



UNION CHRISTIAN COLLEGE

(Affiliated to Mahatma Gandhi University, Kottayam)

Re-Accredited with 'A' Grade (Cycle-3) by NAAC

Post Box: 5

Aluva- 683 102

Ernakulam Dt. Kerala

Fax: 91-484- 2607534, 2609194

2606033, 2609194

Email: ucc@uccollege.edu.in

TENDER NOTICE

12/07/2023

No. 3/23/KSCSTE-SRSPS/2022

Sealed tenders are invited for the purchase of following equipments for CVD apparatus under KSCSTE -SRS project entitled "Fabrication of low temperature, stable & sensitive gas sensors based on MoO_3 -TMD(MoS_2) Nanohybrid Structure an attempt for prototyping"(File no.: KSCSTE-SRS/916/2022) with Dr. Reshmi R, Principal investigator, Assistant Professor, Dept. of Physics, Union Christian College, Aluva, Kerala as per the specification appended.

No.	Items	Specifications
1	Tube furnace for CVD: Double Zone, horizontal split furnace	<ul style="list-style-type: none">• Maximum temperature 1200 °C {High temperature Zone: 400°C - 850°C [outlet side], Low temperature Zone: 100°C -300°C [Inlet side]}• Furnace with Precision temperature controller suitable for holding quartz tube inside (Heating and cooling rate, temperature ramp up and down rate: 15/20°C per minute)• Precision Moving system for furnace• Suitable Frame work with support system for entire assembly
2	Quartz tube	<ul style="list-style-type: none">• outer diameter 60mm• wall thickness 2.5 mm• length: 1m• stainless steel end collections and Support system with flexible connections
3	Pumping system	<ul style="list-style-type: none">• Rotary Vacuum Pump with vacuum connections• 1' baffle Valve• Stainless steel flexible Hose 1 meter• Pirani gauge
4	Mass Flow Controller and its accessories	<ul style="list-style-type: none">• Flow Range: 500 SCCM• Medium: pre-calibrated for Non-Corrosive Multigas• Display: Standard Display Pre Calibrated for 20 Different Gases and 10 Gas Mixtures can be selected through Local Display, Analog Input and RS-232.• Accuracy \pm (0.5% RD+ 0.2% of FS)• Operating Range 0.5% - 100% of Full Scale• Standard Conditions (STP) 25°C &



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		<p>14.696PSIA</p> <ul style="list-style-type: none">• Operating Temperature 10 to +60 °Celsius• Operating Pressure: Max 160PSIA/1 Obar• Proof Pressure: 175/145 psig• Input / Output Signal Analog Mass Flow 0- 5Vdc/0-5 Vdc• Electrical Connections DB9M Pin Mini-DIN Supply Voltage 12 to 30 Vdc Supply Current 0.250Amp• Warm up time < 5 seconds• Power supply is required• Alicat or Aalborg MFC is preferred
5	Laptop	<ul style="list-style-type: none">• Intel i3-1115G4/Ryzen3-3250U• 8GB RAM• 256/512 GB SSD• 1 TB HDD
6	Argon gas cylinder	<ul style="list-style-type: none">• Ultra pure• Cylinder with regulator

The envelopes containing the tender should bear the superscription "Tender, Purchase of Equipment- KSCSTE-SRS Project, Department of Physics" and should be addressed to The Principal, Union Christian College, Aluva, Kerala, 683102.

The tender should keep the rates of items firm at least for a period of four months.

Last date for receipt of tenders will be **08/08/2023, 3.00 pm**. Late tenders will not be accepted.

The tender forms with detailed specification and terms and conditions can be downloaded from the college website (www.uccollege.edu.in/tenders) and should submit a demand draft worth 0.2% of the quoted amount (minimum Rs.500)+18% GST favoring "The Principal, Union Christian College, Aluva" payable at Aluva.

The tenders will be opened at **3.30 pm** on **08/08/2023** in the presence of tenderers or their authorized representatives who may be present at that time.

Intending tenderers may, on application to THE PRINCIPAL, UNION CHRISTIAN COLLEGE, ALUVA-2 obtain the requisite tender forms on which tenders should be submitted.

Application for the tender form should be accompanied by a cash remittance of 0.2% of the quoted amount (minimum of Rs.500/-) (18% GST) which is the price fixed for a form /set of forms and which is not refundable under any circumstances. The tender forms are not



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transferable.

An agreement has to be executed by you in the prescribed form on stamp paper of value Rs.200/- purchased in the Kerala state as per store Purchase Manual 2013 along with sealed tender.

The tender documents should contain:

1. Prescribed tender form and declaration (can be downloaded from the website www.uccollege.edu.in/tenders) duly signed and sealed.
2. Tender agreement (www.uccollege.edu.in/tenders) on a stamp paper worth Rs.200/- duly signed and sealed.
3. Detailed technical specifications and original brochure and literature supporting technical specifications.
4. Compliance to payment condition and delivery period and place of delivery.
5. Warranty and training details if any.
6. Price of the equipments and its accessories, of essential spare parts.

Aluva
12-07-2023


Prof. Dr. M. I. Punnoose
Principal
Union Christian College, Aluva-2



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TENDER FORMAT

Tender No.....TENDER/ UCC/ KSCSTE-SRS/ PHY/ DR.RESHMI R for equipment- KSCSTE/SRS Project, Department of Physics, Union Christian College, Aluva-2	
Due date and time for receipt of tender	08-08-2023 3.00 pm
Date and time for opening of tender	08-08-2023 3.30 pm
Date up to which the rates are to be firm	Up to four months
Price of tender form	0.2% of quoted amount (minimum Rs.500/-) + 18% GST
Address of Officer from whom tender forms are to be obtained and to whom tenders are to be sent:	THE PRINCIPAL, UNION CHRISTIAN COLLEGE,ALUVA 2

Name of Office: Union Christian College

(Designation of purchasing Officer)

Station: Aluva.

Date: 12-07-2023

PRINCIPAL,
UNION CHRISTIAN COLLEGE,
ALUVA 2

SCHEDULE OF ITEMS

Sl. No	Item	Specifications(Model and Make)	Unit	Rate (Rs.Ps)	Remarks

Period within which items should be delivered: 30 working days after the receipt of order other special conditions: Price should be inclusive of taxes.

Place

Name & Address of Tenderer:

Date

Signature:

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TERMS AND CONDITIONS

1. The latest model shall be quoted and certified.
2. The quoted price should include cost of the instrument, freight, insurance, customs duty, clearance charges, entry tax (if applicable at the time of installation), installation and commissioning.
3. Payment terms: 75% of the total value will be released on presentation of dispatch documents through bank. Balance 25% after successful commissioning and acceptance by the end user.
4. Customs duty percentage and the CIF price on which it is based should be clearly specified in the tender and if the customs duty exemption certificate is secured the corresponding amount will be deducted from the bill.
5. The tenderers should verify and make sure that the claims made by them against items towards Sales tax, customs duty, excise duty etc., are not more than those permissible under the provisions of the laws in force, and that they will refund any excess claims admitted in this respect.
6. The offers should be kept open for a period of four months from the date of opening tenders. Acceptance of the offers will be intimated to the successful tenderers within that period. Tenderers will however, be given the option to keep their offers open for a further agreed period if there be any delay in intimating the acceptance.
7. The installation should be done by the supplier free of cost .
8. Delivery period: The equipment and its accessories should be completely supplied, installed and commissioned to the satisfaction of the Department of Physics within 45 days from the date of supply order or date of L/C whichever is later.
9. Warranty: The entire equipment and its accessories should have comprehensive **warranty of two years** from the date of acceptance by the end user. If any spares are to be imported during warranty period, the cost, insurance, freight, customs duty and clearance charges should be given by the vendor.
10. The rates of terms of AMC (both comprehensive and labour) for a minimum period of three years after the warranty period shall be clearly specified. Both comprehensive and labour AMC amounts will be taken into consideration for final selection.
11. During warranty and AMC period, the vendor shall give an uptime guarantee of 95% or more.
12. Training: In order to fully and optimally utilize the equipment, necessary onsite training should be given to the Physics department staff free of cost
13. List of installations in Kerala over the past three years shall be provided.
14. Number of trained engineers available in Kerala and nearest service station shall be mentioned.
15. *Wherever options are called for in respect of specifications, the tenderer should indicate all such options.*
16. The exact specifications, details of make, model number, name of manufacturer etc., of the equipment offered must be clearly specified. Copies of detailed technical literature



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and illustrated brochures of the units quoted are to be included along with the offer. Offers without these are liable to be rejected. List of users giving the exact address of the contact persons and the model number of the units available at these locations have to be provided.

17. Instrument operating manuals have to be provided along with the supply.
18. Evidence of exclusive/authorized distributorship from foreign principals should be Provided along with the offers for overseas products.
19. Period of firmness of the quoted prices should be clearly stated in the offer.
20. The undersigned reserves the authority to accept or reject any or all of the offers for any particular item without assigning any reason whatsoever.
21. All the rules and regulation applicable to Government tenders will be applicable to this tender also.
22. The tenderer must give an agreement on a stamp paper worth Rs.200/-.
23. The following declaration should be given by the tenderer while submitting the tender:

Declaration

(a) I/we have downloaded the tender form from the internet site www.uccollege.edu.in and I/we have not tampered / modified the tender forms in any manner. In case, if the same is found to be tampered / modified I/we understand that my/our tender will be summarily rejected and full earnest money deposit will be forfeited and the contract will be terminated at my/ our risk and cost.

(b) I/we am/are submitting a demand draft no. _____ dated _____ issued by _____ for Rs. _____ towards the cost of tender form.

Signature of Tenderer:

Date:

Address:

(Seal)

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