

Department of Instrumentation

ഇൻസ്ട്രുമെന്റേഷൻ വകുപ്പ്
Cochin University of
Science and Technology



KOCHI - 682 022, Kerala, India
Telephone: Off: (0484) 2575008
Fax: 0484-2577595
E-mail: instrumentation@cusat.ac.in

HEAD OF THE DEPARTMENT

DIN/23/ EssEqp/2022-22/ 10424

13/07/2022

TENDER NOTICE

Sealed tenders are invited for the supply of Dual Channel Digital Storage Oscilloscope, Signal Generator and Multi Output Power Supply with the specifications given below for the use in the Department of Instrumentation:

Sl. No.	Item & Specification	Quantity required
	<u>TENDER NO. DIN/23/2022-23/EssEqp</u>	
1.	<p><u>Dual Channel Digital Storage Oscilloscope</u></p> <p>Real Time Sampling 500Ms/s or better Equivalent Sampling 50GS/s or better</p> <p>Channels 2 analog input channels Bandwidth 50MHz or better</p> <p>Vertical Scale 2mV/div to 10V/div Vertical Gain Accuracy 2mV/div Variable Gain Ranges : $\leq \pm 4\%$ 5mV/div to 10V/div in Fixed Gain Ranges: $\leq \pm 3\%$</p> <p>Time Base Range 5ns - 50s/div</p> <p>Trigger Source CH1, CH2, EXT, AC Line</p> <p>Storage Internal: 2 reference waveform, 20 setup files & 20 captured waveform files USB: Setups, Waveforms, CSV file, BMP</p> <p>Interface USB HOST, USB DEVICE, RS232C, LAN & PASS/FAIL OUT</p> <p>Display Screen TFT LCD display, 7.0" or better</p> <p>Accessories Probes (2 Nos), Power cord, USB cable</p> <p>Warranty Minimum One year</p>	12 Nos.
2.	<p><u>Signal Generator</u></p> <p>No. of channels Single Frequency Output 10 MHz or better Sample Rate 125MSa/s or better</p> <p>Standard Waveform Sine, Square, Pulse, Ramp and Noise</p> <p>Frequency Characteristic Sine 1µHz to 10 MHz</p>	6nos.

	Square	1 μ Hz to 5 MHz	
	Ramp	1 μ Hz to 1 MHz	
	Pulse	1 μ Hz to 5 MHz	
	Output Amplitude	1mVpp – 20 Vpp (high impedance) 1mVpp – 10 Vpp (50 Ω)	
	Accessories	Mains cord, Output Cable, USB Cable	
	Warranty	Minimum One year	
3.	<u>Multi Output Power Supply</u>		6nos.
	DC Output	0-30V/2A, \pm 15V/1A, 5V/5A	
	Display	Switchable 3 digit seven segment LED for Voltage & Current	
	Input Supply	230AC \pm 10% /50-60Hz	
	Warranty	Minimum One year	

Earnest Money Deposit (EMD) : 1% of cost of item (subject to a minimum of Rs.1500/-)
 Tender Form Cost : 0.2% of item cost + 18% GST (Inclusive of all taxes)
 Tender Form download : Download from www.din.cusat.ac.in .
 Last date for submitting Tender : 29/07/2022, 3:00 pm.
 Date of opening : 30/07/2022, 10.00 am.
 Bid Validity : 90 days

Sealed Tender with all enclosures attached herewith and superscription, **“Quotation for the supply of Essential Equipments for the Lab, Last Date: 29/07/2022”** shall be sent through Speed Post/Registered Post/Courier Service so as to reach the undersigned on or before 29/07/2022, 3:00 pm. The Cost of Tender form & EMD shall be submitted along with the Tender form by way of separate DD's drawn in favour of The Head, Department of Instrumentation, CUSAT.

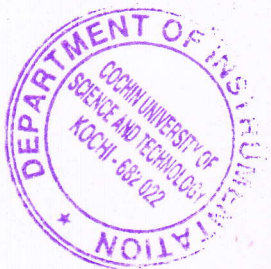
Please note the following:

- Tenders must be accompanied by two demand drafts-one for 0.2% + 18% GST of item price towards the Tender Form cost and the second Demand Draft, equivalent to 1% of the estimated amount as Earnest Money Deposit, drawn in favour of The Head, Department of Instrumentation, CUSAT payable at the Cochin University Branch of State Bank of India.
- EMD of the unsuccessful tenderer will be returned after finalization of the tender. EMD of the successful tenderer will be returned after the successful supply and installation of the equipment.
- An Agreement (as given as Annexure in the tender form) is to be executed in Kerala Government Stamp paper for Rs. 200/-.
- An amount equivalent to 5% of the total cost of the item is to be given as bank guarantee by the successful tenderer.
- The price quoted should be inclusive of all duties, taxes, delivery, installation, commissioning charges and **the warranty period should be specified.**
- After receiving the Purchase Order, the item has to be supplied to the Department of Instrumentation as well as installed and all formalities completed within 3 weeks maximum from the date of Purchase Order, free of cost.

- vii) Apart from the specifications mentioned above, the tender should contain detailed brochures/information sheet of the product should be furnished along with brand name and other necessary certificates like OEM, authorization etc if any.
- viii) List of customers should be attached along with quotations (preferable).
- ix) GST registration number and PAN (income tax), copy of GST registration certificate should be given along with the tender. CUSAT GST NO. is 32AAALC0844J1ZJ. An undertaking attached with the tender documents should be submitted in your letter head along with tender.
- x) Please note that, as per the Govt. of India notification No. 45/2017- Central Tax (Rate) and No.47/2017- Integrated Tax (Rate) dated 14/11/2017, Department of Instrumentation is entitled for GST at a concessional rate of 5% as it is a research institute. The necessary documents will be issued along with the supply order to the selected firm.

Address:

The Head
Department of Instrumentation
Cochin University of Science & Technology
Kochi-682022, Kerala, INDIA.




Head of the Department

HEAD
DEPARTMENT OF INSTRUMENTATION
COCHIN UNIVERSITY OF
SCIENCE AND TECHNOLOGY
KOCHI-682 022, KERALA

Agreement

Articles of agreement executed on this the day of Two
Thousand and BETWEEN the Registrar of Cochin University of Science &
Technology (hereinafter referred to as “the University”) of the one par and
Shri.....
... (the 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 Specified therein subject to the terms and
conditions contained in the said tender;

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

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 University 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 Registrar of Cochin University of Science & Technology and Shri
..... the bounden have hereunto set their hands the day and year
shown against their respective signature.

Signed by Shri. (date)

In the presence of witnesses: 1. 2.

Signed by Shri. (date)

In the presence of witnesses: 1. 2.

APPENDIX VI

Letter of Tender

From

.....
.....
.....

To

The Head, Department of Instrumentation
Cochin University of Science & Technology
Cochin – 22.

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, at the rates quoted against each item. The articles will be delivered within the time and at the places specified in the schedule.

Yours sincerely,

Signature

Address

.....
.....

.....

Date:

TENDER TERMS

Sealed Tenders are invited for the supply of Dual Channel Digital Storage Oscilloscope, Signal Generator and Multi Output Power Supply as specified in the schedule below/attached:

1. The Tenders should be addressed to The Head, Department of Instrumentation, Cochin University of Science and Technology, Cochin-22, in a sealed cover with the tender no. and name duly super scribed on the cover. Tenders should be sent by Registered post or Speed post/Courier service only. Tenders will not be accepted by personal delivery.
2. Price quoted should be on the basis of delivery at site. The Purchaser will not pay separately for transit insurance. The transit being exclusively of the contractor and the purchaser shall pay only for such stores as are actually received in good condition in accordance with the contract.
3. Quotation should be valid for at least 90 days from the date of opening of the tender.
4. The time for and the date of delivery of the stores stipulated in the Purchase Order shall deemed to the essence of the contract and delivery must be completed not later than the date specified therein, failure to do so, without adequate justification may involve cancellation of the contract at the discretion of the Purchaser.
5. (a) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two units must be furnished. (b) Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. When there is difference between the amount quoted in words and figures amount quoted in words shall prevail.
6. The purchaser reserves the right to accept or reject any quotation fully or partly without assigning any reasons.
7. Payment terms are full payment within 60 days from the date of receipt, installation and commissioning of the equipment. Our Bankers are State Bank of India, Cochin University Campus Branch, Cochin – 682 022.
8. Late/Delayed Tenders will not be considered.
9. Where counter terms and conditions/printed or cyclostyled conditions of sale have been offered by the tenderers, the same shall not be deemed to have been accepted by the purchaser unless the purchaser's specific written acceptance thereof is obtained.
10. Specifications: Stores offered should strictly conform to our specifications. Deviations if any, shall be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provided catalogue, technical literature and samples wherever necessary along with the quotations Test certificate wherever necessary should be forwarded along with supplies whenever options are called for in our specifications, the tenderer should address all such options, wherever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate response for the same even in such case, the tenderer should state why he cannot meet our specification and why he is suggesting the change.
11. Guarantee: The stores offered should be guaranteed for a minimum period of one year against defective stores design, operation or manufacture from the date of installation and commissioning. An installation / commissioning report should be submitted by the Contractor. For defects noticed during the guarantee period, replacement/rectification should be arranged free of cost within a reasonable period of such notification. In cases where our specifications call for a guarantee period more than 12 months specifically then such a period shall apply.

12. The Contractor shall at all times indemnify the purchaser against all claims which may be in respect of the stores for infringement of any right protected by Patent, Registration or design or lands mark and shall take all risks of accidents or damage. Which may cause a failure of the supply from whatever causes arising and the entire responsibility for the sufficiency of all means used by him for the fulfillment of the contract.

13. Arbitration in the event of any question dispute or difference arising under these conditions or any condition contained in the Purchase Order or in connection with this contract. (except as to any matters the decision of which is specially provided for by these conditions). The same shall be referred to the sole arbitration of the Head of the Purchase Office or some other person appointed by him. There will be no objection that the arbitrator is a Government Servant that he had to deal with matter which the contract relates or that in the causes of his duties as Government Servant has expressed views on all or any of the matters in disputes or difference. The award of the arbitrator shall be final and binding on the parties of this contract. It is a term, of the contract. (a) If the arbitrator be the Head of the Purchase Office: i) In the event of his being transferred or vacating his Office by resignation or otherwise. It shall be lawful or his successor in office either to proceed with the reference himself for to appoint another person as arbitrator or ; ii) In the event of his being unwilling or unable to act for any reason it shall be lawful for the Head of the Purchase Office to appoint another person as arbitrator or; (b) If the arbitrator being a person appointed by the Head of the Purchase Office: In the event of his denying or neglecting or refusing to act, or resigning or being unable to act, for any reason, shall be lawful for the Head of the Purchase Office either to proceed with the reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator subject as aforesaid, the Arbitration Act 1940 and the Rules there under and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceedings under the clause. The Arbitrator shall have the power to extend with the consent of the Purchaser and the Contractor the time for making and publishing the award. The venue of arbitration shall be the place as the Purchaser in his absolute discretion may determine work under the contract shall if reasonably possible continue during Arbitration Proceedings.

14. Successful Tenderer will have to furnish in the form of a Bank Guarantee or any other form as called for by the Purchaser towards adequate security for the materials/property provided by the Purchaser for the due execution of the Contract.

15. Packing and Forwarding: The Contractor will be held responsible or the stores being sufficiently and properly packed for transport by rail, road; and or air to withstand transit hazards and ensure safe arrival at the destination. The packing and making of packages shall be done by end at the expense of the Contractor.

16. "The Purchaser reserves the option to give price preference to the offers from Public Sector units and/or Small Scale/Cottage Industries/Units over those from other units, in accordance with the policies of the Government from time to time"

17. The Tenderer should show the GST Registration No. and the PAN No. in the tender failing which quotations are liable to be rejected.

18. The quotation with price variation clause and/or "subject to prior sale" conditions is liable to be rejected.

19. The confirmation of supply order is decided not only on lowest rate but also on quality of item for the scheme/project to which it is being procure.

20. The Rules of the store purchase manual of the state will be applicable to these tender and further proceedings.

21. The university is exempted from the payment of Excise /customs duty for the purchase of equipments for research purpose. Necessary certificate will be provided for availing exemption. If the duty is Nil, 'NIL' certificate should be mentioned in the tender.

22. Vide Circular No: Accts 1/A4/GST dated 25.09.2018, from 01.10.2018 onwards **GST TDS @2% (of total contractual value of those services availed or purchased made only that exceeds Rs.2,50,000/-)** has to be deducted for making payments to outside agencies. Accordingly university will deduct 2% of TDS on GST of taxable value in the invoice of above Rs.2,50,000/- at the time of release of payment.

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

Cochin - 682 022, Kerala.

TENDER FORM

From

.....
.....
.....

Date of tender Notice :

Tender No : DIN/23/2022-23/EssEqp

Due on : 29.07.2022 up to 3.00 pm

Date of opening : 30.07.2022 at 10.00 am

To

The Head, Department of Instrumentation

Cochin University of Science & Technology

Cochin – 22.

Sir,

Tenderer's Ref. No. :

Date :

I/We hereby offer to supply the stores detailed herewith/below at the price hereunder quoted and agree to hold this tender form open till I/We shall be bound to supply the stores hereby offered on receipt of the Purchase Order communicating the acceptance thereof on or before the expiry of the last mentioned date. You are at liberty to accept any one or more of the items of stores tendered for or any portion of any one or more of items of such stores. Notwithstanding that the offer in this tender has not been accepted in whole, we shall be bound to supply to you such items and such portion or portions or more of the items as may be specified in the said Purchase Order communicating the acceptance

Sl. No.	Description #	Quantity	RATE			GST	Delivery Terms
			Unit	Rs.	Ps.		

Details can be attached in separate sheets, if required.

Date of Delivery

We have understood the terms and conditions of the contract and the instructions to tenderers annexed to the invitation to tender and have thoroughly examined the specifications/drawing and/or pattern quoted or preferred to herein and are fully aware of the nature of stores required. Our offer is to supply the stores strictly in accordance with the requirements subject to the terms and conditions contained in the purchase order communicating the acceptance of this tender either in whole or in part.

UNDERTAKING

I/We, (give the name & address of the firm/ contractor with GST Registration Number) hereby solemnly declare that, due to the implementation of GST from 1st July 2017, I/We have passed all the benefits obtained by way of any reduction in rate of tax on any goods or service or input tax credit to the Cochin University of Science & Technology (GSTIN NO: 32AAALC0844J1ZJ) by way of commensurate reduction in the price. I declare that above is true and correct and is legal obligation on my/ our part as per the section 171 of the Central & State GST Act 2017.

Signature with Name, GST Registration no. &
complete address of the firm/contractor