



جامعة عليا

Aliah University

(A UGC & AICTE approved autonomous Institution under the Department of Minority Affairs and Madrasah Education, Govt. of West Bengal)

IIA/27, New Town, Rajarhat, Kolkata – 700 160, West Bengal

Web: www.aliah.ac.in

NOTICE INVITING TENDER

Ref No: **044/AU/REG/NIT/18-19**

Date: 12/10/2018

Sub: Sealed Tenders are invited from Reputed Organizations for Supply and Installation Optical Fibre Cable (OFC) Networking for Girls Hostel, Boys Hostel, New Building with Server Room of Aliah University New Town Campus

Aliah University, Kolkata a Premier Educational Institute under the Minority Affairs and Madrasah Education Department, Government of West Bengal, invites **Sealed Tenders are invited from Reputed Organizations for Supply and Installation Optical Fibre Cable (OFC) Networking for Girls Hostel, Boys Hostel, New Building with Server Room of Aliah University New Town Campus.** The tentative quantity of the required items along with technical configuration of each items are mentioned at Annexure separately.

Interested **Bidders** may submit their **Tender** complete in all respect To, The Registrar Aliah University IIA/27, New Town, Kolkata- 700160, West Bengal, India by **30/11/2018 at 03 P.M The NIT Reference Number and Purpose of BID must be written in top of Sealed Envelope.**

Scope of Work:

In this regard NIT has been invited in two fold basis i.e. Technical Bid and Financial Bid.

Interested bidders are requested to provide their Quotes following the **Format in Annexure- II** in their official letter heads along with signed **Compliance Statement and Price Bid (Annexure- III)**. All bidders are requested to read the **Annexure I: General Terms & Conditions** before participation of the NIT.

The University retains the right to cancel any of the items at a later date after the contract is awarded. The University at its own discretion may cancel any or all the bids without assigning any reason thereof.

For any information in this regard please Email: registrar@aliah.ac.in and **copy to store&purchase@aliah.ac.in**

Sl.	Schedule	Date & Time
1	Tender Uploading Date	19/11/2018 at 12 P.M
2	Bid submission start date	20/11/2018 at 12 P.M
3	Bid Submission closing	30/11/2018 at 03 P.M
	Techno Commercial Bid opening date O/o The Registrar, Aliah University, New Town Campus. (The Bid Opening date and time is tentative and could be open on availability of Concerned Committee Members)	03/12/2018 at 12 P.M

Sd/-
Registrar
Aliah University

ANNEXURE I: GENERAL TERMS & CONDITIONS

- Supply and Installation Optical Fibre Cable (OFC) Networking for Girls Hostel, Boys Hostel, New Building with Server Room of Aliah University New Town Campus** must be completed within Six Weeks of issuing work order.
- The Tenderer should bear all the transportation & insurance **risk** till the on door delivery point to **Aliah University, New Town Campus** Aliah University IIA/27, New Town, Kolkata- 700160 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

3. **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 onsite warranty 2 (Two) year and also 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.
4. All necessities cables and adapters for functioning of the equipments to be supply along with the Work
5. 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 and submission of the compliance statement is compulsory.** 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.
6. 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
7. **Partial quotations are not allowed for this tender i.e. bidder should quote for all item otherwise rejected. Lowest Bidder (L1) will be selected on overall item only.** All disputes are subject to exclusive jurisdiction of competent Court and Forum in Kolkata, India only.
8. 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.
9. **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 successful installation, demonstration and commissioning duly certified by the concern authority and immediately on receipt of payment 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 till warranty period +60 days from the date of delivery / installation 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
10. 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.
11. The products asked for should be of very high standard and preferably reputed brand and/or with **B.I.S/I.S.I** code. **Products specification must be complied.**
12. All bidders must submit all Technical Documents as per Annexure II otherwise their bid will be cancelled. If any time/ during verification it is found that their documents are false and/or fake their Performance Security Deposit will be forfeited and the organisation became blacklisted.
13. All Bidders are requested to visit the Site of work before bid submission.

14. For any enquiry the Bidders should visit the Sites of Aliah University, New Town Campus before submission of the bid and may Directly Contact with Chairman, Hostel Management Committee on this Matter)

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 and Installation Optical Fibre Cable (OFC) Networking for Girls Hostel, Boys Hostel, New Building with Server Room of Aliah University New Town Campus**

Ref: - _____ N.I.T. Nodated

Sir,

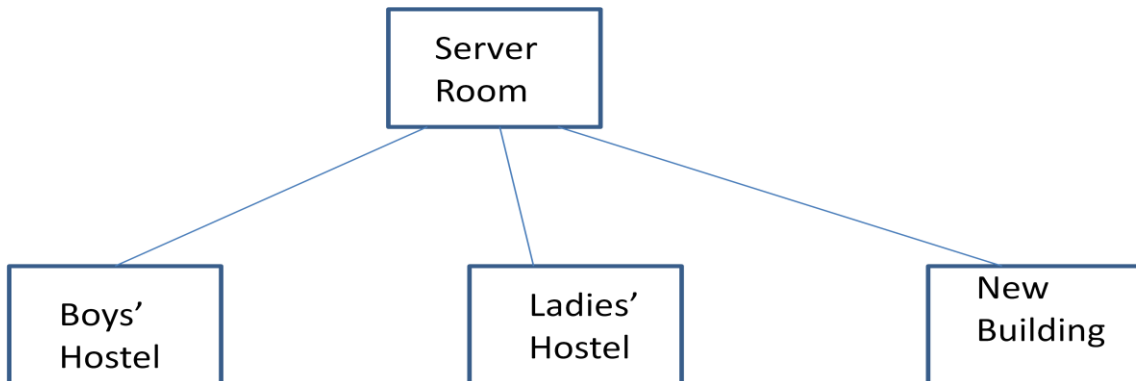
1. ABOUT THE ORGANIZATION		
1.1	Name of the Organization	
1.2	Name of Authorized Person	
1.3	Registered Office Address with telephone no. & email address	
1.4	Authorized Service Station Name, address, contact person name, phone number, e-mail	
2. TECHNICAL DOCUMENTS		
2.1	Company Registration No./Trade License No./Partnership Deed No. (Photocopy Required to Be Submitted along with NIT)	
2.2	PAN Registration No (Please attach documentary evidence))	
2.3	GST Registration No (Please attach documentary evidence)	
2.4	The bidder/OEM self-declaration stating that he/she is not banned/debarred or black listed by any Central/State Govt. of India/PSU/Organizations/Institutes in India or abroad	
2.5	The tenderer should submit Original Equipment Manufacturer issued Authorization certificate if participant is dealer/contractor/supplier/service provider and in case Original Equipment Manufacturer himself is bidding he should enclose proof of being manufacturer.	
2.6	OEM should be a member of Telecommunications Industry Association (TIA) committee. Membership shall be available for verification at www.tiaonline.org/about/member-list	
2.7	All components shall be ROHS compliant. Declaration of ROHS shall be available in product datasheets.	
2.8	OEM shall have RCDD certified technical manpower in the country of supply.	
2.9	Copy of Work Order/ Work Completion Certificate with work value duly signed by Competent Authority from Indian Central/ State Government Department/Institute, Autonomous Institute/ Agency/ Office/ University Funded by Central/State Government or Reputed Private Firms showing that - The Bidder should have engaged at least One work for Supply and Installation of Optical Fibre Cable (OFC) Networking system within last five financial years (i.e., 2013-14, 2014-2015, 2015-2016 2016-17 and 2017-18)	
3.0	OEM shall have ISO 9001:2008 certified manufacturing facility in India.	
3.1	OEM shall have ISO 14001 certified manufacturing facility in India.	

ANNEXURE III COMPLIANCE STATEMENT AND PRICE BID:

Sl No	Para of Quotation Enquiry Specification	Q	U	Compliance to	TOTAL RATE Inclusive Insurances and levies and should be for delivery & warranty,
		Y.	I		

			T	Quotation specificat ion whether yes or no	fixing& Installation Charges		
(For any enquiry the Bidders should visit the Sites of Aliah University, New Town Campus before submission of the bid and may Directly Contact with Chairman, Hostel Management Committee and Mr. Asif Iqbal, TA, CSE on this Matter)					Total Rate (No. of Quantity X Unit Rate	GST (% & Amount)	Total Amount
	Supply:						
1	6 core Single mode cable (As per Detailed specification)	2400 Mtr					
2	24 port LIU loaded with SC coupler and SC SM pigtail (As per Detailed specification)	1 Nos					
3	6 port LIU loaded with SC coupler and SC SM pigtail (As per Detailed specification)	3 Nos					
4	SC-LC single mode duplex patch cord (As per Detailed specification)	6 Nos					
5	12U Rack with accessories (As per Detailed specification)	3 Nos					
6	HDPE pipe 25 mm (As per Detailed specification)	2000 Mtr					
7	PVC conduit 25 mm (As per Detailed specification)	400 Mtr					
	Service Charges						
1	Laying of OFC cable in HDPE /PVC	2400 Mtr					
2	Hard soil /Road cutting	250 Mtr					
3	Splicing of OFC core	36 Nos					
4	Installation of rack	3 Nos					
5	OTDR testing of FO core	36 Nos					
Overall Rate in Figure							
Overall Rate in Word							

Aliah University Schematic OFC Connectivity Diagram



**Detailed specification:
6 Fiber outdoor armored SM cable, OS2**

Sr No.	Specifications	Requirement
1	Cable Type	6 fiber Single Mode, Armoured, Loose-tube, Gel filled cable complying to ISO/IEC 11801, EN50173, ANSI/TIA 568-C.3; suitable for use in direct burial, outdoor ducts and backbone cabling
2	Fiber Type	Single Mode, 9/125 micron primary coated buffers, OS2 (IEC 60793-2-50, B1.3 and ITU T G652.d)
3	Armour	Corrugated Steel Tape Armour of min. 0.15 mm thickness
4	Cable Construction Type	BELLCORE GR 20 / IEC 794-1
5	Attenuation	@ 1310nm <=0.34 db/Km MAX @1550nm <=0.22 db/Km MAX @ 1380-1386nm <= 0.31db/Km
6	3rd Party Tests	Must be approved by Intertek labs for ANSI/TIA 568C Fiber channel requirement
7	Loose tube material	Single PBTP Loose tube filled with water blocking Thixotropic gel
8	Jacket material	HDPE outer jacket 2mm thickness
9	Strength members	Water Swellable Glass yarn strength members
10	Tensile Strength	1250 N
11	Crush Resistance	3000 N
12	Min Proff Strength (Kpsi)	100
13	Cable Diameter	10.0 + - 0.5 mm
14	Operating Temperature	-40 Degree C to +70 Degree C
15	Test Reports	OEM factory test reports must be provided against each drum / roll of fiber cable.

Fiber LIU Rack-mountable, 1U fully loaded, SM

Sr No.	Specifications	Requirement
1	Fiber Management shelf	The fiber management shelf shall have compact design and be ideal for high density front patching applications.
		Should be fully loaded and factory fitted assembly with no assembling required during installation at site
		• High Density: 1U: 6/12/24 Fiber terminations
		• Should be supplied loaded with SC adapters, splice trays, SC SM Pigtails and fiber management rings
		• Min 4 cable entry points
		• Mounting brackets can be placed in different positions
2	Drawer style shelf	o Easy access to splicing tray
		o Easy access to back side of connector
3	Accessories	Fiber management guides, radius controls & secure tie downs provided
		Pre loaded with labeling strips, 2 grounding lugs
		Sealed cable inlets for dust and rodent protection
4	Material	Min 16 gauge CRCA Sheet steel with powder coating
5	IL @ 1310nm	<0.3dB

	RL	>45 dB
6	Compact size (mm)	44 x 450 x 320 (HxWxD)
7	Compliance	ROHS / ELV Compliant

SC to LC Patch Cord SM

Sr No.	Specifications	Requirement
1	Make and Type	SC to LC Duplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron
2	Cable Sheath	LSZH
3	Cable Diameter	3.6 mm twin zip
4	Ferrule	Ceramic
5	Insertion Loss	MAX .3 db
6	Return Loss	> 45 db
7	Temperature Range	-25 Degree C to +70 Degree C
8	ROHS	ROHS/ELV Compliant

Specifications for Network 12U Rack with accessories

Sr.	Item	Description
1	Basic Structure	Basic structure of CRCA Steel in a welded frame with top, bottom and side frame. Wall Mount should be able to be shipped in Flat Pack (Totally Bolted Construction)
2	Front Door	Front Glass Door with lock – should be easily removable type. Door should be able to be changed at site for left side / right side opening as per site conditions.
3	Side Panels	Louvered Side panels Removable - Hinged type – with easily removable latches and lock for security
4	Space	Height - It Should Provide 12U Usable Space.
		Width – It should be 600mmW with 19” mounting provision
		Depth – IT should be at least 530mm.
5	Load Bearing Capacity	It should be able to take load of 40Kg.
6	Wall Mounting	Provision for easy wall mounting should be there with appropriate anchor fasteners
7	Cable Management	Wall Mount should have integral vertical cable management provision for the cable management in front (right and left)
		In addition to the above, horizontal cable manager in 1U format with Nylon / PVC cable hoops to be provided.
8	Heat Management	Rack must be provided with one fan directly mounted on the rooftop as an exhaust from the cabinet. Fan should be of AC 230V with flow volume of at least 90 CFM.
9	Powder Coating Details	Thickness of powder coating should be 60 microns or more.
		Colour of the cabinet should be: Blue and White / Black
10	Thickness of Material	1. Wall Mount structure and all its components should be made from CRCA Steel Material – at least 1.2mm thick
		2. Mounting rails (2 Pairs) be made from CRCA Steel Material at least 1.5mm thick

11	Power Management	Rack should have horizontally mounted power strip with 4 sockets of Indian 5A type combination sockets (2+3 Pin). All cable used in manufacture of such power strip should be ISI grade. Overall rating of the power strip should be 16A and it should have Double Pole ON/OFF switch with indicator as an isolator. 3M long power input cable should be provided with appropriate rating (Min. 1.5 sq mm x 3Core)and 15A Indian type plug.
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I/We agree to supply the above goods 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 Tender. We confirm that the normal commercial warranty/guarantee of mentioned in this Tender 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
Name _____
Designation _____
Seal

Date _____

Ref. No: 044 /AU/REG/NIT/18-19

Dated: 12/10/2018

Copy to:

1. **Chairman, Hostel Management Committee**
2. **Chairman, Networking Committee**
3. **Notice Board at Aliah University**
4. **Website: www.aliah.ac.in**
5. **One Bengali News paper**
6. **Guard File**

**Sd/-
Registrar**