



INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY
(An Autonomous Institute under Dept. of Science and Technology, Govt. of India)
Paschim Boragaon, Vigyan Path, Garchuk, Guwahati-781035

Notice Inviting Quotations

Advt. No: 551

Date: 11.07.2025

Sealed quotations are invited from interested vendors in two bid systems (Technical and Financial) for empanelment of vendors for supply, installation and maintenance of LAN works at Institute of Advanced Study in Science and Technology (IASST), Guwahati. Bid document along with bid fee may be submitted as per following terms and conditions.:

Bid fee-DD (non - refundable)	Last Date and Time for submission of bids	Venue for Opening of Technical Bids
Rs. 1,000/- (Rupees one thousand only) in favour of Director, IASST payable at Guwahati	31.07.2025 by 5 P.M	Office of the Registrar, IASST, Guwahati – 781035 Dt. 01.08.2025 at 11A.M

There will not be any separate notice for participation of bidder in the bid opening time.

Detail tender document will be available for download at IASST website <https://iasst.gov.in> and CPPP.

Registrar, IASST

Notice Inviting Quotation

1. Introduction

Institute of Advanced Study in Science and Technology (IASST) is a premier scientific research organization in the North-East region under the Ministry of Science and Technology, Govt of India with its campus located at Vigyan Path, Paschim Boragaon, Guwahati, Assam 781035. IASST has a campus wide Local Area Network (LAN) connecting different buildings within the campus. The back-plane connectivity is on optical fibre (mostly single mode) and the nodes are connected through structured cabling using UTP cables and switches. The LAN is used to provide network access to various PCs, printers, servers and other IT devices installed at various places of the campus. The Institute invites offers from eligible vendors to provide LAN equipment, service for LAN cabling, LAN points etc. as and when required basis.

2. Scope of Works

Empanelment of vendors for the following works.

- a) Maintenance of the existing LAN which consist of around 1000 network nodes along with requirements of additional LAN work which may arise from time to time.
- b) LAN management services :
 - i. Provision of cabling (structured) when new nodes are required to be added in the existing network or shifting of nodes to new areas within the campus. The IASST's official shall inform the empaneled vendors about the requirement from time to time. The vendor will accordingly, visit the site to assess the requirement. IASST will place the order to carry out the job. The order may be either through formal purchase order or through e-mail. IASST will pay for the material used like cables, connectors, patch panels, racks, I/O ports etc. as per rate contract value along with charges for cable laying separately as per the actual with rate mentioned in the rate contract. IASST will not pay any additional call charges for carrying out the job.
 - ii. Maintenance of the existing LAN components which includes but not limited to dressing of network racks, patch panel, jack panel maintenance, I/O ports, patch cord, UTP cable, etc.

3. Eligibility Criteria for Bidder

- a) The bidder must be a registered firm/company having its local office in Assam. (Documentary evidence needs to be furnished along with the bid.)
- b) The bidder should be a manufacturer/authorized distributor/dealer of the respective product solution/OEM (submit Manufacturer Authorization Certificate).
- c) The average annual turn-over of the bidder should be minimum Rupees 5 (five) lakh in the last three financial years (enclose audited financial statement).
- d) The bidder should have experience of installation and maintenance of Passive networking items like CAT6, RJ45 termination, OFC Cable, OFC Splicing, LIU, Pigtail, Patch cord etc.

- e) At least 3 nos. of similar works as mentioned in point no 3.d above must be executed in Govt. Sector/PSU in North East India in last three financial years.

4. Terms of Execution of Works

- a) As and when required, the vendor will deploy manpower for providing structured cabling connectivity on different parts of the campus by laying Cat-6 cables, fibers, connectors, I/O ports, patch panels, racks and other network components as per the LAN layout plan of the IASST. As part of cable laying, if required, the vendor has to arrange for cutting the floor and wall for laying cables and for patching the floor openings.
- b) The successful vendor is required to work in coordination with the other contractors like electrical, civil contractors for laying of cables etc.
- c) The vendor will provide **three-year warranty** for the structured cabling done along with labelling and documentation.
- d) The bidders must mandatory be able to ensure FOR IASST Guwahati.

5. Quality of Components

During the contract period, vendor should supply all materials as mentioned in Bill of Material confirming of quality standards i.e., Cat 6 cables, I/O Ports, Jack Panels, fiber cable, patch cards etc., should be of D-Link / MOLEX / KRONE/AMP/DIGISOL make. The Rack should be of TATA/Valrack/WQ. Similarly, the conduits etc. should be with ISI mark.

6. Penalty for Delay in Resolution

If the successful vendor does not resolve any technical issues within 48 hours from the response time, a penalty of 0.5% of total cost per day (maximum 7 days) will be charged and deducted from the amount payable to bidder. For delay beyond the stipulated period, entire PBG (mentioned in the work order) will be forfeited.

7. Forfeiture of Bid Security

- a) If an empaneled vendor withdraws his offer during the period of validity of bid.
- b) If the empaneled vendor fails to accept and execute purchase orders during contract period.
- c) If the empaneled vendor fails to execute the job assigned within the time given by the IASST.
- d) If the empaneled vendor fails to maintain proper standard of the work.
- e) The IASST's decision in the above cases will be final.

8. Last Date of Submission

The bid document, complete in all respect should reach the Registrar, Institute of Advanced Study in Science and Technology (IASST), Vigyan Path, Paschim Boragaon, Guwahati – 781035 on or before xx.xx.2025 by 5 P.M. No bids after the last date shall be entertained.

9. Sequence of Documents to be submitted along with the Bid

a) Technical Bid

- i. Forwarding letter duly signed by the Authorized person of the bidder.
- ii. Balance sheet with auditor's report for the last three financial years.
- iii. Latest Income Tax Return Certificates.
- iv. Copy of Certificate of Registration for GST.
- v. Copy of PAN Card.
- vi. Authorization Certificate as proof of the authorized agent/distributor/supplier.
- vii. Sole Proprietary/sole manufacturer certificate for proprietary item.
- viii. Compliance sheet stating the deviation, if any, with reference to the terms and specifications of the equipment/ its accessories.
- ix. List of similar works executed by the bidder stating the name, addresses and phone numbers of customers with order copy and satisfactory completion certificate
- x. Name and address of Registered Office, Head Office and Regional Office of the company with name and phone numbers of key persons.
- xi. Self-declaration as per format at Annexure –I
- xii. Format of Manufacturer/Supplier/Distributor information at Annexure –II.
- xiii. Technical Specification as per format at Annexure – III
- xiv. Contract Form at Annexure –V
- xv. A copy of the NIQ document with seal and signature of the authorized person in each page as token of acceptance of the bid.

b) Financial Bid

- i. Financial Bid should be submitted as per format given at Annexure – IV
- ii. A summery sheet as per the format must accompany the financial bid and failure to do so may result in cancellation of the bid.

c) Envelopes containing the bids

The technical and price bid should be enclosed inside two separate sealed envelopes. The type of cover (Technical/Price bid) and advt. no. should be mentioned at the top of each of the envelop. These two envelopes should be enclosed inside a single envelop. The advt. no, last date of submission of bid and content (how many envelops) inside, bidders name and address are to be mentioned at the top of the envelop.

Conditions forming part of NIQ

- a) The empanelment is initially for one year. However, subject to satisfactory performance of the vendor, the empanelment may be extended up to maximum of 3 years on yearly basis.
- b) The rates shall be on a fixed price basis **valid for three year**. No upward revision in the price would be considered on account of subsequent increases in customs duty, excise tax, sales tax during the offer validity period. However, if there is any reduction on account of government levies, during the offer validity period, the same shall be passed on to the Bank. The rate contract for the passive components and services will be reviewed on yearly basis.
- c) Price of the equipment to be quoted for FOR at IASST only.
- d) Rate contract base prices, taxes (including sales tax, service tax, VAT etc., duties and levies excepting octroi, which will be at actuals) thereof against each component viz. Cables, I/O points etc. as per Bill of material.
- e) The two bid systems should be followed for this NIQ. Under this system the bidder must submit their offer in two separate sealed envelopes marked clearly as Technical Bid and Commercial Bid on cover page of the envelop for each item quoted. Both the sealed envelope should be placed in a third larger envelop. The main envelope which will contain both the bids should be super scribed with Advt No/NIQ no. and name of the work quoted for.
- f) The Technical Bids will be opened in presence of the bidders on the specified date and time. The bidder/their authorized agents who responds to the quotation will be allowed to be present in the opening. The bidders are requested not to insert their quoted price in Technical Bid which will lead the bid for summarily rejection.
- g) The Technical Bids will be evaluated to shortlist the eligible bidders. The Price Bids of only the short listed bidders shall be considered for further processing. Bidders whose Technical Bid is found acceptable and meets the eligibility requirements as specified in this NIQ will be informed about the date and time of opening of the Price Bid.
- h) Bids would be rejected if it is found that the bidder has engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question.
- i) The bids received after the deadline for submission of bids will not be accepted and such bids shall be marked as late and not considered for evaluation.
- j) The original and all copies of the bid shall be typed and shall be signed by person(s) duly authorized to bind the bidder to the Contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person(s) signing the bid. Further, over-writings on documents, if any should be supported by signatures.
- k) The bidders may submit their duly sealed bid by post or by hand at the address specified in the NIQ not later than the time and date specified therein. In the event of the specified date for the submission of bid being declared a holiday for the IASST, the bid will be received up to the appointed time on the next working day.
- l) Issuance of bid documents should not automatically be construed that the bidder is considered qualified. The IASST Authority has the right to reject any bids on technical grounds without assigning any reason thereof.
- m) IASST shall not be responsible for any delay, loss or non-receipt of bid documents sent by post.

- n) Prices shall be quoted in Indian Rupees for offers received for supply within India and in their currency as per the Financial Bid format in case of offers received for supply from foreign countries.
- o) Compliance sheet should indicate in details of meeting up of specifications required. The bidder can mention the additional features that exist in quoted products, if any, separately.
- p) Payment shall be made after delivery, successful installation, commissioning, and submission of Bank Guarantee and on submission of installation and warranty certificate duly signed and stamped by the authorized representative of the user department. **No advance payment will be made in case of equipment supplied by indigenous supplier.**
- q) All applicable taxes should be quoted separately, otherwise it would be presumed that the quoted prices are inclusive of taxes (please see Financial Bid format).
- r) Prices quoted should be inclusive of all charges required to make the equipment functional to the satisfaction of the Institute, otherwise it would be presumed that the quoted prices are inclusive of all charges, if applicable.
- s) The quotations must be valid for a minimum period of 90 days (three months) from the date of opening of the financial bids. No change in prices and change in terms and conditions will be permitted.
- t) All quoted items may carry brochure/catalogue/Pamphlets/Technical Literature and related documents.
- u) The supplier further warrants that the goods shall be free from defects arising from any act or omission of the supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
- v) The bidder should indicate clearly in their technical bid about the pre-installation requirements. Subsequently, before the consignment lands in IASST, the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipment.
- w) IASST reserves the right to purchase varying quantity of material, less or more.
- x) In the process of evaluation, comparison of bids, IASST reserves the right to reject any or all bids.
- y) All corrigenda will only be notified on the IASST website.
- z) The Director, IASST shall be the final Authority for settlement of any dispute and his interpretation of any Clause/term/condition(s) of this document shall be final.
- aa) If any dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived there from, will be settled under the jurisdiction of Court of Law of Guwahati.
- bb) The Institute is not bound to accept the lowest bidder.
- cc) Purchase terms and condition as per General Financial Rule (GFR) will be applicable for all the purchases to be made.

ANNEXURE-I
Self-Declaration to be given by the bidder

Advertisement No: _____

Name of Work: Empanelment of vendors for supply, installation and maintenance of LAN

Bidder's Name & Address:

Contact Person:

Designation:

Telephone No:

Fax No:

Email:

To,

The Registrar,

Institute of Advanced Study in Science and Technology (IASST),

Vigyan Path, Paschim Boragaon, Guwahati – 781035.

We, the undersigned bidder, having carefully read and examined in detail the terms and conditions, specifications and all bidding document in regard to the supply of equipment/instruments at Institute of Advanced Study in Science and Technology (IASST) and accept the same.

We also hereby declare that

- ☐ We have not been blacklisted/debarred by any Government/Undertaking.
- ☐ The rates quoted are not higher than the rates quoted for same item to any Government/Undertaking.
- ☐ The bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

For and on behalf of the firm
(Firms Name & Address)

(Signature of Authorized
Signatory)

Name:

Designation:

Phone No:

Seal:

Date: -----

Place: -----

ANNEXURE – II
FORMAT FOR OTHER INFORMATION

Advertisement No: _____

Name of Work: Empanelment of vendors for supply, installation and maintenance of LAN

1. Name of the firm/company/agency: -----
2. Address: -----
3. Telephone/Mobile No: -----
4. Email: -----
5. TIN/VAT/GST No: ----- (Attach photocopy of certificate)
6. Firm Registration No: ----- (Attach photocopy of certificate)
7. PAN: ----- (Attach photocopy of certificate)
8. GST No----- (Attach photocopy of certificate)
9. Bid fee details:
 - a. Paid Rs. 1000/- -----
 - b. Cash receipt/Bank Draft No: -----
 - c. Date: -----

Place -----
person)

Date -----

(Signature of the authorized

Name of the Contact person

Name of the Firm

Contact No.

Seal

ANNEXURE – III
TECHNICAL SPECIFICATION

Advertisement No: _____

Name of Work: Empanelment of vendors for supply, installation and maintenance of LAN

1. Passive Item				
SN	Item Name	Description	Make	Model/ Part No
1	UTP cable	4 pair, should confirm or exceed the EIA/TIA 568 B.2-1, (CAT 6) standards for physical & electrical specifications, <i>Sheath Fire retardant PVC Compound (FRPVC) Flame Rating : 60 deg. C As per UL 1685 CM/CMR</i> , UL listed & Verified, Should be certified by independent test lab (ETL etc.) for Zero bit Error Rate Gigabit Ethernet Performance, 23 AWG solid bare copper, ROHS compliant 600MHz (Per Meter)		
2	UTP Cable (shielded)	Same as 1		
3	24 port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & <i>Height should be 1U , to save the Rack space.</i> , confirm EIA/TIA 568 B wiring pattern, should have routing rings & ties and labeling strips for identification, UL listed & Verified, Ports should be individually replaceable, ROHS complaint		
4	48 port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & <i>Height should be 1 U , to save the Rack space.</i> , confirm EIA/TIA 568 B wiring pattern, should have routing rings & ties and labeling strips for identification, UL listed & Verified., ROHS Compliant		
5	Wire Manager/ Patch Chord Minder panel	19 " rack mountable, Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" rack & 1 U height		
6	Information outlets (Single SMB)	Surface mount box with single RJ 45 socket, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, provision for dust cover, labeling icons & strips, anchors for contact , UL listed & Verified, (per unit)		

7	Information outlets (Dual SMB)	Surface mount box with Dual RJ 45 socket, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, provision for dust cover, labeling icons & strips, anchors for contact , UL listed & Verified, (per unit)		
8	Patch Cord	Should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Factory molded transparent boots on RJ 45 plugs at both ends, Option for Straight & cross over cable with colour – Grey, Blue, Red & Green.		
A		A. Length – 1 meter		
B		B. Length – 2 meter		
C		C. Length – 3 meter		
D		D. Length – 5 meter		
E		E .Length – 10 meter		
9	RJ45 connector	(Per Unit)		
2 FIBRE COMPONENTS Multi Mode & Single Mode				
Sl No.	Item	Specifications	Make /Model	Remarks
1	Fiber Optic outdoor armoured cable (OM 3) Multi-mode (MM), 850nm laser optimized 50/125 micron, support 10G Ethernet upto 300 m	Multimode optical fiber cable, 850nm laser optimized 50/125 micron graded index, support IEEE 802.3ae 10 gigabit Ethernet standard to full 300m distance, support 10 Gb/s laser based application as well as LED based application, anti-rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tube, armouring with acrylic coated good quality steel, should confirm or exceed the EIA/TIA 455, EIA/TIA 568-B.3, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications, Required in following configuration (Per Meter) 6 fibers, 12 fibres		

2	Fiber Optic indoor cable (OM 3) Multi-mode (MM)	Multimode optical fiber cable, 850nm laser optimized 50/125 micron graded index, support IEEE 802.3ae 10 gigabit Ethernet standard to full 300m distance, support 10 Gb/s laser based application as well as LED based application, anti-rodent, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications with LSZH sheathing, required in following configuration (<i>Per Meter</i>) 6 fibers		
3	Fiber Optic outdoor armoured cable Single mode (SM)	Single mode optical fiber cable, 9/125 micron graded index, anti-rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tube, armoring with acrylic coated good quality steel, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications., required in following configuration a)6 fibers b)12 fibers c)24 fibers		
4	Fiber Optic indoor Distribution cable Single mode (SM)	9/125 single mode fiber optic cables that are compliant to ISO/IEC 11801 with LSZH sheathing a)6 fibers b)12 fibers		
5	Optical Fiber connectors – SC	SC type, Epoxyless, Field mountable with required accessories & consumables, required for terminating (per unit) a) 50/125 micron MM fiber b) 9.2/125 micron SM fiber		
A		50/125 micron MM fiber		
B		9.2/125 micron SM fiber		
6	Optical Fiber connectors – LC	LC type, Epoxyless, Field mountable with required accessories & consumables, required for terminating (per unit) a) 50/125 micron MM fiber b) 9.2/125 micron SM fiber		
A		50/125 micron MM fiber		
B		9.2/125 micron SM fiber		

7	Optical Fiber Patch Cord, MM, SC to SC	Duplex, 50/125 micron MM fiber, SC connector at both ends, LSZH Sheathing with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
A		3 meter		
B		10 meter		
C		20 meter		
8	Optical Fiber Patch Cord, MM, LC to LC	Duplex, 50/125 micron MM fiber, LC connector on both ends, LSZH Sheathing with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
A		3 meter		
B		10 meter		
C		20 meter		
9	Optical Fiber Patch Cord, MM, SC to LC	Duplex, 50/125 micron MM fiber, SC connector at one end and LC connector on other end, LSZH Sheathing with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
A		3 meter		
B		10 meter		
C		20 meter		
10	Optical Fiber Patch Cord, SM, LC to FC	Duplex, 9/125 micron SM fiber, LC connector at one end and FC connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
A		3 meter		
B		10 meter		
C		20 meter		

11	Optical Fiber Patch Cord, SM, SC to SC	Duplex, 9/125 micron SM fiber, SC connector at both ends, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
A		3 meter		
B		10 meter		
C		20 meter		
12	Optical Fiber Patch Cord, SM, SC to LC	Duplex, 9/125 micron SM fiber, SC connector at one end and LC connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
A		3 meter		
B		10 meter		
C		20 meter		
13	Pigtails SC / LC OM3, Type 1 Meter	Pigtails SC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, for terminating (per unit)		
		a) 50/125 micron MM fiber		
		b) 9.2/125 micron SM fiber		
14	LIU, 12 fiber, 1 U/2U drawer style 19" Rack mount enclosure	Loaded with SC ceramic couplers & adaptor plates for 12 fibers 50/125 micron MM, 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, compatible cable management rings/ bars should be provided		
15	LIU, 12 fiber, 1U/2U drawer style 19" Rack mount enclosure	Loaded with LC ceramic couplers & adaptor plates for 12 fibers 50/125 micron MM, 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, compatible cable management rings/ bars should be provided		

16	LIU, 24 fiber, 1U/2U,19” Rack mount enclosure	Loaded with SC ceramic couplers & adaptor plates for 24 fibers 50/125 micron MM, 19” rack mountable metallic distribution enclosure 1U/2U height with removable back cover, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, Front & rear compatible cable management rings/ bars should be provided		
17	LIU, 24 fiber, 1U/2 U,19” Rack mount enclosure	Loaded with LC ceramic couplers & adaptor plates for 24 fibers 50/125 micron MM , 19” rack mountable metallic distribution enclosure 1U/2U height with removable back cover, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, Front & rear compatible cable management rings/ bars should be provided		

3. Supply & Installation

S No.	Item	Specifications	Make /Model	Remarks
1	I	Route Survey & documentation for laying of UTP &Fibre cable along with detailed cable route diagram, rack position , cable length from each node to switch , identification of switch location with labels & rout marking as per standard and approved labelling plan etc on per node basis		
2	I	In building laying of UTP CAT 6 Cable (Shielded/Unshielded) (Per Meter)		
3	II	Removing of cable/duct (as per actual removed cable/duct) (Per meter)		
4		Supply of duct (per meter)		
	I	15X 15 mm		
	II	30X 25 mm		
	III	40X 25 mm		
5		Fixing of duct		
	I	15X 15 mm		
	II	30X 25 mm		
	III	40X 25 mm		
6		Supply of PVC Conduit of OD size (per Meter)		
	I	20mm		

	II	32mm		
	III	40mm		
7		fixing of PVC Conduit of OD size (per Meter)		
	I	20mm		
	II	32mm		
	III	40mm		
8		Installation of Jack Panel & termination of UTP CAT 6 & 6A cable on Jack panel (12 port) (per port/node)		
9		Installation of Jack Panel & termination of UTP CAT 6 & 6A cable on Jack panel (24 port) (per port/node)		
10		Installation of Jack Panel & termination of UTP CAT 6 & 6A cable on Jack panel (48 port) (per port/node)		
11		Crimping of RJ 45 connectors per connector		
12		Installation & Termination of information outlets (including termination of CAT 6 & 6A cable on I/O) (per node)		
13		Testing of laid cables for the nodes (per node)		
14		Site certification for performance warranty of 20 years through OEM, Network Audit		
	i	up to 100 nodes		
	ii	up to 500 nodes		
	iii	up to 1000 nodes or above nodes		
15		In building laying of fiber in duct/conduit (per meter)		
16		Outdoor laying of fiber with (per meter)		
17		Excavation and resurfacing of the soil (depth 1 mtr) (per meter)		
18		Excavation and resurfacing of concrete (per meter)		
19		Excavations under road crossing & rail track without effecting the traffic (per meter)		
20		Supply and installation / fixing of 1"diameter GI pipe underground and on surface (per meter)		

21		Supply and installation / fixing of 2"diameter GI pipe underground and on surface (per meter)		
22		Supply and installation of 1.5"diameter HDPE PVC jacket for underground laying (per meter)		
23		Supply and installation of 2"diameter HDPE PVC jacket for underground laying (per meter)		
24		Supply and installation of 4"diameter HUME pipe for underground laying (per meter)		
25		SC/LC connector termination on Fiber Optic Cable (with support of proper buffer tubing & termination of fibers in Fiber Termination/ Interconnection Unit with SC/LC coupler) per unit		
26		Supply and installation of buffer tubing kit		
27		Cable pulling pit made of reinforced concrete and brick walls with removable covers, (Cable Vault)		
28		Performance testing of laid Fiber Optic Cable for continuity, length & dB loss as per EIA/TIA-455-60 document for FO test procedures & Documentation of the results (per link)		
29		Installation and Termination of fiber termination/Interconnection unit with SC/LC Coupler (per Unit)		
30		Pigtail splicing per unit		
31		Fiber splicing per unit		
RACK				
32	19 “ Rack, Wall mount 530 mm depth, 6 U height, Front glass / vented door (lockable) and side panel can open	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 40 Kgs, having following accessories 19 “ AC power distribution channel with 5 & 15 Amp power Universal/Indian standard sockets & two fans with wall mounting hardware		

33	Installation of 6U Rack			
34	19 “ Rack, Wall mount 530 mm depth, 9 U height, Front glass / vented door (lockable), and side panel can open	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 40 Kgs, having following accessories 19 “ AC power distribution channel with 5 & 15 Amp power Universal/Indian standard sockets & two fans with wall mounting hardware		
35	Installation of 9U Rack			
36	19“ Rack, Wall mounted, 530 mm depth, 12 U height, Front glass /vented door(lockable)	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 40 Kgs, having following accessories 19 “ AC power distribution channel with 5 & 15 Amp power Universal/Indian standard sockets & spike suppressor, equipment mounting screws/hardware packets (2 nos), with two fan		
37	Installation of 12U Rack			
38	Dressing of 6U rack without accessories			
39	Dressing of 9U rack without accessories			
40	Dressing of 12U rack without accessories			

ANNEXURE - IV
FINANCIAL BID

Advertisement No:_____

Name of Work: Empanelment of vendors for supply, installation and maintenance of LAN

Part-A: Item wise price breakup					
1. PASSIVE ITEM					
Sl No.	Item Name	Description	Unit Price (Rs.)	Tax (Rs.)	Total (Rs.)
1	UTP cable	4 pair, should confirm or exceed the EIA/TIA 568 B.2-1 , (CAT 6) standards for physical & electrical specifications, <i>Sheath Fire retardant PVC Compound (FRPVC) Flame Rating : 60 deg. C As per UL 1685 CM/CMR</i> , UL listed & Verified, Should be certified by independent test lab (ETL etc.) for Zero bit Error Rate Gigabit Ethernet Performance, 23 AWG solid bare copper, ROHS compliant 600MHz (Per Meter)			
2	UTP Cable (shielded)	Same as 1			
3	24 port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & Height should be 1U , to save the Rack space., confirm EIA/TIA 568 B wiring pattern, should have routing rings & ties and labeling strips for identification, UL listed & Verified, Ports should be individually replaceable, ROHS complaint			
4	48 port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & Height should be 1 U , to save the Rack space, confirm EIA/TIA 568 B wiring pattern, should have routing rings & ties and labeling strips for identification, UL listed & Verified., ROHS Compliant			
5	Wire Manager/ Patch Chord Minder panel	19 " rack mountable, Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" rack & 1 U height			

6	Information outlets (Single SMB)	Surface mount box with single RJ 45 socket, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, provision for dust cover, labeling icons & strips, anchors for contact , UL listed & Verified, (per unit)			
7	Information outlets (Dual SMB)	Surface mount box with Dual RJ 45 socket, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, provision for dust cover, labeling icons & strips, anchors for contact , UL listed & Verified, (per unit)			
8	Patch Cord	Should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Factory molded transparent boots on RJ 45 plugs at both ends, Option for Straight & cross over cable with colour – Grey, Blue, Red & Green.			
A		A. Length – 1 meter			
B		B. Length – 2 meter			
C		C. Length – 3 meter			
D		D. Length – 5 meter			
E		E .Length – 10 meter			
9	RJ45 connector	(Per Unit)			

2. FIBRE COMPONENTS (Multi Mode & Single Mode)

S No.	Item	Specifications	Unit Price (Rs.)	Tax (Rs.)	Total (Rs.)
1	Fiber Optic outdoor armoured cable (OM 3) Multi-mode (MM), 850nm laser optimized 50/125 micron, support 10G Ethernet upto 300 m	Multimode optical fiber cable, 850nm laser optimized 50/125 micron graded index, support IEEE 802.3ae 10 gigabit Ethernet standard to full 300m distance, support 10 Gb/s laser based application as well as LED based application, anti rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tube, armouring with acrylic coated good quality steel, should confirm or exceed the EIA/TIA 455, EIA/TIA 568-B.3, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications, Required in following configuration (Per Meter) 6 fibers 12 fibres			

2	Fiber Optic indoor cable (OM 3) Multi-mode (MM)	Multimode optical fiber cable, 850nm laser optimized 50/125 micron graded index, support IEEE 802.3ae 10 gigabit Ethernet standard to full 300m distance, support 10 Gb/s laser based application as well as LED based application, anti-rodent, , , should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications with LSZH sheathing, required in following configuration (<i>Per Meter</i>) 6 fibers			
3	Fiber Optic outdoor armoured cable Single mode (SM)	Single mode optical fiber cable, 9/125 micron graded index, anti-rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tube, armouring with acrylic coated good quality steel, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications., Required in following configuration a)6 fibers b)12 fibers c)24 fibers			
4	Fiber Optic indoor Distribution cable Single mode (SM)	9/125 single mode fiber optic cables that are compliant to ISO/IEC 11801 with LSZH sheathing a)6 fibers b)12 fibers			
5	Optical Fiber connectors – SC	SC type, Epoxyless, Field mountable with required accessories & consumables, required for terminating (per unit) a) 50/125 micron MM fiber b) 9.2/125 micron SM fiber			
A		50/125 micron MM fiber			
B		9.2/125 micron SM fiber			
6	Optical Fiber connectors – LC	LC type, Epoxyless, Field mountable with required accessories & consumables, required for terminating (per unit) a) 50/125 micron MM fiber b) 9.2/125 micron SM fiber			
A		50/125 micron MM fiber			
B		9.2/125 micron SM fiber			

7	Optical Fiber Patch Cord, MM, SC to SC	Duplex, 50/125 micron MM fiber, SC connector at both end, LSZH Sheathing with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter			
A		3 meter			
B		10 meter			
C		20 meter			
8	Optical Fiber Patch Cord, MM, LC to LC	Duplex, 50/125 micron MM fiber, LC connector on both end, LSZH Sheathing with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter			
A		3 meter			
B		10 meter			
C		20 meter			
9	Optical Fiber Patch Cord, MM, SC to LC	Duplex, 50/125 micron MM fiber, SC connector at one end and LC connector on other end, LSZH Sheathing with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter			
A		3 meter			
B		10 meter			
C		20 meter			
10	Optical Fiber Patch Cord, SM, LC to FC	Duplex, 9/125 micron SM fiber, LC connector at one end and FC connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter			
A		3 meter			
B		10 meter			
C		20 meter			

11	Optical Fiber Patch Cord, SM, SC to SC	Duplex, 9/125 micron SM fiber, SC connector at both end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter			
A		3 meter			
B		10 meter			
C		20 meter			
12	Optical Fiber Patch Cord, SM, SC to LC	Duplex, 9/125 micron SM fiber, SC connector at one end and LC connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter			
A		3 meter			
B		10 meter			
C		20 meter			
13	Pigtails SC / LC OM3, Type 1 Meter	Pigtails SC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, for terminating (per unit)			
		a) 50/125 micron MM fiber			
		b) 9.2/125 micron SM fiber			
14	LIU, 12 fiber, 1 U/2U drawer style 19" Rack mount enclosure	Loaded with SC ceramic couplers & adaptor plates for 12 fibers 50/125 micron MM , 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, compatible cable management rings/ bars should be provided			
15	LIU, 12 fiber, 1U/2U drawer style 19" Rack mount enclosure	Loaded with LC ceramic couplers & adaptor plates for 12 fibers 50/125 micron MM , 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, compatible cable management rings/ bars should be provided			

16	LIU, 24 fiber, 1U/2U, 19" Rack mount enclosure	Loaded with SC ceramic couplers & adaptor plates for 24 fibers 50/125 micron MM, 19" rack mountable metallic distribution enclosure 1U/2U height with removable back cover, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, Front & rear compatible cable management rings/ bars should be provided			
17	LIU, 24 fiber, 1U/2U, 19" Rack mount enclosure	Loaded with LC ceramic couplers & adaptor plates for 24 fibers 50/125 micron MM, 19" rack mountable metallic distribution enclosure 1U/2U height with removable back cover, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, Front & rear compatible cable management rings/ bars should be provided			
3. SUPPLY & INSTALLATION					
S No.	Item	Specifications	Unit Price (Rs.)	Tax (Rs.)	Total (Rs.)
1	I	Route Survey & documentation for laying of UTP & Fibre cable along with detailed cable route diagram, rack position, cable length from each node to switch, identification of switch location with labels & route marking as per standard and approved labelling plan etc on per node basis			
2	I	In building laying of UTP CAT 6 Cable (Shielded/Unshielded) (Per Meter)			
3	II	Removing of cable/duct (as per actual removed cable/duct) (Per meter)			
4		Supply of duct (per meter)			
	I	15X 15 mm			
	II	30X 25 mm			
	III	40X 25 mm			
5		Fixing of duct			
	I	15X 15 mm			
	II	30X 25 mm			
	III	40X 25 mm			
6		Supply of PVC Conduit of OD size (per Meter)			

	I	20mm			
	II	32mm			
	III	40mm			
7		Fixing of PVC Conduit of OD size (per Meter)			
	I	20mm			
	II	32mm			
	III	40mm			
8		Installation of Jack Panel & termination of UTP CAT 6 & 6A cable on Jack panel (12 port) (per port/node)			
9		Installation of Jack Panel & termination of UTP CAT 6 & 6A cable on Jack panel (24 port) (per port/node)			
10		Installation of Jack Panel & termination of UTP CAT 6 & 6A cable on Jack panel (48 port) (per port/node)			
11		Crimping of RJ 45 connectors per connector			
12		Installation & Termination of information outlets (including termination of CAT 6 & 6A cable on I/O) (per node)			
13		Testing of laid cables for the nodes (per node)			
14		Site certification for performance warranty of 20 years through OEM, Network Audit			
	i	up to 100 nodes			
	ii	up to 500 nodes			
	iii	up to 1000 nodes or above nodes			
15		In building laying of fiber in duct/conduit (per meter)			
16		Outdoor laying of fiber with (per meter)			
17		Excavation and resurfacing of the soil (depth 1 mtr) (per meter)			
18		Excavation and resurfacing of concrete (per meter)			
19		Excavations under road crossing & rail track without effecting the traffic (per meter)			

20		Supply and installation / fixing of 1" diameter GI pipe underground and on surface (per meter)			
21		Supply and installation / fixing of 2" diameter GI pipe underground and on surface (per meter)			
22		Supply and installation of 1.5" diameter HDPE PVC jacket for underground laying (per meter)			
23		Supply and installation of 2" diameter HDPE PVC jacket for underground laying (per meter)			
24		Supply and installation of 4" diameter HUME pipe for underground laying (per meter)			
25		SC/LC connector termination on Fiber Optic Cable (with support of proper buffer tubing & termination of fibers in Fiber Termination/ Interconnection Unit with SC/LC coupler) per unit			
26		Supply and installation of buffer tubing kit			
27		Cable pulling pit made of reinforced concrete and brick walls with removable covers, (Cable Vault)			
28		Performance testing of laid Fiber Optic Cable for continuity, length & dB loss as per EIA/TIA-455-60 document for FO test procedures & Documentation of the results (per link)			
29		Installation and Termination of fiber termination/Interconnection unit with SC/LC Coupler (per Unit)			
30		Pigtail splicing per unit			
31		Fiber splicing per unit			
RACK_					
32	19 " Rack, Wall mount 530 mm depth, 6 U height, Front glass / vented door (lockable) and side panel can open	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 40 Kgs, having following accessories 19 " AC power distribution channel with 5 & 15 Amp power Universal/Indian standard sockets & two fans with wall mounting hardware			

33	Installation of 6U Rack				
34	19 “ Rack, Wall mount 530 mm depth, 9 U height, Front glass / vented door (lockable), and side panel can open	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 40 Kgs, having following accessories 19 “ AC power distribution channel with 5 & 15 Amp power Universal/Indian standard sockets & two fans with wall mounting hardware			
35	Installation of 9U Rack				
36	19“ Rack, Wall mounted, 530 mm depth, 12 U height, Front glass /vented door(lockable)	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 40 Kgs, having following accessories 19 “ AC power distribution channel with 5 & 15 Amp power Universal/Indian standard sockets & spike suppressor, equipment mounting screws/hardware packets (2 nos), with two fan			
37	Installation of 12U Rack				
38	Dressing of 6U rack without accessories				
39	Dressing of 9U rack without accessories				
40	Dressing of 12U rack without accessories				

Part-B: Summary of prices			
Item category	Total Unit Price (Rs.)	Tax (Rs.)	Total (Rs.)
1. Passive Items			
2. Fibre components			
3. Supply & Installation			
		Grand Total (Rs.)	
Grand Total Rs. In words.....			

Date:
Place:

(Signature of the authorized person)
Name of the Contact Person
Name of the Firm
Contact No.

Seal

ANNEXURE -V
CONTRACT FORM

(To be filled by the successful bidder only)

THIS AGREEMENT is made on the ----- day of -----, 20----- between the Registrar, Institute of Advanced Study in Science and Technology (IASST), Vigyan Path, PaschimBoragaon, Guwahati – 781035 (hereinafter called “the Purchaser”) of the one part and -----(Name of Supplier) of ----- (city and country of Supplier) (hereinafter called “the Supplier”) of the other part:

WHEREAS the Purchaser is desirous that certain equipment/instrument and after sales services viz, ----- (Brief Description of equipment/instrument and after sales services) and has accepted a bid by the Supplier for the supply of those equipment/instrument and after sales services for the sum of ----- (Contract Price in Words and Figures) (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. In consideration of the payments to be made by the IASST to the supplier as hereinafter mentioned, the Supplier hereby covenants with the IASST to provide the equipment/instrument and after sales services and to remedy defects therein in conformity with the provisions of the Contract in all respects.
3. The IASST hereby covenants to pay the Supplier in consideration of the supply of the equipment/instrument and after sales services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the equipment and after sales services which shall be supplied/ provided by the Supplier are as under:

SL. NO	BRIEF DESCRIPTION OF EQUIPMENT/INSTRUMENT AND AFTER SALES SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TERMS

**Annexure – VI:
Experience statement**

Advertisement No: _____

Name of Work: Empanelment of vendors for supply, installation and maintenance of LAN

Please fill in experience in the relevant areas with the client details.

Sl. No.	Name of the Customer Organization	Type of organization	Year of Implementation	Scope of Work	Value of the work (In INR Lakhs)	Present status of the project