

Cost of Tender Document INR 1000/- only.

Tender No.: IITDMJ/P&S/2017-18/RFILL/03

Total Number of Pages: 09

Dated: 14-06-2017

**TENDER DOCUMENT**  
**FOR**  
**RF INTERNET LEASE LINE (RFILL)**

**PDPM**

**Indian Institute of Information Technology, Design and Manufacturing,  
Jabalpur**

**Dumna Airport Road, P. O. Khamaria, Jabalpur-482005**

<b>Tender Reference Number</b>	IITDMJ/P&S/2017-18/RFILL/03
<b>Date of Pre-bid Meeting</b>	June 27, 2017 till 4:00 PM
<b>Last Date and Time for Receiving Tender</b>	July 04, 2017 till 3:30 PM
<b>Date and Time for Opening of Technical Bids</b>	July 04, 2017 till 4:00 PM
<b>Venue</b>	PDPM IITDM Jabalpur









**Tender for 100Mbps (1:1) RF Internet Leased Line (RFILL) for IIITDM Jabalpur**

On behalf of Indian Institute of Information Technology Design and Manufacturing Jabalpur (IIITDMJ) sealed tenders are invited by Registrar, IIITDMJ in 2 separate envelopes (Technical & Commercial bids) for the RF Internet Leased Line (RFILL) of fully dedicated, unshared & high quality 100 Mbps symmetric bandwidth without any compression factor (1 :1) on RF link. The bandwidth may be further upgradable to 200 Mbps on existing infrastructure.

**Scope of Work:**

The scope of work in the proposed tender includes providing Internet Leased Line of fully dedicated, unshared & High Quality 100 Mbps symmetric bandwidth without any compression factor (1:1) on RF link to IIITDMJ. The link should meeting the following requirements:

- The services shall be provided round the clock 24\*7 basis.
- It should be a direct single hop RF link from the service provider to IIITDMJ to provide seamless and reliable services.
- Least packet loss/latency < 200 ms universally.
- Service Level Agreement (SLA) should commit at least 99% service availability, including the last mile connectivity. The network uptime will be computed on (based on Packet drop at user end) monthly basis. Uptime shall be calculated as  $(\text{Total Time} - \text{Down Time}) \times 100 / \text{Total Time}$ .
- The institute will maintain an official logbook to monitor the services.
- The response time for attending the faults will be two hours (maximum) once complain is lodged. Penalty for downtime will apply as per the table:

Uptime on monthly basis	Penalty
≥ 99%	00% of monthly rental
≥ 90%	10% of monthly rental
≥ 80%	20% of monthly rental
≥ 70%	30% of monthly rental
≥ 60%	40% of monthly rental
≥ 50%	50% of monthly rental
< 50% (very poor)	100% of monthly rental

In case the service is very poor (<50%) for two consecutive months due to whatsoever reason the service contract will stand cancelled automatically and the institute will have no liability.

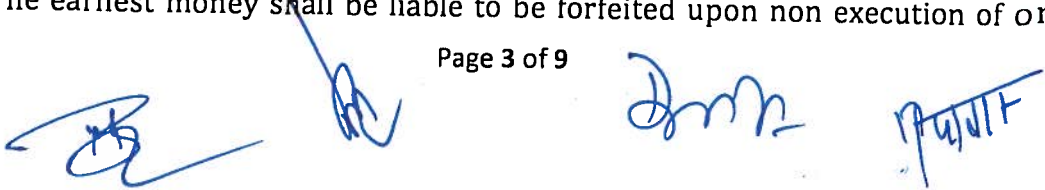
The scope of the work includes supply, installation and commissioning of related hardware and software for setting up Internet connection at IIITDM Jabalpur. The scope of work also includes configuration of all related hardware and software including any training to the

7/4/17

operation team of the institute, if required. The ISP shall accomplish any jobs, services that are not mentioned above but are required for completion of project, without any extra charges for completeness of the work under contract. Please note that the price quoted would include conveyance and any other incidental charges.

### General Terms & Conditions

- I. **Submission of Quotations:** The quotations should be submitted in the form of two bid system; each of which is to be submitted in separate envelopes. One envelope should contain "technical bid", i.e., technical specifications, terms and condition, terms of payment but not price and other envelope should contain commercial bid. Both the envelopes should be kept in another envelope which should be marked with Tender Enquiry No, reference number if any, and name of the service provider. Accepted technical bids will be considered further for placing Purchase Order.
- II. **Price:** Prices should be inclusive of all taxes and duties for IIITDM Jabalpur. In case of any deviation, taxes, duties should be clearly specified.
- III. **Installation:** Vendor will be responsible for the installation of the system at the Institute's site. All the instruments, accessories, tools & tackles; including appropriate manpower as required will be the sole responsibility of the vendor at his cost.
- IV. **Service facility:** Supplier should mention about the possible service set up in Jabalpur and their capability to provide the services after installation.
- V. **Service review reports & software:** The vendor shall provide web based interface capable of providing weekly, monthly & quarterly reports of the following at the server administrator level in IIITDM, Jabalpur
  - a. Bandwidth Utilization (in Mbps as well as in frames)
  - b. Errors (frames/sec)
  - c. Discards (frames/sec)
  - d. Non- unicast (frame/sec)
  - e. Bandwidth availability
  - f. Packet loss (in %)
  - g. Latency
- VI. **Earnest Money Deposit:**
  - 1) Each bid for this procurement must be accompanied by Earnest Money Deposit of Rs. 20000/- (Twenty Thousand only) in the form of Demand Draft of any Indian Nationalized Bank taken in the name of IIITDM Jabalpur payable at Jabalpur should be valid for a minimum period of 60 days from due date of the quotation. Quotations received without Earnest Money Deposit shall be rejected. It should be a part of Technical Bid.
  - 2) Earnest Money shall be forfeited and bid is liable to be rejected, if the bidder withdraws or amends or impairs or derogates from the tender in any respect within the period of validity of the tender.
  - 3) The earnest money of unsuccessful bidder shall normally be returned within fifteen days after the finalization of order.
  - 4) The earnest money shall be liable to be forfeited upon non execution of order in



time.

- 5) No interest will be payable by IIITDM Jabalpur on the EMD returned to the unsuccessful bidder.

The Director, IIITDM Jabalpur reserves the right to accept an offer in full or in parts or reject summarily or partly without assigning any reasons thereof.

The bidder must fulfill the following requirements for technical eligibility:-

- i. Proof of the DOT / TRAI certificate must be submitted with the technical bid.
- ii. Proprietary/partnership deed etc.
- iii. The bidder would ensure 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/WPC charges etc.
- iv. The bidder must be a Company registered under Indian Company Act, 1956 or Government/ Government PS U.
- v. The bidder must have 'Class A' ISP license and minimum 5 years of experience in the field of ISP with 'Class A' License.
- vi. The bidder must have minimum international capacity (from international gateway in India up to International Points of Presence) of at least STM16 & must be connected through at least two International gateway (trans-pacific & trans-atlantic) to provide redundancy and to protect against seismic induced disasters.
- vii. The bidder must have a minimum average turnover of Rs. 50 crores annually during the last three financial years consecutively for the telecom sector only. Attested & audited copies of the company's annual reports for the years 2013-14, 2014-15 and 2015-16 have to be attached along with the bid.
- viii. The bidder must have their own optical fiber ring backbone in Jabalpur for intercity data transport.
- ix. Bidder should have fully resilient and self-healing network architecture, on fiber medium, from the international gateway in India up to the International Points of Presence.
- x. The bidder must have completed at least two similar works in the last 3 years. Definition of similar work should be clearly defined in their technical bid. Copies of work orders for the work successfully executed during last three years should be attached with the technical bid.
- xi. Bidder should have an office within 25 km range from IIITDM Jabalpur.
- xii. Bidder should have a state of the art Network Management Center and Network Operation Center which operates on a 24\*7 basis. Bidder should have centralized trouble ticketing tool for call logging, monitoring and troubleshooting purpose.
- xiii. Bidder should have well defined capabilities and procedures to track call resolution progress status and provide the updates to the customer. In addition, ISP should have well defined management and technical escalation procedures.
- xiv. The Bidder should have well-equipped O&M Centre, staffed with experience personnel for Operations & Maintenance.
- xv. Stamped and signed copy of all the document pertaining to technical eligibility should be enclosed with the technical bid.
- xvi. Signed and stamped checklist attached at Annexure-C.

VII. All documents Compliance of terms with any deviation should be clearly indicated

with remarks in a separate "Deviation Sheet" in the technical bid.

- VIII.** Last Date for Submission of Tenders: 30<sup>th</sup> June, 2017 on or before 3:30 PM at the following address:

**PDPM IIITDM Jabalpur**

Dumna Airport Road, P O Khamaria, Jabalpur, M. P.  
Jabalpur-482005, India

- IX.** Installation should complete within 6 weeks (Maximum) from the issue date of work order, otherwise the bidder's EMD will be forfeited, the bidder will be blacklisted and will never be considered in future.

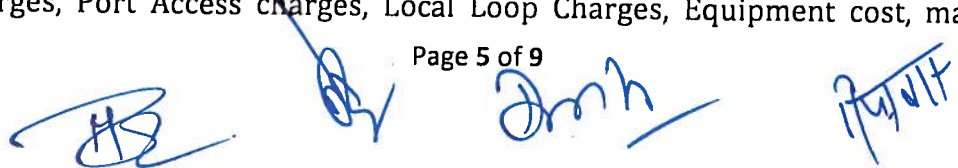
**X. Terms & Conditions for Technical Bid:**

1. The ISP is required to strictly follow the format enclosed as **Annexure - A** while submitting the technical bid and also note that no price should be mentioned in the technical bid.
2. The ISP in the technical quote should explicitly state the features offered by them for the Internet links highlighting service level terms such as uptime, reliability, latency period, Number of IPs offered, throughput, RTD, packet drop, scalability etc.
3. The ISP is also required to explicitly mention the equipments proposed to be supplied with the line from their end, the end terminal, and equipments required to be provided by us (IIITDM Jabalpur).
4. The ISP should also mention in the technical bid the optional items, which can be provided.
5. The technical bid should be supported by a brief proposal document clearly stating the strengths & weaknesses of the ISP along with highlighting their presence, infrastructure etc.
6. The ISP is also required to submit a copy of the Service Level Agreement (SLA) offered which clearly highlights the service level terms and conditions.
7. The technical bid needs to be duly signed and stamped by the authorized signatory of the company.
8. In case, the technical bid is not found compliant, the technical bid will be summarily rejected and IIITDM Jabalpur reserves the right to offer no explanation to the bidder.

**XI. Terms & Conditions for Commercial Bid:**

**Terms & Conditions** The commercial bid should be provided strictly in the format enclosed as Annexure- B.

1. The bidder is required to quote all prices strictly in Indian Rupees only.
2. The rates quoted should be applicable to educational institutions, and any cost advantage received in lieu thereof should be passed on to the Institute.
3. Any revision in pricing due to change in Govt. Policy should be passed to the Institute.
4. All taxes should be quoted category wise in the commercial bid. Please note that during commercial evaluation IIITDM Jabalpur will consider the total price inclusive of taxes. Pricing should be mentioned on yearly basis.
5. Prices for all optional items should be explicitly quoted.
6. The bid should clearly give a break up price of Registration charges, Installation charges, Port Access charges, Local Loop Charges, Equipment cost, maintenance

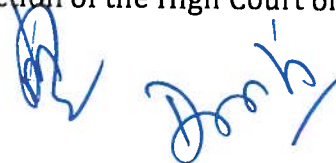


charges, Charges for additional IP addresses etc.

7. The bidder should clearly mention the payment terms & conditions for provision, installation, and maintenance of the line.
8. The commercial bid needs to be duly signed and stamped by the authorized signatory of the company.
9. In case the commercial bid is not found compliant, the technical bid will be summarily rejected and IIITDM, Jabalpur reserves the right to offer no explanation to the bidder.

## **XII. Terms & Conditions of P.O.:**

1. In the event of the order being placed to the ISP the provisioning, installation & commissioning and operationalization should be completed within 4 weeks from the date of the order otherwise the order stand cancelled and IIITDM Jabalpur reserves the right to withhold all payments and deposits.
2. If the qualified bidder will not deliver the required service in given time then the bidder will be blacklisted and will not be entertained in future.
3. The ISP is required to offer uninterrupted service for a period of two years from the date of the purchase order. However, services may be extended upto three years based on the satisfactory performance and price negotiation.
4. For uninterrupted service ISP should provide RF connection in Ring (Redundant) Network.
5. Opto isolation should be provided in RF device. In case of lightening, effect of lightening should not damage Institute devices of IIITDM Jabalpur.
6. Up time will be calculated on the basis of bandwidth delivery at our Ethernet drop.
7. In case of additional requirements for bandwidth during the contract period, the same may be negotiated with the bidder to which PO has been placed.
8. Service Level Agreement (SLA) will be signed based on the mutually agreeable terms and conditions.
9. In case of any breach in the service level agreement terms, IIITDM Jabalpur reserves the right to cancel the order and claim the extra amount if paid to the ISP. In case the ISP needs to terminate the agreement they are required to provide at least 60 day notice period to the Institute.
10. The Institute will not consider any plea of upward revision of price during the one year contract period . However in case of any change in statutory taxes the same will be on the Institutes account.
11. The ISP is also required to provide contact details (inclusive of address, telephone nos., email etc) of personnel from their end ~~who will act~~ as a single point of contact in case the Institute needs to contact the ISP for all issues pertaining to the operations and maintenance of the Internet line.
12. All disputes will be subjected to jurisdiction of the High Court of Jabalpur.



## Technical Bid Document for 100 Mbps (1:1) Internet Leased Line on RF

S. No.	Particulars	Details
1	Location where Services is to be provided (Last Mile)	PDPM IIITDM Jabalpur, Dumna Airport Road, Post : Khamaria, Jabalpur-482005
2.	Speed of the circuit	Dedicated 100 Mbps (1:1) Internet Leased Line on RF Link
3.	Minimum Contract period	Two Years
4.	Wireline /Wireless (To be mentioned)	Wireless Through RF
5.	Service Features	Redundancy in %
		Packet Loss/Drop in %
		Latency in ms
		Throughput
		RTD in ms
		Uptime/Availability in %
		SLA provided (Yes/ No)
		No of IP's Provided (Note : Minimum 30 IP's required)
6.	Equipment's provided by ISP for establishing connectivity owned by ISP (Make & model)	
7.	Any optional items/ services provided excluding the above mentioned items / services.	
8.	Time Required to operationalize the circuit	Within 4 weeks from the date of P.O.
9.	Single Point of Contact. Please provide the details	
10.	Period of notice required to terminate the contract from either end	60 days
11.	Brief Synopsis of ISP highlighting their presence, infrastructure etc.	
12.	Any other additional details.	

Annexure - B

Commercial Bid Document for 100 Mbps (1:1) Internet Leased Line on RF

S. No.	Description	Amount In Rs.
	Yearly Rate (100 Mbps)	
1.	Registration Charges	
2.	Installation Charges	
3.	Tariff Charges	
4.	Applicable Taxes @	
5.	Any Additional Charge ( To be detailed)	
	<b>Grand Total (*)</b>	

\*Will be the criteria for finalizing L1

*[Handwritten signatures in blue ink]*



## Check List of the documents to be submitted for Technical Suitability.

(Please tick in the appropriate column)

S. No.	Item	Complied	Not Complied
1	Copy of DOT/ TRAI certificate		
2	Local loop provisioning are not violating 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/WPC charges etc supporting documents attached.		
3	Company registered under Indian Company Act, 1956 or Government / Government PSU relevant document attached		
4	'Class A' ISP license and minimum 5 years of experience in the field of ISP with 'Class A' License.		
5	Minimum international capacity (from international gateway in India up to International Points of Presence) of at least STM16 & connected through at least two International gateway (trans-pacific & trans- atlantic) to provide redundancy and to protect against seismic induced disasters.		
6	Minimum average turnover of Rs. 50 crores annually during the last three financial years consecutively for the telecom sector only. Attested & audited copies of the company's annual reports for the years 2013-14, 2014-15 and 2015-16 have to be attached along with the bid.		
7	Own optical fiber ring backbone in Jabalpur for intercity data transport		
8	Having fully resilient and self-healing network architecture, on fiber medium, from the international gateway in India up to the International Points of Presence.		
9	Completed at least two similar works. Definition of similar work should be clearly defined in their technical bid. Copies of work orders for the work successfully executed during last three years should be attached with the technical bid.		
10	Having an office within 25 km range from IITDM, Jabalpur		
	Having a state of the art Network Management Center and Network Operation Center which operates on a 24*7 basis. Bidder should have centralized trouble ticketing tool for call logging, monitoring and troubleshooting purpose.		
11	Having well defined capabilities and procedures to track call resolution progress status and provide the updates to the customer. In addition, ISP should have well defined management and technical escalation procedures.		
12			
13	Having well-equipped O & M centers staffed with experience personnel for Operations & Maintenance.		

