

Centre for Renewable Energy and Materials
Department of Chemistry Building
University of Kerala,
Kariavattom, Thiruvananthapuram-695581
Email:smashibli@yahoo.com

QUOTATION NOTICE

Competitive quotations are invited from reputed firms / manufactures for the supply, installation and commissioning of the following instruments / equipments as detailed below.

Tender Notification Date	: 23/10/2020
Last Date of Issuing Tender Document	: 09/11/2020
Last Date of Receiving Tender/Bid Closing	: 09/11/2020
Date and Time of Opening Tender	: 09/11/2020, 3.00 pm

Documents to be Submitted: Data sheet of the items and Compliance statement, Details of warranty, Address and details of the firm, Financial bid and any other relevant information.

Item No: 1

Ref. No. CREM/Eq/PUR/19/2020

Equipment Name: Spare lamp for Solar Simulator

Quantity: 1 No.

Technical Specifications

Type: Xenon Lamp

Rating: 300W

Design: Short Xenon Arc

Ozone Production: Ozone Free

Spectral Range: Infrared, UV, Visible

Cooling: Forced Air cooling

Lamp voltage: 14~20 Volts

Lamp current: 14~21 Amps

Lamp watts: 300 watts

Suitable for AAA Solar simulator

Item No: 2

Ref. No. CREM/Eq/PUR/20/2020

Equipment Name: High Temperature Tubular Furnace

Quantity: 1 No.

Technical Specifications

Furnace tube dimensions	: Inner diameter up to 75 mm, Outer diameter up to 85 mm, Length up to 1000 mm (alumina tube).
Even Hot zone length	: 200 mm (within ± 2 °C)
Atmosphere	: Operate under Vacuum, Argon, Nitrogen
Maximum operating temp.	: 1400 °C
Temperature accuracy	: ± 1 °C achieved using a PID controller
Power	: 3- 4 kW over 230 V AC supply
Heating element	: Silicon carbide
Connection nozzle	: Inlet and outlets for gas flow should be provided.
Insulation	: Ceramic fibre insulation
Vacuum level	: 760 mm/Hg
Vacuum gauge	: Yes
Safety controllers	: Separate thermocouples for sensing external temperature of furnace tube
Digital gas flow meter	: Yes
Warranty	: 2 years
Digital programme controller	: Option for setting and selecting different programs

A base cum control panel of floor mounting type and should be fitted and wired making use of cable marking ferrules with the following instruments : Digital programmer controller, Over temperature safety controller, Meter with a current transformer, Voltmeter, Magnetic contactor with a safety controller and vacuum pump, HRC fuses, Control switches for master control, heating, and pump, & Lamps

Tender Inviting Authority: Director, Centre for Renewable Energy and Materials, University of Kerala, Kariavattom Campus, Thriuvananthapuram, Kerala-695581.

Terms and Conditions

1. Incomplete & conditional quotations and quotations received after the due date will be summarily rejected without assigning any reasons thereof.
2. The Bidder shall quote the price in clear terms and the specification of products. The rates quoted must be inclusive of all taxes, cost of supply at the site, warranty and installation charges etc.
3. The price should be quoted only in Indian rupees. The bid shall be typed and signed by the bidder.
4. All the documents mentioned above shall be submitted without fail.
5. **Validity:** The Bid will be valid for 90 days from its date of opening. Further extension can be done by mutual consent.
6. **Delivery:** The item should be delivered at the Centre for Renewable Energy and Materials, University of Kerala, Kariavattom Campus.
7. **Installation and commissioning:** The items shall be installed and commissioned at the Centre for Renewable Energy and Materials, University of Kerala, Kariavattom Campus. All incidental expenses should be borne by the supplier.
8. **Payment:** The University will release the payment only after inspecting the equipment and satisfy that the supply is as per the requirements. The payment will be made after successful completion of the supply and producing invoice in duplicate.
9. **Warranty/Guarantee:** The supplier shall guarantee to repair/replace the items or its part – if found defective within the warranty period. The entire expenditure for repair/ replace of the item in this regard shall be borne by the supplier.

10. **Service facility:** Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales service.

11. In case of the dispute arises, the decision of University authority shall be final and binding on bidders.

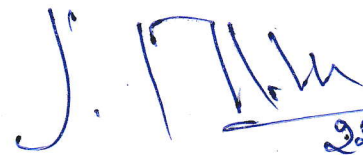
12. The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof.

13. General rules relating to the purchase of materials/equipment will also applicable to this tender.

14. Those who are interested should send their bid in a sealed cover superscribed with **“Quotation for Ref. No: (.....) Equipment Name: (.....)”** and addressed to The Director, Centre for Renewable Energy and Materials, Department of Chemistry Building, University of Kerala, Kariavattom Campus, 695581, Thiruvananthapuram, Kerala.

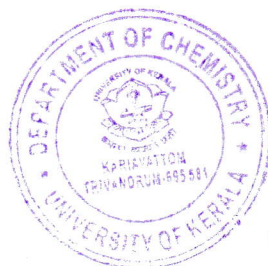
15. Those firms who are interested to quote more than one instrument should sent individual quotations for each item separately.

16. The bids shall be opened at the office of the Director, Centre for Renewable Energy and Materials, University of Kerala, Kariavattom Campus on the Date mentioned above. If the above date of opening tender happens to be on a holiday or due to any other valid reason, the tender opening process will be done on the next working day or the day fixed by the undersigned.


22/10/20

Hon. Director

Centre for Renewable Energy and Materials
University of Kerala



Hon. Director
Centre for Renewable Energy and Materials
University of Kerala, Kariavattom Campus
Thiruvananthapuram - 695 581

S.M.A. SHIBLI
Professor
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