



National Institute of Electronics and Information Technology (NIELIT)
(An Autonomous Scientific Society of Ministry of Electronics and Information Technology (MeitY), Govt. of India
E-Sector, Naharlagun, Arunachal Pradesh – 791110
Website: www.nielit.gov.in/itanagar/index.php

Tender No. NIELIT/Pasighat/LAN/11/2k15(Prt.1)/12

Dated: 04/01/2023

Notice Inviting Tender

NIELIT Itanagar invites sealed tenders from the reputed experienced firm for supply & installation of Local Area Network (LAN) at Pasighat EC of NIELIT Itanagar at the following location:

**Pasighat Extension Centre, NIELIT Itanagar,
Near PWD Highway office, Gumin Nagar, Pasighat,
East Siang, Arunachal Pradesh, - 791102**

The Tender Documents can be viewed and downloaded from the websites <https://nielit.gov.in/itanagar/index.php> & <https://nielit.gov.in/pasighat/index.php>, w.e.f. 05/01/2023 at 12.00 Noon onwards. The tender closes on 16/01/2023 at 12.00 Noon and will be opened on 16/01/2023 at 02:00 PM at Pasighat Extension Centre, NIELIT Itanagar, Near PWD Highway office, Gumin Nagar, Pasighat, East Siang, Arunachal Pradesh, - 791102. The estimated value of the work is Rs. 3.50 Lakhs.

-Sd/-

Director In-charge
NIELIT Itanagar

DOCUMENT CONTROL SHEET

Tender No:	Tender No. NIELIT/Pasighat/LAN/11/2k15(Prt.1)/12 Dated: 04/01/2023
Name of Organization	National Institute of Electronics & Information Technology (NIELIT), Itanagar
Date of Issue/Publishing	05/01/2023
Document Download Start Date	05/01/2023
Name Of The Work	Supply & Installation of Local Area Network at Pasighat Extension Centre(EC) of NIELIT Itanagar
Time Of Completion	15 (Fifteen) days from date of issue of order.
Tenders To Be Submitted at	Pasighat Extension Centre, NIELIT Itanagar, Near PWD Highway office, Gumin Nagar, Pasighat, East Siang, Arunachal Pradesh, - 791102
Estimated cost	Rs 3.50 Lakhs
Earnest Money Deposit (EMD)	Exempted
Technical Specifications	ANNEXURE - I
Rate Sheet	ANNEXURE - II
Venue of Opening of Tender	Pasighat EC of NIELIT Itanagar
Last date of submission of Tender document	16/01/2023 at 12:00 Noon.
Date & Time Of Opening Tender	16/01/2023 at 2:00 PM
Address for Communication	Director In-charge, Pasighat Extension Centre of NIELIT Itanagar, Near PWD Highway office, Gumin Nagar, Pasighat, East Siang, Arunachal Pradesh, - 791102

(IN FIRM'S LETTER HEAD)

LETTER OF ACCEPTANCE TO BE SUBMITTED IN THE BID.

To: The Director In-charge
Pasighat Extension Centre of NIELIT Itanagar,
PWD Highway Road, Gumin Nagar, Pasighat, East Siang,
Arunachal Pradesh, - 791102

Sub: Acceptance of Terms and conditions of tender.

Ref: **Tender No. NIELIT/Pasighat/LAN/11/2k15(Prt.1)/12**

Dated: 04/01/2023

Sir,

Having examined in details of the above tender documents relating to the works and having acquired all the requisite information affecting the tender invited by you, I / We..... hereby agree to all terms and condition of the contract [as laid down in the tender document(s)]. I/We also agree that the printed term(s) and condition(s) if any at the back of our quotation form and / or any other paper enclosed are not applicable.

I/We undertake to complete the whole works within the period specified in the tender. In this connection we are providing here with the following information.

1. **Firm Registration** certificate.
2. **Proof of address** of the firm.
3. In case bidder is a Authorized Dealer/ Distributor,
 - a. Proof of Dealership/Distributorship from parent Company.
 - b. Authorization certificate from parent company authorizing participation in the tender.
4. **Annual Turnover** of the last financial year: (Copies of Balance Sheet and IT return enclosed)
5. List of Clients at different states of NE region for the last 3(three) years along with copies of relevant **work order**.
6. GST Registration No..... PAN No.....
(Copy Enclosed)
7. Acceptance of price bid format enclosed.
8. Any other relevant document.

(Signature with Seal)

(Name & Designation in block letters)

INSTRUCTION REGARDING TENDER

Note: Bidders are requested to note that non-compliance of the following instructions are liable to render their tender being rejected.

1. Two Bid Procedures: The tender must be in two bid system. All technical documents along with the supporting documents are to be placed in a sealed envelope to be marked as "Technical Bid" and Price for various components must be in the second envelope to be marked as "Price Bid". Both the envelope is to be put in single envelope and to be sealed and submitted to the Centre In-charge, super scribing "**Offer for supply, installation and commissioning of LAN Connectivity at NIELIT Pasighat Campus**" and name / address of the firm.
2. All specifications are minimum requirements. Better / higher specifications will be considered.
3. Parties shall visit the site so as to prepare a correct bill of material. The bill of material attached is for indicative purpose only and order quantity may be different.
4. The party must have executed at least one similar works in any Government Institutions/Offices/organizations.
5. The party must ensure proper dressing & tagging of the cables.
6. If more than one tax or levies are applicable, those must be shown separately.
7. Packing, forwarding and freight if any must be shown separately.
8. All the equipment configurations should be done by the party itself.
9. The rate should be inclusive of maintenance & replacement support for at least 3-years on all equipments without any additional cost.
10. Parties should not be blacklisted by any Government organization.
11. Road permit, if required must be availed by the party.
12. Payment will be given as per NIELIT terms and conditions.
13. NIELIT shall not incur any other cost beyond what is specified in the offer.
14. Order should be executed in full within 15 days from the date of placing supply / work order.
15. Bidders should put **endorsement** on each page of the tender documents as token of perusal.
16. Bidder shall provide **documentary evidence** of their experience in similar or IT work supply and value in the NE region during the last 3 (three) years.
17. The bidder should make no alterations and / or addition to the tender papers. **Only typed / Printed quotations will be accepted.**
18. The Tender should be submitted to NIELIT Pasighat EC office only.
19. EMD exempted.
20. Items are to be quoted in Indian Rupees only.
21. No Quotation will be accepted by fax, e-mail, telex, or any other such means.
22. Acceptance should be given as per enclosed format without any alterations.
23. All rates quoted will be considered to be inclusive of all taxes and freight of delivery place.
24. Bidders should submit all supporting documents in favour of information submitted in the tender. Further, copies of all statutory licenses and documents like PAN, GST etc. should be enclosed. All documents submitted should be serially numbered.
25. Partial or selective quotes, conditional tenders would be summarily rejected.
26. NIELIT Itanagar shall be under no obligation is liable to accept the lowest quotation. Further the Director In-charge, NIELIT Itanagar reserves the right to reject all or any of the tenders without assigning any reasons.

GENERAL TERMS AND CONDITIONS OF CONTRACT

This tender notice shall be governed by following terms & conditions:

ELIGIBILITY- To be eligible to participate in the tender, a Bidder should be:

1. Experienced in completion of similar works or IT works (Copy of satisfactory completion certificate compliance with value of work order to be enclosed) for minimum 01 (one) work orders as detailed in 1.b below.
2. All components & equipments including cable must be ISI/IEEE standard.
3. **NIELIT Itanagar** may allow extension of time if the works are delayed by reasons beyond the control of the Contractor.
4. **F.O.R. Rates:** The rates quoted should be F.O.R. location of the LAN and should be inclusive of freight/packing/forwarding and other incidental charges.
5. Quotation with overwriting, alternations will not be considered. **Only typed / printed quotations** will be accepted.
6. **Validity of Rate:** The rates quoted have to be valid up to 6 (six) months from the date of opening of Commercial bid.
7. **Warranty:** Warranty period shall have to be for at least 1(one) year from the date of certification. Performance Bank Guarantee @1% of the Work Order Value is required to submit by the bidder on award of contract for a period of 13 Months from the date of commissioning and certification.
8. **DEDUCTIONS-** Statutory taxes and duties will be deducted at source as per government norms.
9. **Liquidated Damages:** If the Seller fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value without any controversy/dispute of any sort whatsoever.
10. **Payment Terms:** Bills can be submitted on successful execution of Work Order along with certification from concerned official of NIELIT for release of payment. No advance payment shall be made under any circumstance.
11. Details of the Taxes as applicable should be mentioned in the quotation clearly. In case of any ambiguity, prices will be considered as inclusive of all taxes.
12. In case of any dispute on account of deviation of the terms and conditions, the responsibility will be of suppliers and the decision of the Director, NIELIT Itanagar shall be binding and final.
13. **DISPUTES:** All disputes lie within the jurisdiction of Arunachal Bench, Guwahati High Court.
14. The Bidder is liable to compensate NIELIT Itanagar for any loss suffered. All penalties imposed should be deposited by the Contractor immediately or may be deducted from any amount due to the Contractor.

15. The Tender is likely to be rejected because of non-fulfillment of any of the above terms.
16. The detailed specifications of the goods are as per ANNEXURE-I attached.
17. The Rate Sheet is placed at ANNEXURE – II.
18. **Right to accept/ reject:** The Director, NIELIT Itanagar reserves the right to reject all or any tender without assigning any reason thereof.
19. CAT6 UTP Cable Laying installation works will be measured based on the actual usages of the Cable.
20. PVC Casing capping need to fix in cable laying works wherever possible and where the scope is available. An area where the works of installation of PVC Capping is not possible is exempted for fixing of the Casing. However, the works will be measured as a whole under the Item “Cat6 UTP Cable lays with PVC Casing capping” as a single unit rate as per Annexure-II. Only Cable length will be considered for measurement for each individual cable irrespective of Cashing capping and Nos. of cable inserted in a single cashing.

1. Bidder need to submit the compliance of each item.
2. Datasheet for all products need to submit.
3. Product certificate as per technical specifications required to submit.

Items/Accessories and Installation Works details:

Sr.No	Items	Quantity	Product Quoted with model and Brand Name
1	Information Outlet: Cat6 Single RJ45 UTP Port with Box	65	
2	Cat 6 Patch Cord 1mtr	55	
3	Cat 6 Patch Cord 2mtr	10	
4	6U Mounting Rack with front Glass door and following accessories Ac mains channel (5x5A) socket and a switch IU cable manager	1	
5	4U Mounting Rack with front Glass door and following accessories Ac mains channel (5x5A) socket and a switch IU cable manager	1	
6	RJ45 Connector Cat6 (100 Jack Per Box)	1	
7	24Port 10/100/1000 Ethernet Switch	3	
8	Patch Panel Cat6 - 24 Port	3	
9	Cat6 UTP Cable 305m	2	
10	Cat6 UTP Cable 105m	1	
	Installation Work		
1	Cat6 UTP Cable laying with PVC Casing capping(Cost of PVC Casing is included with this job)	676 Mtrs	
2	Patch Panel fixing and termination charges including Switch Fixing	3	
3	Rack fixing and dressing and Switch Assembly	3	
4	Fixing of IO with Surface Mount Box	65	

TECHNICAL SPECIFICATIONS**Technical Specification for 24Port Gigabit Switch**

Sr.No	Technical Specifications	Compliance (Yes/No)
1	24Port 10/100/1000Mbps Port Rack mountable, 48Gbps bandwidth, 512KB Buffer Memory, Jumbo frame @ 9216bytes, MAC address will be 8K, Latency (using 64-byte packets) 3 year warranty	

CAT6 UTP Cable

Sr No	Feature	Requirement	Compliance	Remarks, If any
1	Type	Category 6 Unshielded Twisted Pair 4 pair cable shall be compliant with ANSI/TIA/EIA-568-B.2-1 Additional Transmission Performance Specifications for 4-pair Category 6 Cabling.		
a)	Type	Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP.		
b)		Supports ultrahigh speed data networks such as Gigabit Ethernet (1000 Base-T and 1000 Base-TX) and beyond.		
2	Jacket:	Jacket FR-PVC/LSZH and Should comply to FR-PVC/LSZH 332.1, IEC 60754-2 and IEC 61034-2		
3		Incorporates central spine maintaining pair separation during installation to ensure premium performance after installation.		
4	Mechanical Characteristics	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted. Conductor Solid Copper Conductor Diameter 0.56±0.005mm (23 AWG) Insulator Polyolefin Outer Diameter 6.0±0.4mm Max. Temperature 75°C		
5	ROHS/ELV	Compliant		

Cat6 Patch Cord

Sr.No	Item Specification	Features	Compliance Yes/No
1	Cat 6	4 Pair 24AWG stranded copper wire with ROFIS Compliant	
2	Boots	Transparent Plug with anti-snap slip on boots	
3	RJ45 Plug Standard	ISO/IEC 60606-7-4 and FCC 47 Part 68	
4	Sheath Standards	LSZH	
5	Separator	Cross / Star Spine to separate 4Pairs Patch Cords	
6	Standards	ETL Certified with ANSI/TIA-568-C.2, ISO/IEC 11801 Category 6	
7	Operating Temperature	-20 Degrees to +60 Degrees	

Cat6 Single- IO Box with Surface Mount Box

Sr.No	Item Specification	Features	Compliance Yes/No
1	Type	Shutters should be on faceplate.	
2	Wire terminal	200 termination cycles	
3	Modular Jack	750 mating cycles	
4	Plastic Housing	Polycarbonate, UL94V-0 rated or equivalent	
5	IDC Contact Plating	Tin/Lead Plate	
6	Faceplate	Square shuttered plate with 1/2/4 port. 86 x 86 mm	
7	ROHS/ELV	Compliant	

Patch Panel Cat 6 UTP Keystone Type- 24 Port-Fully Loaded

Sr.No	Item Specification	Features	Compliance Yes/No
1	Type	Loaded with Jack, A key product used in both Category 6 link and channel gigabit Ethernet applications. Offering both front and rear labeling options.	
2	Ports	24	
3	Plastic Housing Jack Connector	Polycarbonate, UL94V-0 rated or equivalent	
4	Contact Plating	50g” Gold/100g” Nickel	
5	Front Connector interface	RJ45	
6	Circuit Identification Scheme	Icons on each of 24-ports	
7	Port Identification	9mm or 12mm Labels on each of 24-ports (to be included in supply)	
8	Height	1 U	
9	ROHS/ELV	Compliant	

Technical Specification for Wall-Mount Network Rack

Sr.No	Technical Specifications	Compliance (Yes/No)
1	Rack Standard - Conforms to DIN 41494 or equivalent standard	
2	Construction - Welded	
3	Front Door - Lockable Toughened Glass Door	
4	Basic Frame - Steel	
5	Equipment Mounting - DIN Standard Slots	
6	Mounting Angle -19” Mounting angles made of formed steel, Power Coated	
7	Static Load - 25 Kg or more	
8	6U Size - 550mm (W) x 600mm (D) x 347mm (H)	
9	4U Rack, Size: 520mm (W) x 400mm (D) x 220mm (H)	

LAN for Admin Building of Pasighat EC-Terminal and Rack Distribution Plan

Ground Floor [G_FLR]									
Sl. No	Rooms	Nodes	Rack	Rack Position	Nos of Switch	I/O	Patch Panel	Patch Cord 1 Mtr	Patch Cord 2Mtr
1	Lab-1	24	U6-1	G_FLR	1	24	1	24	0
2	Lab-2	24	U6-1	G_FLR	1	24	1	24	0
3	Reception	1	U6-1	G_FLR	0	1	0	0	1
		49			2	49	2	48	1

Total port required= 49 no's [G_FLR = Ground Floor]

First Floor									
Sl. No	Rooms	Nodes	Rack	Rack Position	No's of Switch	I/O	Patch Panel	Patch Cord 1 M	Patch Cord 2M
1	Faculty Room	8	U4-1	1 ST FLR	1	8	1	9	1
2	Center In charge	2	U4-1	1 ST FLR	0	2	0	0	2
3	Director	2	U4-1	1 ST FLR	0	2	0	0	2
4	Auditorium	2	U4-1	1 ST FLR	0	2	0	0	2
5	Admin Room	2	U4-1	1 ST FLR	0	2	0	0	2
		16			1	16	1	9	9

Total Nodes: 16 Nos.

Total Nodes = 49+16=65 nos

(In firm's letterhead)

RATE SHEET

Tender No. NIELIT/Pasighat/LAN/11/2k15(Prt.1)/12

Dated: 04/01/2023

For Supply & Installation of Local Area Network (LAN at Pasighat EC of NIELIT Itanagar)

SL	Items	Qty (Nos. if not specified)	Product Quoted	Rate Including GST (Rs)	Amount Including GST (Rs)
1	Information Outlet: Cat6 Single RJ45 UTP Port with Box	65			
2	Cat6 Patch Cord 1mtr	55			
3	Cat6 Patch Cord 2mtr	10			
4	6U Mounting Rack with front Glass door and following accessories Ac mains channel (5x5A) socket and a switch IU cable manager	1			
5	4U Mounting Rack with front Glass door and following accessories Ac mains channel (5x5A) socket and a switch IU cable manager	1			
6	RJ45 Connector Cat6 (100 Jack Per Box)	1			
7	24Port 10/100/1000 Ethernet Switch	3			
8	Patch Panel Cat6 - 24 Port	3			
9	Cat6 UTP Cable 305m	2			
10	Cat6 UTP Cable 105m	1			
	Total Equipment cost				
	Installation Work				
1	Cat6 UTP Cable laying with PVC Casing capping(Cost of PVC Casing is included with this job)	676 Mtrs			
2	Patch Panel fixing and termination charges including Switch fixing	3			
3	Rack fixing and dressing and Switch Assembly	3			
4	Fixing of IO with Surface Mount Box	65			
	Total Installation Cost				
	Grand Total				

(Signature)
with Seal &
Date