

Aliah University

(A UGC & AICTE approved autonomous Institution under the Dept of MA&ME, GoWB) IIA/27, New Town, Rajarhat, Kolkata – 700 160, West Bengal

Web: www.aliah.ac.in

NOTICE INVITING QUOTATION

Ref No **044/AU/REG/NIQ/22-23**

Date 24/02/2023

Sub: Sealed Quotations are invited from the bonafide and resourceful Contractors/Service Providers/Agents for Supply & Installation of Scientific SMO502 50MHz Digital Oscilloscope 2-CH ,500M Sa/s real time sampling rate, 32Kpts Memory depth ,Standard interfaces, USB Host, support USB storage and FW in Optical Lab for Department of ECE, Aliah University, New Town Campus.

Aliah University, Kolkata a Premier Educational Institute under the Dept of MA&ME, GoWB, invites Sealed Tenders are invited from the bonafide and resourceful Contractors/Service Providers/Agents for Supply & Installation of Scientific SMO502 50MHz Digital Oscilloscope 2-CH,500M Sa/s real time sampling rate, 32Kpts Memory depth, Standard interfaces, USB Host, support USB storage and FW in Optical Lab for Department of ECE, Aliah University, New Town Campus. The tentative quantity of the required items along with technical specification of each items are mentioned at Annexure (A) separately. Aliah University is looking for interested bidders who have experience in supplying of mentioned (Annexure A) type of items. NIT document will be downloaded from Website of Aliah University, http://www.aliah.ac.in. Tender must be submitted on or before 06/03/2023 at 03 P.M at the Office of the Registrar, Aliah University, IIA/27, New Town, Kolkata- 700160, West Bengal, India by Speed-post/registered Post/by hand. Incomplete applications or applications received after the last date of submission will not be considered. **The** sealed envelope must be with super scribing the Name, e-mail, Contact No. of Quotationer, NIQ Reference Number and Purpose of NIQ. Interested bidders are requested to provide their Quotes following the format in Annexure- II i.e. Technical Documents (A) and Compliance Sheet (B) in their official letter heads along with signed Price Bid (Annexure- III). They must read and accept Terms and Conditions and scope of work of this NIQ as per Annexure- I. For any information in this regard please visit ECE Department, Aliah University, New Town Campus. Information may also seek from the following e-mails to registrar@aliah.ac.in; storeandpurchase@aliah.ac.in and the emails will be forwarded to the respective Department/Section.

S1.	Schedule	Date & Time
	Date of uploading of NIQ (Publishing Date) at Aliah University Website	24/02/2023 at 05 P.M
2	Bid submission start date	25/02/2023 at 12 P.M
3	Bid Submission closing	06/03/2023 at 03 P.M (Strictly)
	Techno Commercial Bid opening date O/o The Registrar , IIA/27, New Town, Rajarhat, Kolkata - 700 160.	06/03/2023 at 04 P.M (The Bid Opening date and time is
		tentative and could be open on availability
		of Concerned Committee Members)

Sd/-Registrar

ANNEXURE I: GENERAL TERMS & CONDITIONS

- 1. **The material must be Supply & Installation** within 15 days of issuing work order to the Department of Electronics and Communication Engineering, Aliah University, New Town Campus.
- 2. The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Size and weights of packing case shall take into

consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

- 3. The Quotationer should bear all the transportation & insurance **risk** till the on door delivery point. The insurance shall be in an amount equal to 100 % of the value of the Goods from "Warehouse to final destination" on "All Risks" valid for a period not less than 1 month after installation and commissioning and issue of acceptance certificate by the Aliah University. Should any loss or damage occur, the Supplier shall (a) Initiate and pursue claim till settlement, and (b) Promptly make arrangements for repair and/or replacement of any damaged item/s irrespective of settlement of claim by the underwriters. Selected bidder shall take all possible care for Govt. Property & of any damages due to negligence of his workers; the bidder/Agency shall be responsible for all such damages & repair the same at his own cost.
- 4. Aliah University may grant an extension of time limit set for the completion of the work in case the timely completion of the work is delayed by force majeure beyond the contractor's control, subject Force majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states, the direct and indirect consequences of wars (declared or un declared), hostilities, national emergencies, civil commotions, epidemic/pandemic and strikes (only those which exceed a duration of ten continuous days) at successful Bidders factory.
- 5. **The rates** so quoted must be inclusive of GST, Central Excise, customs Duty if any, packing freight to destination, Insurances and levies and necessary installation and fixing at designated places at Aliah University and all charges i.e. cost of Equipment and other incidental charges for supplying at destination level and delivery charges up to the point of delivery at proper destination level and as per instruction in the work/ supply order. No extra charges will be entertained. Prices can be quoted in Indian Currency only (₹).No extra payment will be made for carrying of materials involving head load/ trolley etc.
- 6. Supply of Items will be made in conformity with the specification & time as mentioned in the work order as decided by the authority. **No deviation in specification** will be accepted. After delivery of the materials to the respective points by selected bidder (s), authority reserves the right to collect the samples of supply the materials at random basis and send those materials for testing to ensure the quality of products etc. If it is found that materials are not according to the specification, the authority has every right to cancel the total lot or otherwise forfeit the security money, blacklisting the respective Manufacturer / Supplier and terminate the contract.
- 7. If any part of the service in respect of the work assigned and undertaken by you not rendered/delivered in time, Aliah University shall be entitled to levy and recover liquidated damages/ penalty at 1% per week or part thereof the delay/ default, subject to 5% maximum, on the payment due to the agency/contractor for the particular stage. Any delay beyond scheduled dates may attract higher penalty to be decided by the Aliah University
- 8. The bidder will be selected on individual items rate only. The bidder must quote in all items otherwise their bids will be rejected.
- 9. All disputes are subject to exclusive jurisdiction of competent Court and Forum in Kolkata, India only.
- 10. Any dispute arising out of this contract shall be referred to the Registrar, Aliah University, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Vice-Chancellor of the University. The decision of such Arbitrator shall be final and binding on both the parties.

11. This is a Techno-Commercial bid. Partial Tenders are not allowed for this Tender i.e. bidder may quote all item. For individual item lowest bidder (L1) may be selected.

12. Payment Condition:-The prices shall be inclusive of all taxes & levies including GST and other statutory duties as applicable. Rate of taxes should be indicated separately in the Price Bid. Contract Price specified in Price Bid should be based on the taxes & duties and charges prevailing at the date one day prior to the last date of Bid submission. Statutory deduction, wherever applicable, shall be made from invoice as per government rules. Necessary certificate will be issued for such deductions. Bidder submitting a bid shall produce valid statutory documents / certificates with respect to GST, Income Tax, ROC, Prof. Tax, Trade License, etc. All such documents / certificates shall remain valid on the last date of Tender submission. GST component of the invoice of the bidder may be kept on hold in case there is any mismatch / irregularity in GST return filling on the part of the bidder. 100% payment will be released duly certified by the concern authority and immediately on receipt of payment from the Govt. Department (within 60 days from the submission of bills). The payment will be made by RTGS / FUND Transfer mode only. Advance payment not allowed. Hence, following information must be clearly written in the Price Bid for RTGS / FUND TRANSFER:

- A. Name of the Firm with complete postal address
- B. Name of the Bank with Branch where the Account exist
- C. IFSC CODE
- D. ACCOUNT No
- E. PAN No

14. Supplier must provide the warranty/guarantee for the installation against any 'installation fault'/ 'material defect'/ 'loose components' etc. for a minimum of 1 (One) years from the date of successful installation.

- 15. The Quotations are liable to be rejected if the fore going conditions are not complied with. The bid should be complete in all respects and duly signed wherever required. Incomplete and unsigned offer will not be accepted.
- 16. The products asked for should be of very high standard and of reputed brand and preferably with **B.I.S/I.S.I** code.
- 17. The rates quoted will remain valid for one year from the date of acceptance of this award of contract. However, the contract can be extended for a further period of one year at the discretion of this University on the same rates and the same terms and conditions.
- 18. The Honorable Vice Chancellor, Aliah University reserves the right to accept in part or in full any quotation or reject any quotation without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected quotationer or quotationers.
- 19. All bidders are required to visit the installed machines on site before submitting the proposal. Please visit ECE Department, Aliah University, New Town Campus, IIA/27, New Town, Kolkata- 700160
- 20. **Inspection and Quality Control tests** before evaluation, prior to shipment of Goods and at the time of final acceptance are as follows: Inspection of Goods including functional testing, burning tests and mains fluctuation test at full load, facilities etc., as per the standards may be done at factory site of the Supplier before award of the Purchase Contract, by the Aliah University; Provided that the Aliah University may, at its sole discretion, waive inspection of goods having regard to the value of the order and/or the nature of the goods and/or any other such basis as may be decided at the sole discretion of the Aliah University meriting waiver of such inspection of goods.

<u>Annexure II: Technical Bid Application Format</u> (Please attach all relevant documents)

To, The Registrar Aliah University IIA/27, New Town, Kolkata-700 160

Sub: Application	for Supply &	Installation	of Scientific	SMO502 50MF	Iz Digital Osc	cilloscope 2-CH
,500M Sa/s real	time sampling	rate, 32Kpts	Memory depth	Standard in	terfaces, USE	Host, support
USB storage and	FW in Optical L	ab for Departr	nent of ECE, A	liah University	, New Town C	ampus.

Sir,			
	1. ABOU	THE ORGANIZATION	
1.1	Name of the Organization		
1.2	Name of Authorized Person		
1.3	Registered Office Address with telephone no. & email address		
1.4	Authorized Service Station Name, address, contact person name, phone number, e-mail		
	2. TEC	CHNICAL DOCUMENTS	
2.1	Company Registration No./Trade Lice Deed No. (Please attach documentary	, _	
2.2	PAN Registration No (Please attach do with this NIQ Document)	ocumentary evidence	
2.3	GST Registration No (Please attach do with this NIO Document)	ocumentary evidence	

2.4

Technical Compliance Sheet

Para of Tender	Specification of Items/Components Offered			Compliance	In case of
	Specification of fields/ Components Offered			to Tender	
Enquiry Specification					noncompliance
For any enquiry/			specification	Deviation from	
clarification /measurement bidders				whether yes	Tender
are requested to				or no	Specification
visit/Contact the site					to be indicated
-					_
ECE Department,					in
Aliah University New					unambiguous
Town Campus, IIA/27, New Town, Kolkata –					term.
700160					
1		2		3	4
Supply &	Techr		00 MHz Digital Oscilloscope		-
Installation of	S.No.	Parameter	Specification		
Scientific SMO502	1.	No. of Channels	2		
	2.	Bandwidth	50 MHz		
50MHz Digital	3.	Real time Sampling	500 MSa/s		
Oscilloscope 2-CH	4.	Equivalent Sampling	50 GSa/s		
,500M Sa/s real	5.	Memory	32kpts		
time sampling rate,	6.	Vertical Resolution	8 bits		
32Kpts	7.	Coupling	AC, DC, Ground		
	8.	Rise time	<7.0 ns		
	9.	Vertical Scale	2 mV/div to 10 V/div		
	9.	Vertical Scale	2 mv/div to 10 v/div		
Memory depth	10.	Input Impedance	1MΩ±2% 16pF ± 3pF		
,Standard	11.	Max. Input Voltage	400V (DC+AC pk 1MΩ input		
-		T in a single	impedance X 10), CAT I		
interfaces, USB	12.	Frequency counter	Inbuilt, 50 MHz		
Host, support USB		Time Base	,		
storage and FW in	13.	Time base range	5ns – 50s/div		
Optical Lab	14.	Time base accuracy	±100 ppm measured over		
	1ms interval				
	Trigger System				
	15.	Trigger Source	CH1, CH2, EXT, EXT/5, AC		
			line		
	16.	Trigger Mode	Auto, Normal, Single		
	17.	Trigger Type	Edge, Pulse width, Video,		
			Slope, Attenuation		
	18.	Measurement	32 Automatic measurement		
	4.5	parameters	parameters		
	19.	Math functions	Add, Subtract, Multiply,		
	Divide & 1024 point FFT				
		General			
	20	Specifications	USB Host, USB Device, LAN		
		& PASS/FAIL Out			
	21.	Display	7.0" TFT LCD display		
	22. Save/ Recall type Setups, Waveforms, CSV file,		Picture		
	23. Input Power 230V+/- 10%.				
	40.	1 Input I ower	2001./ 10/0.		

ANNEXURE III PRICE BID

Sl	<u>Item Description</u>	QTY	Per	Total	GST in	Total
	(Specification as per Compliance Sheet)	and	UNIT	Rate	Amount	Amount
		UNITi	Rate	(C1 3 X	and in %	With Taxes
		n		C1 4)	On Cl 5	Altogether

			Nos				(C1 5 +
	2		3	4	5	6	7
50MH:	ing rate, 32Kpts Memo aces, USB Host, suppor	2-CH ,500M Sa/s real time	03				
S.No.	Parameter	Specification					
1.	No. of Channels	2					
2.	Bandwidth	50 MHz					
3.	Real time Sampling	500 MSa/s					
4.	Equivalent Sampling	50 GSa/s					
5.	Memory	32kpts					
6.	Vertical Resolution	8 bits					
7.	Coupling	AC, DC, Ground					
8.	Rise time	<7.0 ns					
9.	Vertical Scale	2 mV/div to 10 V/div					
10.	Input Impedance	1MΩ±2% 16pF ± 3pF					
11.	Max. Input Voltage	400V (DC+AC pk 1MΩ input					
11.	wax. input voitage	impedance X 10), CAT I					
12.	Frequency counter	Inbuilt, 50 MHz					
12.	Time Base	modit, co miz					
13.	Time base range	5ns - 50s/div					
14.	Time base accuracy	±100 ppm measured over 1ms interval					
	Trigger System						
15.	Trigger Source	CH1, CH2, EXT, EXT/5, AC line					
16.	Trigger Mode	Auto, Normal, Single					
17. 18.	Trigger Type Measurement	Edge, Pulse width, Video, Slope, Attenuation 32 Automatic measurement					
19.	parameters Math functions	parameters Add, Subtract, Multiply,					
19.	General	Divide & 1024 point FFT					
	Specifications						1
20	Interface	USB Host, USB Device, LAN & PASS/FAIL Out					
21.	Display	7.0" TFT LCD display					
22.	Save/ Recall type	Setups, Waveforms, CSV file, Picture					
23.	Input Power	230V+/- 10%.					
	ent of quantities may	-					ļ
al Quot	ted Amount in Nume	<i>r</i> ic					1

DECLARATION

I, Sri/Smt	The	Managing	Director/Proprie	tor (etc	:.) of	the
Firm.,			(N	Name of	the firn	n) At
(address)			do hereby so	olemnly	affirm	and
declare as follows:						

- 1. That I have not ever been convicted of any offence making myself liable to be disqualified to provide any goods/services/work to any Educational Institutions/Govt. or Govt. undertaking Organization /Institution in the State of West Bengal or other State or States.
- 2. That no case is pending against me or against my firm in any criminal court of law or blacklisted/debarred/banned to provide similar items to the Educational Institutions / Govt. or Govt. undertaking Organization / Institution in the State of West Bengal or other State or States (If any case is pending, state the details).

the Tender submitted by me cancelled and make 4. That I do further affirm that the statements 1 and belief and all the documents attached are ge	
a total contract price of	Rs
mentioned in this Tender shall apply to the offer as mentioned in the invitation letter. We hereby	We confirm that the normal commercial warranty/guarantee of red items and we also confirm to agree with terms and conditions certify that we have taken steps to ensure that no person acting ertify that all above information are correct to the best of my/our
Signature of the Bidder Name Designation Seal	Date
Ref. No: <u>044/AU/REG/NIQ/22-23</u>	Dated: 24/02/2023

Copy to:
1. Purchase Section

Notice Board at Aliah University
 Website: <u>www.aliah.ac.in</u>

Sd/-Registrar