the contract under inspection on behalf of or his creditors, or in case any receiving order or orders, for the administration of his estate are made against him or in case the contractor shall commit any act of insolvency or case in which under any clause or clauses of this contract the contractor shall have rendered himself liable to damages amounting to the whole of his security deposits, the contract shall, thereupon, after notice given by the Purchasing Officer to the contractor, be determined and the University may complete the contract in such time and manner and by such persons as the University shall think fit. But such determination of the contract shall be without any prejudice to any right or remedy of the University against the contractor or his sureties in respect of any breach of contract therefore committed by the contractor. All expenses and damages caused to University by any breach of contract by the contractor shall be paid by the contractor to University, and may be recovered from him under the provisions of the Revenue Recovery Act in force in the State.
- 17.(a) In case the contractor fails to supply and deliver any of the said articles and things within the time provided for delivery of the same, or in case the contractor commits any breach of any of the covenants, stipulations and agreements herein contained, and on his part to be observed and performed. then and in any such case, it shall be lawful for University (if they shall think fit to do so) to arrange for the purchase of the said articles and things from elsewhere or on behalf of the University by an order in writing under the hand of the Purchasing Officer put an end to this contract and in case the University shall have incurred, sustained or been put to any costs, damages or expenses by reason of such purchase or by reason of this contract having been so put an end to or in case any difference in price, compensation. loss, costs, damages, expenses or other money shall then or any time during the continuance of this contract be payable by the contractor to the University under and by virtue of this contract, it shall be lawful for the University from and out of any moneys for the time being payable or owing to the contractor from the University under or by virtue of this contract or otherwise to pay and reimburse to the University all such costs, damages and expenses they may have sustained, incurred or been put to by reason of the purchase made elsewhere or by reason of this contract having been so put an end to as aforesaid and also all such difference in price, compensation, loss, costs, damages, expenses and other moneys as shall for the time being be payable by the contractor aforesaid.
- (b) In case any difference or dispute arises in connection with the contract, all legal proceeding relating to the matter shall be instituted in the Court within whose jurisdiction the Purchasing Officer voluntarily resides.
18. Any sum of money due and payable to the contractor (including security deposit returnable to him) under this contract may be appropriated by the Purchasing Officer or University or any other person authorized by University and set off against any claim of the Purchasing Officer or University for the payment of a sum of money arising out of or under any other contract made by the contractor with the Purchasing Officer or University or any other person authorized by University. Any sum of money due and payable to the successful tenderer or contractor from University shall be adjusted against any sum of money due to University from him under any other contracts.
19. Every notice hereby required or authorized to be given may be either given to the contractor personally or left at his residence or last known place of abode or business, or may be handed over to his agent

personally, or may be addressed to the contractor by post/e-mail at his usual or last known place of abode or business and if so addressed and posted/e-mailed, shall be deemed to have been served on the contractor on the date on which, in the ordinary course of post, a letter so addressed and posted would reach his place of abode or business.

20. The tenderer shall undertake to supply materials according to the standard sample and/or specifications.
21. (a) No representation for enhancement of rates once accepted will be considered. However, in exceptional cases if University is convinced of any compelling need for enhancement of rate, it may do so.  
(b) In the case of imported goods, when the price accepted is the ex-site price quoted by the tenderer, the benefit of any reduction in the C.I.F price should accrue to the University.
22. 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.
23. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of security in the event of default in supplies or failure to supply within the stipulated period.
24. (a) The prices quoted should be inclusive of all taxes, delivery charges including unloading charges etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during execution of the contract.  
(b) In case payment of customs/excise duty is to be made by the Purchasing Officer, the Purchasing Officer will pay the duty on the "unloaded invoice price" only in the first instance, any difference being paid when the tenderer produces, the final assessment orders later.

**FORMAT FOR AGREEMENT (to be submitted along with the tender)**

Articles of agreement executed on this the ..... day of ..... between the Registrar, University of Calicut (hereinafter referred to as “the University”) of the one part and Shri ----- (name and address of the tenderer) (hereinafter referred to as “the bounden”) of the other part.

WHEREAS in response to the Notification No..... dated ..... the bounden has submitted to the University a tender for the ..... specification therein subject to the terms and conditions contained in the said tender;

WHEREAS the bounden has also deposited with the University a sum of ..... as earnest money for execution of an agreement undertaking the due fulfilment of the contract in case his tender is accepted by the Government.

NOW THESE PRESENTS WITNESS and it is hereby mutually agreed as follows:

1. In case the tender submitted by the bounden is accepted by the University and the contract for ..... is awarded to the bounden, the bounden shall within ..... days of acceptance of his tender execute an agreement with the Government incorporating all the terms and conditions under which the University accepts his tender.
2. In case the bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract, the University shall have power and authority to recover from the bounden any loss or damage caused to the University by such breach as may be determined by the University by appropriating the earnest money deposited by the bounden and if the earnest money is found to be inadequate the deficit amount may be recovered from the bounden and his properties movable and immovable in the manner hereinafter contained.
3. All sums found due to the University under or by virtue of this agreement shall be recoverable from the bounden and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as the University may deem fit.

In witness whereof Shri.....(name and designation) for and on behalf of the University of Calicut and Shri ..... Bounden have hereunto set their hands the day and year shown against their respective signatures.

Signed by Shri.....(date).....

In the presence of witnesses:

1. ....
2. ....
3. ....

Signed by Shri.....(date).....

In the presence of witnesses:

1. ....

2. ....