



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ODISHA)**

An Institute of National Importance under Ministry of HRD, GOI

NOTICE INVITING TENDER

Tender Notification No: NITR/PW/TL/2019/98

Dated: 26/02/2019

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Upgradation & Extension of Existing Telephone Exchange with AMC** at NIT Rourkela.

Last date of Submission of Bid : **19/03/2019 at 11:00 AM**

Date of opening of technical Bid : **20/03/2019 at 11:00 AM**

For Details: http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx

Contact: Dr. Lakshi Prosad Roy , TL; Ph: +91-661-2462455;

Email: pic-telephone@nitrkl.ac.in

Bidding through: <https://eprocure.gov.in/eprocure/app>

**sd/-
REGISTRAR**



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008, ODISHA**

(OPEN TENDER NOTICE NO.: NITR/PW/TL/2019/98

Dated: - 26/02/2019)

(Upgradation & Extension of Existing Telephone Exchange with AMC)

SI No	Item Description	Unit	Qty
1.	Upgradation of Existing Telephone Exchange to Mitel MX One Version 7.x or OEM released latest version. The call manager software to be loaded in NIT Rourkela data center virtualized platform.	Nos.	1
2.	Supply of LIM Media Gateway with 300 Analog extension with appropriate licenses, MDF Component and Power supply system as per Technical Specification compatible to Mitel system.	Nos.	1
3.	Communication Earthing for the system with Copper.	Nos.	2
4.	IP/SIP Phone as per Specification	Nos.	100
5.	Comprehensive AMC for 03 years for the Upgraded complete Mitel Exchange and one DSLAM unit (HUAWEI, SmartAX MA 5600T) for 500 Line.	Year	3 Yrs.
6.	Installation/Testing / Commissioning charges	Job	1

Bidder to consider cost of any other Item, required to complete the Job as per Scope of Work.

1. Quantity required : **As mentioned above (All information regarding technical specification provided in the Annexure-I)**
2. Delivery : Within **60 days** from the date of purchase order.
3. **Last Date of submission of Tender : 19/03/2019 at 11:00 AM**
4. **Date of opening of technical bid : 20/03/2019 at 11:00 AM**
5. The firm should not have been black listed at any time.
6. The submission of following bids by the tenderer should be through.
<https://eprocure.gov.in/eprocure/app>. Please follow the guidelines as per the portal.

Procurement of Upgradation & Extension of Existing Telephone Exchange with AMC

(Tender Notice No.: NITR/PW/TL/2019/98 dated: 26/02/2019) Due on 19/02/2019 at 11:00 AM

7. **Liquidated damage clause** will be charged for any delay in supply of goods.
8. The validity of the tender shall be **90 days** from the date of opening of the bids.
9. Detailed advertisement including all tender documents is also available in our website at http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx .
10. NIT reserves the right to qualify or deny prequalification of any or all applicants without assigning any reasons.

Specifications for Upgradation & Extension of Existing Telephone Exchange with AMC

Item No	DESCRIPTION
1.	<p>To provide voice communication facility, NIT Rourkela presently runs with IP PBX Model Mitel MX One Ver 4.x, Number of LIM: Two, Server type: HP 02 No (Primary and Secondary) for 1704 Analog extension and 504 IP extension. NIT Requires an upgradation of the existing system and add a New LIM to a new location to meet the requirement of additional Telephone line. (Bidder needs to provide compliance statement against each point as mentioned below)</p> <p>Upgradation of existing Mitel exchange:</p> <p>A. Existing version 4.x Licences to be upgraded to Version 7.x or OEM released latest version.</p> <p>B. All the existing Hardware shall be reused with the upgraded Exchange to maintain existing Telephone lines/facilities.</p> <p>C. Any release of new version by OEM within one year of purchase must be incorporated in the upgraded system by the bidder.</p> <p>D. Existing HP server (Quantity 02 number) shall be discarded and call manager should be installed on virtual server.</p>
2.	<p>New LIM Media gateway for extension:</p> <p>A. A new LIM Media gateway to be installed at FR Location area. Detailed requirement of the Media Gateway is as mentioned in this document.</p> <p>B. Existing Telephone system and New LIM should work with 100% feature transparency. It means features available with the existing system shall also be available to the users connected with New LIM.</p> <p>C. Bidder should provide MDF junction box with MDF components for 300 lines with IPM protection for all lines.</p> <p>D. Bidder shall carryout cabling job from System to system MDF. However, field copper cabling, cabling to subscriber line, OFC Cable shall be provided by NIT. Bidder should consider required Data Switch / converters etc required to connect OFC cable with the offered system.</p> <p>E. Bidder should provide floor standing 19" rack mountable solution with required number of universal slots architecture for equipped & wired capacity for flexibility in putting in any type of circuit-pack/circuit-card.</p> <p>F. Should be equipped with 300 Analog Line from Day-1 . However, it should be capable of supporting 512 ports on the same gateway to meet any future expansion requirement in FR Area.</p> <p>G. It should have Duplicated ethernet port (10/100/1000 mbps) to support Network redundancy.</p> <p>H. It should be equipped with Local survivable server from Day-1, to ensure the LIM works as a standalone exchange in case of Network/Link failure.</p> <p>I. Analog extension connected to the LIM gateway shall be able to work for a distance of minimum 5 to 7 Kilometers for users located in a distance location.</p>

3.	<p>J. Analog Extension card of the Media Gateway should be inter-changeable with the main exchange.</p> <p>K. Bidder should provide required Power supply system for the gateway, with minimum 02 hours battery backup.</p> <p>Necessary system accessories:</p> <p>A. Communication earthing for the System.</p> <p>B. Call billing software should be provided to latest platform.</p>
4.	<p>Mitel IP/SIP Phone:</p> <p>A. Monochrome display Minimum 2.75 Inch, 128x48 Pixel graphical Display.</p> <p>B. Minimum 2 SIP Account, XML Capabilities.</p> <p>C. Dual 10/100 mbps ethernet port.</p> <p>D. Wide band Audio technology for high quality voice performance.</p> <p>E. Dedicated function keys including Transfer, Callers list, Hold, Redial, Volume keys, Mute</p> <p>F. Shall be supplied with Power adopter</p> <p>G. Minimum 3 programmable keys</p> <p>H. Full duplex quality speakerphone.</p> <p>I. Existing spare Analog extension Licences to be used to connect the IP Phone.</p> <p>J. Phones should be supplied with LAN cable for each phone.</p>
5.	<p>Comprehensive Annual Maintenance contract:</p> <p>A. After the upgradation, complete system (Existing and New LIM) to be covered with Comprehensive Annual Maintenance contract for a period of 03 years from the date of Installation.</p> <p>B. Presently running one DSLAM unit (HUAWEI, SmartAX MA 5600T) purchased in June, 2015 and guarantee expired in Feb, 2018 to be covered with Comprehensive Annual Maintenance contract for a period of 03 years.</p>

[Note: Firm may visit the existing telephone exchange and planned site for new LIM media gateway prior bidding.]

Other Qualification Criteria:

1. Bidder should have experience to carry out Maintenance services of Mitel EPABX System. Documentary evidence to be provided in this regard.
2. At Least five user names and contact from reputed organizations where same OEM equipments have been supplied and services provided by the organization. Scan copy of purchase order should be submitted with technical bid.
3. Bidder should have service center in India with appropriate spares.
4. The bidder must have a service center with spares in India with a service-level agreement (SLA) of 8 hours response time and 48 hours hardware replacement time. However, local maintenance center (provide the address of the maintenance center) if available, may be preferred depending on suitability.

5. Scanned copies of the technical brochure of the above equipment and accessories (**Annexure-I**) given in the quotation must be included in the technical bid.
6. Web references must be provided along with the technical bid.
7. Pointwise technical compliance along with any deviation of the mentioned specifications (**Annexure-I**) must be indicated along with technical documents.
8. Customized equipment and accessories (as per **Annexure-I**) will not be accepted. The standard equipment and accessories (as per **Annexure-I**) will only be accepted.
9. Make and model no. should be mentioned in the technical bid.

May contact:

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