



جامعة عليا

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 TENDER

Ref No **19/AU/REG/NIT/19-20**

Date: 29/05/2019

Sub: Sealed Tenders are invited from the bonafide and resourceful Contractors/Service Providers/Agents/Wholesalers/Suppliers for Supply and Installation of Smart Classroom Complete Set-up for Department of Electrical Engineering, 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/Wholesalers/Suppliers for Supply & installation of Smart Classroom Complete Set-up for Department of Electrical Engineering, Aliah University New Town Campus.** The tentative quantity of the required items along with technical configuration of each items are mentioned at Annexure separately. Aliah University is looking for interested bidders who have experience in supplying of above type of materials. NIT document will be downloaded from Website of Aliah University, <http://www.aliah.ac.in>. Tender must be submitted on or before **11/06/2019 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 Tenderer, NIT Reference Number and Purpose of NIT.** Interested bidders are requested to provide **their Quotes following the format in Annexure- II** in their official letterheads along with signed **Compliance Statement and Price Bid (Annexure- III)**. They must read and accept Terms and **Conditions and scope of work** of this NIT as per **Annexure- I**. For any information in this regard, please visit Dept of Electrical Engineering, Aliah University, New Town Campus. Information may also be sought from the e-mails to registrar@aliah.ac.in; storeandpurchase.au@gmail.com and the emails will be forwarded to the respective Department

Sl.	Schedule	Date & Time
1	Date of uploading of NIT (Publishing Date) at Aliah University Website	30/05/2019 at 12 P.M
2	Bid submission start date	30/05/2019 at 02 P.M
3	Bid Submission closing	11/06/2019 at 03 P.M
4	Techno Commercial Bid opening date O/o The Registrar, IIA/27, New Town, Rajarhat, Kolkata – 700 160. (The Bid Opening date and time is tentative and could be open on availability of Concerned Committee Members)	To be notified later

Sd/-
Registrar

ANNEXURE I: GENERAL TERMS & CONDITIONS

- Supply and Installation of Smart Classroom Complete Set-up** to be done at **Department of Electrical Engineering, Aliah University New Town Campus, IIA/27, New Town, Kolkata – 700 160, West Bengal** within 21 working days of issuing work order.
- The Tenderer should bear all the transportation & insurance **risk** till the on door delivery and successful installation & demonstration. 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.
- The rates** so quoted must be inclusive of GST, Central Excise, customs Duty if any, packing freight to destination, Insurances, installation (if any), warranty and levies and necessary delivery at designated places at Aliah University and all charges. 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.

4. **The technical quotation must clearly mention the make & model of the quoted item and must accompany the item wise OEM's catalogue along with high-resolution picture of the item.**
5. **The departmental technical evaluation team reserves the right not to consider the quotation if the item doesn't seem to be satisfactory from catalogue and picture.**
6. **All the equipments/components/parts must have minimum 3 years onsite comprehensive warranty. All software must have lifetime license.**
7. All necessities cables and adapters for functioning of the equipments to be supplied
8. 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.
9. 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
10. **Partial quotations is allowed for this tender i.e. bidder may quote any item. Lowest bidder (L1) will be selected item wise.**
11. All disputes are subject to exclusive jurisdiction of competent Court and Forum in Kolkata, India only.
12. 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.
13. 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 Licence, 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 after receiving of items in good order and condition and installation (if any)duly certified by the concern authority and immediately on receipt of fund from the Govt. Department (within 60 days from the submission of bills). Successful vendor should arrange to submit a performance security deposit in form of Performance Bank Guarantee to the tune of 10% amount of the total purchase value at the time of submitting the bill. This performance security deposit should be issued from any Nationalized Bank and validity of the same will be tillwarranty period +60 days from the date of delivery of the material. 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. The Tenders 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.
15. The products asked for should be of very high standard and preferably reputed brand and/or with **B.I.S/I.S.I** code.
16. All bidders must submit all Technical Documents as per Annexure II;otherwise their bid may be cancelled.
17.
 - Bidder shall have to submit Audited Accounts (Balance Sheet, Profit and Loss Account) of Financial Year 2014-15, 2015-16, 2016-17.
 - Income Tax Return for **Assessment Year** -2015-16, 2016-17 and 2017-18 (Please attach documentary evidence)

- GST registration certificate indicating also the TIN number (for vendors from within the State of West Bengal)
 - PAN Card
 - Up-to-date Sales Tax clearance certificate (for vendors outside the State of West Bengal)
18. **The tenderer should submit Original Equipment Manufacturer issued Authorization certificate if participant is dealer and in case Original Equipment Manufacturer himself is bidding he should enclose proof of being manufacturer. Authorization Certificate with signature of Competent Person of OEM is highly important.**
19. **Copy of Work Order/ Work Completion Certificate with work value duly signed by Competent Authority from Indian Central/ State Government Institute, Autonomous Institute/ University funded by Central/State Government, Government funded research institute showing that - The Bidder should have engaged for supply and installation of Similar Nature Articles aggregate Rs. 5 (Five) Lakh minimum in the three financial years (i.e. 2015-2016, 2016-17, 2017-18) all together. The decision of tender evaluation committee will be final in deciding the 'similar' nature of shown work".**

Annexure II : Technical Bid Application Format
(Please attach all relevant documents)

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

Sub: Application for Supply & installation of Smart Classroom Complete Set-up for Department of Electrical Engineering, Aliah University New Town Campus.

Ref: - _____N.I.T. Nodated

Sir,

1. ABOUT 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. TECHNICAL DOCUMENTS		
2.1	Company Registration No./Trade License No./Partnership Deed No. (Please attach documentary evidence)	
2.2	PAN Registration No (Please attach documentary evidence)	
2.3	GST Registration No (Please attach documentary evidence)	

ANNEXURE III COMPLIANCE STATEMENT AND PRICE BID

S	Item Description	QTY and UNIT in Nos	Compliance to Tender specification on whether YES/ NO	BASIC RATE (Unit Price X Unit)	GST in Amount and in %	TOTAL AMOUNT With Taxes Altogether
1	For any enquiry/ clarification/measurement bidders are requested to visit/Contact the site Department of Electrical Engineering, Aliah University New Town Campus, IIA/27, New Town, Kolkata - 700 160					
	Supply & installation of Smart Classroom Complete Set-up	01				
1. MULTIMEDIA PROJECTOR						

Projection System -DLP, DMD type - DC3 , Native Resolution - XGA(1024 x 768 pixels), DMD type - DC3, Brightness - 5000 ANSI lumens, Contrast Ratio - 5,000:1, Display Color - 1.07 Billion Colors, Aspect Ratio -Native 4:3 (5 aspect ratio selectable)Light Source - Lamp, 370W, Light Source Life - 2000/2500 hours (Normal/Eco mode) Throw Ratio - 1.41~2.25, Zoom Ratio - 1.6X, Lens Control -- F=2.45~3.07, f=15.75~25.1 Lens Shift -- V (0% ~ +7.5%), Standard Lens, Keystone Correction - ± 30 degrees 2D, Vertical & Horizontal , Projection Offset -- 107.50%, Projection Size -- 30"~300",Built-in Speaker - 20W (10Wx2), Security Lock - Kensington Lock, Security Bar, Connectivity (I/O Port)- HDMI x 2/MHL x 1, Computer In-1 (D-sub, 15pin, Female)(Share with component) x 1 Monitor out (D-sub, 15pin,Female) x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1, Audio in (mini jack) x 1, RCA Audio in- L/R x 1 , Microphone in (Mini Jack) x 1, Audio out (mini jack) x LAN Port (RJ45 for, Network control) x 1, RS232 In x 1 DC 12V Trigger, (3.5mm Jack) x 1 USB Type A (1.5A power) x 1, IR Receiver x2 (Front rear), Resolution Support - VGA (640 x 480) to WUXGA (1920 x 1200), Video Compatibility --NTSC, PAL, SECAM, Noise Level (Normal/Eco) - 36/33 dB A, Operating Temperature - 0o ~ 40o C. etc

2. PA Lectern System(Podium)

Power Output -40 Watts Max, Speaker -4, Input Channels Sensitivity- Mic-1: 3.0mV Mic-2: 1.8mV Line: 100mV, Frequency Response-100-16,000Hz, Tone Control- Bass \hat{A} ±6dB at 80Hz Treble \hat{A} ±6dB at 8kHz, REC. Output-1V (nominal), Power Supply- AC 220-240V, 50/60Hz, Power Consumption- AC 100W, Dimensions- W420 \hat{A} —H1135 \hat{A} —D580 mm, Weight-18.3kg., **HANDHELD WIRELESS TRANSMITTER**, Microphone- Dynamic Unidirectional , RF Carrier Frequency-174.10, 181.90, 190.32, 97.10MHz, Spurious Emissions-45dB Max., RF Output Power-15mW Max. Frequency Response-50-15,000Hz, Dynamic Range-100dB, Battery-9V, Dimension- Ø55 x L244mm, Weight-200g (Without battery)

3. Interactive Device Stylus Version

The Interactive Device should have built in Surface independent & Portable Interactive whiteboard system, 92" Interactive Area, 3d Optical Technology, Automatic Calibration, Ultra short Focus Lens (T/R 0.18 or less), minimum 180 million dots per second tracking speed, Min 10 touch point for Finger Touch and Up to 200 touch Point for Stylus, Battery free Super Capacitive Stylus.

4. Interactive Software

Support Should be multi touch & multi writing, Gesture Recognition like zoom, pan, tilt, flicks, interactive tools/features like Pen, Eraser, spot light, curtain, shape recognition, shape editing, auto grouping, infinite color options for annotation, color bucket, back ground pattern, lines & arrows, screen capture tools (freehand capture is must), import / export files, recycle bin, unlimited pages, capable to annotate on any 3rd party applications, recording feature, Software should support & compatible with document camera solution and "Cloud Access" in Interactive Whiteboard Application to access filtered free educational content on any topic in the world from WWW.

5. Cast Dongle

Cast Device. Video streaming dongle

6. Visualizer 2.0

Capture size A4, Resolution 1600x1200, sensor 2.0 MP interface type USB, light source

7. Lapel + Headset

Superior quality UHF band frequency Wireless Microphone System.100 UHF selectable channels. Easy set-up of the system with IR (Infra-Red).Clear LCD display Sensitivity adjustment for HI, Middle, LOW receiving distance. High quality Skin color head set. Receiver- True Diversity, Frequency response-40Hz – 18 KHz, Polar Pattern (Lapel mic)- Cardioids, Output- Balanced XLR/ Unbalanced ¼" Jack, Power Req. (Lapel mic)- 2 x 1.5V AA , Receiver-240V AC 50Hz for AC Adaptor Supplied with the set.

8. Projection Ceramic Board

Non Magnetic , Non reflecting, Mat type white board front side cover with Melamine sheet, back side covered with metal sheet, anodized metal Frame , size- 8' x 4'.

9. Roof mounted Projector Hanging Kit

Ceiling mount kit with height adjustable duly powder coated.

10. Cable for Projector Connection

15 meter Ultra High Speed HDMI Cable Version -2.1.

15 meter 10+1 Copper Conduct heavy duty PVC shielded RGB/VGA Cable.

15 meter 3 Core Power Cable.

11. Projector

Projection System -DLP, DMD type - DC3, Native Resolution - XGA(1024 x 768 pixels), DMD size - 0.55", Brightness - 4000 ANSI lumens, Contrast Ratio - 20,000:1, Display Color -30 Bits, Aspect Ratio -Native 4:3 (5 aspect ratio selectable), Lens Control -- F=2.59~2.87, f=16.88~21.88,Throw Ratio - 1.51~1.97, Clear Image Size (Diagonal) -60"~ 180",Maximum Image Size (Diagonal) -300", Zoom Ratio -1.3X, Lamp Wattage - 240W, Lamp Life(hours)- Normal 4000 hrs/ Economic 8000 hrs/ Lamp Save 15000 hrs, Keystone Adjustment -- ± 30 degrees 2D, Vertical & Horizontal ,Resolution Support -VGA(640 480) to WUXGA_ RB(1920 x 1200)RB-Reduced Blanking, Video Compatibility -NTSC, PAL, SECAM, Speaker -10W x1,USB (Type A)-x2 , one for Wireless dongle, one for USB reader,USB (Type Mini B) -x 1 (Download & Page up/down),RS232 (DB-9pin) -1,LAN to RS232 supported-Yes,Extron Device Compatible -Yes(w/ Extron IP Link Logo). Etc

12. Projection Screen

Tripod Hi gain Screen with Stand size -6' x 4'

13. Cable for Sound Systems

15 meter 2+1 Interconnection Microphone cord.

14. PVC Conduct Pipe

¾” ISI Mark PVC Conduct Pipe

15. Rack

17U Floor Standing Rack (600 x 800), Front Door with Toughened Glass quality, Removable side panels with ventilation provision, Castor wheels set of 4 with front wheels Brake provision, Adjustable mounting slots Cable insertion on Top & Bottom panel to provide easy cable entry, Top section with 4 Fan mounting provision Compatible with 19" International standard with C.R. Fan, V.R. AC Box,6/13 Amp 06 socket, Cantilever.

16. Cable for LAN Connection

DGC -SC6U4F-3GB Cat6 UTP cable

17. Accessories for LAN Connection

Back Box. Face Plate. IO Connector. Patch Cord 5 meter. RJ45 UTP Plugs.

The total quoted price must include all factors including service/labour charges etc. as may be required on site for complete set-up.

The supplier should arrange for necessary training & demonstration on site, without any additional charge. Further, some arrangement must be in place for perpetual support via phone/mail.

- The bidder may visit the department and see the exact requirement (location/position/exact measurement etc.) before quoting.
- All the equipments/components/parts provided must be of reputed brand and ISI/BIS marks wherever applicable.
- The purchase committee may ask, for proof of purchase from OEM/authority letter from OEM for components/software used in the set-up, at any stage. If the committee is not satisfied with the authenticity of components/software, the order may be cancelled at any stage. The supplier must ensure that whatever software used, are part of the hardware and have proper authorization for end user (Aliah University), and there should not arise any copyright/licensing violation issues.

Total Amount in Rupees

Total Amount in Word

DECLARATION

I, Sri/Smt. The Managing Director/Proprietor (etc.) of the Firm,..... (Name of the firm) At (address)..... do hereby solemnly 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).
3. That, I also declare that if any information subsequently found incorrect or false will it automatically render the tender submitted by me cancelled and make me liable for penal/legal action as per law of the country.
4. That I do further affirm that the statements made by me in this tender are true to the best of my knowledge and belief and all the documents attached are genuine & correct.
5. I/We agree to supply the above goods/equipment/products in accordance with the technical specifications for a total contract price of Rs..... (Amount in figures) (Rupeesamount in words) within the period specified in the invitation for Quotation. We confirm that the normal commercial warranty/guarantee of mentioned in this Quotation shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the invitation letter. We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery. Certify that all above information are correct to the best of my/our information, knowledge and belief.

Signature of the Bidder

Date _____

Name _____

Designation _____

Seal

Copy to:

- 1. Chairman, Departmental Purchase Committee, Dept of Electrical Engineering, Aliah University**
- 2. Notice Board at Aliah University**
- 3. Website: www.aliah.ac.in**
- 4. One Bengali News paper**
- 5. Guard File**

**Sd/-
Registrar**