



राष्ट्रीय प्रौद्योगिकी संस्थान मणिपुर
NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR

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An Autonomous Institute under Ministry of Education, Govt of India.

No. NITM.1/(25-Estt)/Internet/2016/1700

Date:31/01/2024

**NOTICE INVITING TENDER FOR SUPPLY OF 500 MBPS
INTERNET CONNECTIVITY LEASED LINE (OFC) (1:1
UNCOMPRESSED AND UNSHARED.**

National Institute of Technology Manipur invites sealed rate quotations from reputed firms for supply of '500 Mbps Internet connectivity Leased Line (OFC) (1:1 uncompressed and unshared)' in two bid systems (Techno commercial Bid & Price Bid).

Interested reputed firms are required to submit the sealed tender in the Prescribed Form along with required documents to "The Registrar, National Institute of Technology Manipur – 795004 on or before 1:00 p.m. of 29/02/2024. The complete Tender document and terms & conditions is available in the institute web-site <http://www.nitmanipur.ac.in>. & eProcurement.

Sd/-

Registrar, NIT Manipur

Signature
01/02/2024

Tender Document for

500 Mbps Internet connectivity Leased Line (OFC) (1:1 uncompressed and unshared) at NIT Manipur Langol, Imphal West. Manipur.

TENDER NOTICE

Tender No.-NITM.1/(25-Estt)/Internet/2016/1700

Date:31/01/2024

National Institute of Technology Manipur invites sealed tenders in the shape of Two Bid Systems i.e. (Techno commercial Bid & Price Bid) from reputed firms for 500 Mbps Internet Connectivity Leased Line (OFC) (1:1) uncompressed & unshared with last mile on fiber) for NIT Manipur server room. 1.

The tenderers are required to submit a non-refundable tender fee of Rs. 1,000/- (Rupees one thousand) only in the form of Demand Draft/Banker's Cheque in favour of Director, NIT Manipur payable at State Bank of India, Secretariat Branch, Imphal. The non-refundable tender fee should be submitted along with the Tender documents. Tenders without Tender Fee will be rejected.

Description	Last Date & Time for submission of tenders	Date & Time for opening of Technical Bids	Validity of offer
500 Mbps Internet Connectivity Leased Line (OFC) (1:1 Uncompressed and unshared)	29 th Feb 2024 Up to 1.00PM	1 st March 2024 at 2:00 pm	60 days

Submitted to:

Registrar
NIT Manipur,
Langol Campus,
Imphal West 795004, INDIA

Note: TENDER RECEIVED AFTER STIPULATED DATE & TIME SHALL NOT BE CONSIDERED.

Part - I

(Techno Commercial bid)

1. Introduction:

NIT Manipur, has a plan to install 500 Mbps Internet connectivity Leased Line (OFC) (1:1 uncompressed and unshared) to be installed at server room” on rental basis. This is required for the purpose of connectivity for Internet services at NIT campus. The following document, in its entirety, has been brought out as both a bid specification to outline the requirements for the works to be provided, and a basis for proposal submission by the bidder.

2. Scope of the work:

To provide 500 Mbps Internet leased line connectivity on uncompressed, unshared leased line (OFC) (1:1) at NIT Manipur campus on rental basis. This includes installation, commissioning, testing and up keep of the complete link annually. The connectivity will be through dedicated Internet service. The hardware and software required for the establishment of fully functional leased line will be provided by the bidder on rental basis.

Pre-qualification Criteria: Mandatory (*Tenderers not meeting the criteria will not be considered*)

- 3.1 The bidder should have a valid IPS licensee from state govt or Govt. of India. (Attach a copy of license).
- 3.2 ISP must have distributed minimum 50 Mbps of Internet bandwidth to its clients (Attach certificate).
- 3.3
 - a) The quotation should clearly indicate the different components of the total charges- recurring (annual) and non-recurring (one time) for bandwidth and equipment supplied.
 - b) The firm must give compliance statement of all the identical items along with all terms and conditions. Deviations, if any, should be clearly indicated in remarks in separate deviation sheet.

- 3.4 a) The ISP should have a fully functional Customer Service Centre in Manipur, which is operational 365X7X24 hours. (Attach Certificate)
- b) The bidder would insure that the local loop provisioning does not violate regulations as laid by Government of India/TRAI in respect of such links/networks. Bidder will be responsible for making all the payments towards the local loop charges/rentals/WPCcharges etc.
 - c) Liaisoning (if required) with other firm(s) for obtaining point to point connectivity between ISP node and NIT Manipur Langol campus shall be the responsibility of quoting firm.
 - d) The Price bid will be considered only when it qualifies technically.
 - e) NIT Manipur reserves the right to carry out the capability assessment of the bidder and the decision of NIT Manipur shall be final in this regard.
 - f) ISP must clearly state in technical bid that financial bid contains all components viz. recurring, non-recurring, bandwidth charges etc. as mentioned above.
 - g) Quoting firms must put page number on every page of the bid. It is also required that page nos. of the documents attached should be mentioned against each item of the main bid.
 - h) Every bid document should be signed and stamped by authorized signatory.
 - i) PERIOD OF INTERNET CONNECTIVITY SERVICE
CONTRACT: - The InternetConnectivity contract shall be initially for a period of (01) one year.

Bidders not complying with above conditions or not providing complete information as described shall not be considered and hence out rightly rejected.

4. Special Conditions of Contract (SCOC):

4.1 NATURE OF TENDER: It is a two part tender namely:

Part-I: “Techno Commercial bid” and

Part-II: “Price Bid”

4.1.1 Part-I: Techno Commercial bid: It consists of followings:

Detailed technical aspects, scope of work, commercial terms, payment terms, completion time, validity of offer etc.

4.1.2 Information / documents furnished by the bidders in support of meeting the pre-qualification criteria, general terms and conditions and Special terms and conditions.

4.2.0 Part-II: “Price bid”:

Price for each of activities mentioned in part II of tender document as per Annexure -III is to be quoted separately in the price bid format attached as part II of tender document, duly signed by the tenderer.

4.2.1 BID SUBMISSION METHOD: Bids must be submitted in sealed cover as follows

One sealed cover (Envelope) containing techno commercial bid and clearly superscripting the cover as **“Techno commercial bid for 500 Mbps Internet connectivity Leased Line for NIT Manipur”**. Document / declaration in support of pre qualification should be put in a separate envelope super scripting **“Pre qualification”**, sealed and to be put inside the same envelope for techno commercial bid.

4.2.2 The 2nd sealed cover shall contain the price bid and clearly stating on the cover as **“Price bid for 500 Mbps Internet connectivity Leased Line for NIT Manipur”**.

4.2.3 Above mentioned two envelopes to be wrapped in another sealed cover super scripting **“Techno-Commercial bid and Price Bid for 500 Mbps Internet connectivity Leased Line for NIT Manipur”** along with **tender no.** and due **date of opening**.

N.B.: 1. Any corrections in the bid document should be authenticated by the bidder by putting signature with stamp.

2. The price bid enclosed by the bidder along with the techno-commercial bid instead of keeping it in a separate cover shall be out rightly rejected.

4.3 Opening of tenders:

4.3.1 All the tenders received up to the time and date of opening will only be considered for opening and tenders received late shall not be considered under any circumstances.

4.4 Evaluation of bid:

- 4.4.1** Techno-commercial bids of those bidders who satisfy pre qualification criteria of this tender will only be evaluated by an evaluation committee nominated by competent authority to conclude the tender. Price bids of bidders who are techno-commercially eligible as per evaluation committee will only be opened. L1 (lowest bid) will be decided on overall L1 basis (as mentioned in price bid) Annexure-III.
- 4.4.2** Unless otherwise stated in the price bid, it will be construed that the price quoted is inclusive of all taxes and duties. No claim in this regard will be entertained at a later stage.
- 4.4.3** The price quoted by the bidder should be final and no escalation shall be permitted during the contract period except for statutory levies enhanced or introduced subsequent to the date of submission of the price bid duly supported by documentary evidence.
- 4.4.4** If the cost of International Bandwidth is reduced during the period of contract, the benefit of the same shall be equally passed on to NIT Manipur.

4.5 Payment terms: The payment schedule shall be as follows:

4.5.1 A) Band Width charges / or Annual Port Charges

500 Mbps of Internet Bandwidth (OFC) (1:1 uncompressed and unshared) from NIT Manipur to International Internet gateway of ISP.

NIT Manipur will not be responsible for any kind of damage of hardware / software provided by ISP. All these items shall be in complete maintenance warrantee of the firm.

4.5.2 SCHEDULE OF PAYMENT:

Mode of payment will be subject to the following conditions on various tasks as under:

Bandwidth Charges:

Bandwidth charges are payable annually after raising the bill by the successful ISP. For this ISP will raise the bills at-least thirty days in advance before the end of half-yearly period.

OTHER TERMS & CONDITIONS:

- a) Bidder should submit valid documentary proof of GST Tax Registration Number as Applicable and the details of income tax registration (PAN)
- b) Director NIT Manipur reserves the right to verify/seek confirmation of all original documentary evidence submitted by bidders in support of above mentioned specification for eligibility criterion. In case any information furnished by the bidder is found to be false/incorrect at any stage, the bid shall be summarily rejected and no correspondence on the same shall be entertained.

NB: All taxes and duties will be paid as per actual and against documentary evidence.

4.6. RESPONSIBILITIES UNDER THE CONTRACT:

The ISP would be responsible for the following:

1. To provide 500 Mbps Internet connectivity (Leased Line) at NIT Manipur on yearly rental basis.
2. Internet Router Port at ISP Gateway for required Bandwidth.
3. Installation, commissioning, configuring of the link and hardware/software (Mux, Modems and Router etc. to make line fully functional at 500 Mbps.).
4. Maintenance support service (24 hours and 7 days a week) for Bandwidth and equipment.
5. ISP or authorised person from ISP will be required to sign Service Level Agreement.
6. Either party may terminate the contract after giving one month notice.
7. In case of the above parameters going out of specifications, NIT Manipur will be compensated adequately in respect of the extended time for the loss of hours in service. Also, if services are not found satisfactory, NIT Manipur reserves the right to cancel the contract within one-month.

4.7 Completion period:

The successful bidder should take all care to complete the contract within 1 month from the date of award and acceptance of contract.

4.8 Service Level Agreement

- a. 500 Mbps Internet bandwidth at all the time.
- b) Packet Losses: Less than 1 % (Average over 1000 ping) at any given point of time to any part of globe.
- c) Latency: Less than 300 ms
- d) Network Availability: More than 99.5 % per quarter.
- e) Reports for performance, monitoring /usage to be submitted by the ISP on weekly or monthly basis or as per requirement of NIT Manipur.
- f) The bidder will provide the facilities to measure the above parameters at NIT Manipur. The facility of measurement / monitoring of above parameters or graphical display will be provided by the bidder.

In case of the above parameters going out of specifications, NIT Manipur will be compensated adequately in respect of the extended time for the loss of hours in service. Also, if services are not found satisfactory, NIT Manipur reserves the right to cancel the contract within three-months.

Annexure-I

Technical specification and requirements for 500 Mbps Internet connectivity Leased Line (1:1 uncompressed and unshared with last mile on fiber) for NIT Manipur, for a period of one year.

Sr. no	Technical Specification for Internet Leased Line Connection	Complied (Yes/No)	Deviation if any
1	The bidder should have a valid IPS license from state govt or Govt. of India. (Attach a copy of license).		
2	The Internet connectivity leased line should have fully dedicated(1:1), unshared & High Quality 10 Mbps symmetric bandwidth without any compression factor through Optical Fiber cable.		
3	The ISP/bidder should have fully resilient and self healing networkarchitecture, on fiber medium, from the international gateway in India upto the international Points of Presence		
4	The ISP/bidder should have Network Operation Centre (NOC) for trouble shooting around the clock		
5	Internet Router Port at ISP Gateway for required Bandwidth and 32Public IP addresses of ipv4 pool and 64 Public IP addresses of ipv6 pool.		
6	The bidder should furnish a detailed network/ schematics diagramof total solution proposed showing connectivity from ISPs gatewayTerminal Point to required locations at NIT Manipur server room.		
7	The connectivity from the POPs of service providers to NIT Manipur server room shall be through Optical Fiber Media		
8	All the equipments supplied by the bidder should be capable of handling higher band width in case up gradation is required in the later stage.		
9	The bidder should submit technical literature explaining the proposed implementation diagram with the technical bid		

10	The bidders should have Direct \ toll free number to register complaints round the clock (24x7), Maintenance support service(24 hours and 7 days a week)		
11	All the POPs from where the ILL bandwidth is provided, NIT Manipur should have redundancy of equipments, links, power, backhaulconnectivity etc. Service provider needs to confirm it in writing.		
12	The ILL links should be available in full duplex mode which must be demonstrated to Technical staff of NIT Manipur		
13	The service provider should have independent Network Operation Centre with 24x7 supports to take care of the ILL link managementrequirements.		
14	Service provider has to provide facility to NIT Manipur to monitor theSLA (Service level Agreement) parameters and log the Trouble tickets on line. NIT Manipur should also be able to obtain standard reports on the ILL links' Bandwidth Utilization (in Mbps, in frames/sec), Errors (frames/sec),Discarded (frames/sec), Non unicast(frame/sec), Bandwidth availability, Packet loss (in %), Latency of links etc. through any network monitoring tool / web browser provided by service provider.		
15	NIT Manipur will consider the successful provision of the link subject to satisfactory Acceptance Test. However, the same will be shared with the Bidder / SP. Following tests may be adopted : a. Average latency should not be more than 250 ms up to ISPs 1stTier 1 peering point. b. Domestic Latency < 80 Millisecond during peak traffic hours c. International Latency < 250 Millisecond during peak traffic hours d. Packet Loss < 0.5% Facilities of testing above parameters willbe provided by the Bidder / ISP		

Annexure-II

Client List

Details about the client where the bidder executed similar solution.

Sl. No	Name of client & office address of contract Person with phone no	Nature of operation of client (Manufacturing / trading / others)	Whether Multi location client (Yes/No)	Name of contract	Start year of contract	Compliance year of contract	Whether support service attached
1							
2							
3							
4							

Note: The bidder is required to provide execution of the 500 Mbps Internet connectivity Leased Line (OFC) (1:1 uncompressed and unshared) at least for **three clients** in the above format with necessary supporting documents

Part II

Price Bid

PRICE BID FORMAT

TENDER DOCUMENT FOR 500 Mbps Internet connectivity Leased Line (OFC) (1:1 uncompressed and unshared) for NIT Manipur server room for a period of (01) one year

(This shall be detached and submitted as PRICE BID)

SI No	No. of links / Speed	Unit Rate per year	YearlyCost
1	(A)Bandwidth Charges: One no. 500 Mbps Internet connectivity Leased Line (OFC) (1:1 uncompressed and unshared) at NIT Manipur server room.		
2	Applicable taxes on above 1 a. b. c.		
3	(B)One time installation & Configuration charges		
4	Applicable taxes on above 3 a. b. c.		
5	(C)Annual rentals (Recurring charges)		
6	Applicable taxes on above 5 a. b. c.		
7	Total (1+2+3+4+5+6)		
8	Any other charges (To be specified) (if any)		
9	Over All Total (7+8))		
10	Over All Total in Words		
	Note: 1. Order shall be placed on the party who quotes over all lowest rate (L1). 2. In case of confusion of unit rate against total price, unit rate will prevail for evaluation. 3. In case of confusion in word and figures in quoted rate / total price of any item, rate /total price quoted in word will prevail. Similarly in case of confusion in word and figures in overall price, price quoted in words will prevail.		

