TENDER DOCUMENT

Tender Notice no. IIT/CIC/NET/GPON/EMS/21-22/05  Dated: 27/05/2021

FOR

Procurement of Server Hardware for Element Management System of existing GPON Equipment

OF

COMPUTER & INFORMATICS CENTRE

IIT Kharagpur

INDIAN INSTITUTE OF TECHNOLOGY Kharagpur
Kharagpur – 721302
WEST BENGAL
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Sub: Procurement of Server Hardware for Element Management System of existing GPON Equipment

Ref: Tender Notice No.: IIT/CIC NET/GPON/EMS/21-22/05 Dated: 27/05/2021

Indian Institute of Technology Kharagpur, an Institute of Eminence, invites sealed bids from all Indian Manufacturers/Service providers or their authorized bidders, having registered office in India, having adequate credential for supplying, installing and maintaining similar product in IITs or similar Autonomous Institutions /Universities, Government /Public Sector Undertakings, etc., for the supply of Two Rackmount Servers with Installation charges of hardware, OS and Application Software (Alphion Element Management System Software) with five years comprehensive onsite OEM warranty at IIT Kharagpur.

Interested vendors are requested to send their sealed bids under a two cover system as per requirement mentioned in tender document, along with the Technical Specifications & Compliance Certificate and the quantity as specified in tender document.

Details are also mentioned in the Institute website www.iitkgp.ac.in [link: tenders].

The proposal has to be sent in a sealed packet, containing two separate sealed envelopes (Technical Bid and Price Bid) duly superscripted with Reference Number (Tender Notice No. IIT/CIC NET/GPON/EMS/21-22/05 Dated: 27/05/2021), to the Office of the Head, Computer & Informatics Centre, Indian Institute of Technology, Kharagpur, P.O.: Kharagpur Technology, PIN: 721 302 on or before 25th June 2021 at 3:00 pm.

The technical bids (should also contain detailed un-priced bill of material mentioning the make, part nos. of individual part items and quantities based on Annexure-1 and specifications specified in Annexure 2) which will be opened on 25th June 2021 at 3:30 pm. in the presence of the bidders and their authorized representatives and price bids will be opened (to be notified separately), only of those firms, who will be found technically qualified/shortlisted, after evaluation of their technical bids.

Head
Computer & Informatics Centre

Copy to:

1. Institute website
2. CPPP
PROCUREMENT OF SERVER HARDWARE FOR ELEMENT MANAGEMENT SYSTEM OF EXISTING GPON EQUIPMENT

Introduction

Quadruple Play Network (QPN) of IIT Kharagpur Campus is operational over Gigabit Passive Optical Network (GPON) technology. This network is extended to the residential quarters and few academic buildings of the Institute. Presently IIT Kharagpur plans to replace the existing two numbers of old EMS server hardware by procuring two new servers to run EMS software of Alphion make GPON devices.

1. Scope of Work:


   II. All necessary hardware, software, cables and other accessories required for installation must be supplied by the bidder and their cost must be included in the tender.

   III. All components must have 5 years comprehensive onsite OEM warranty.

   IV. Both the bidder and the OEM will be responsible for providing support to the system during the warranty period. IIT Kharagpur must be able to contact both the bidder and the OEM for service during the entire warranty period.

2. Pre-Qualification Criteria of OEM and Bidder:

   I. OEMs and their system integrator must have registered sales and support office in India.

   II. OEMs and their system integrator must be in operation in the Indian market for at least 10 years for delivery and installation of Servers, OS and existing Application Software.

   III. OEMs must have spare depot in India for the items mentioned in this tender.

   IV. OEMs and their system integrator must have at least 5 successful installations of servers in Eastern India in the last 3 years.

   V. The bidder must be ISO certified.

   VI. The bidder must be Original Equipment Manufacturer (OEM) or authorized distributor of the OEMs for servers. The authorization letter issued by the OEM (specifically against this tender) should be enclosed in original.

   VII. Bidder must be a profit-making entity for the last 3 years, with an annual turnover of at least Rs. 1 Crore in each of the last 3 years (audited statements to be provided).
VIII. Bidder must have sales and support service centers in India (Details to be provided).

IX. Bidder must have at least 3 installations of servers of value at least 10 Lakhs each in Eastern India in the last 3 years (copy of PO/successful installation certificate showing details of servers supplied to be enclosed)

X. Only “Class-I local supplier “and “class-II local suppliers” are eligible to participate in this bid as per latest revision of “public procurement (preference to Make in India) order 2017” . A self-certification from the bidder by mentioning their category and complying the same as per latest “public procurement (preference to Make in India) order 2017 “must be submitted.

3. General Terms & Conditions:

I. Last Date of Submission of Sealed Bids: 25th June 2021 by 3:00 pm (in the Office Head, Computer & Informatics Centre, Institute of Technology, Kharagpur)

II. Date of opening of the Technical Bids 25th June 2021 at 3:30 pm (in the Office Head, Computer & Informatics Centre, Institute of Technology, Kharagpur).

III. Vendors should submit two-part bid, Technical and Commercial bid in separate sealed envelopes duly marked. The technical bid should have a copy of commercial bid with prices masked. Quotation for items to be supplied or service to be carried out must be given in Indian Rupees (INR). Supplied items with installation in the Tender will be under warranty of five years (05 years).

IV. Payment Terms: 90% (value of the purchase order) payment will be made after delivery and successful installation of the servers. Balance 10% of the payment will be made on submission of Bank Guarantee of 10% of the total purchase value valid for a period of five years plus three months.

V. Price: The price shall be quoted with cost break-up indicating the applicable prices for each component. Excise Duty Exemption/Custom Duty Exemption Certificate will be issued only in favor of the bidder and address as mentioned in the Purchase Order. Price must be quoted in Indian Rupees (INR) only for delivery and installation at IIT Kharagpur.

VI. Tender Fee: An amount of Rs. 10,000.00 (Rupees ten thousand only) inclusive of GST as tender fee (non-refundable) has to be paid. The payment shall be made by Demand Draft from any Bank in favor of “Indian Institute of Technology Kharagpur”, payable at “Kharagpur”. The quotation will not be accepted without the Tender Fee. Tender fee should be enclosed separately in an envelope and stapled with the Technical Bid.

NOTE: IIT Kharagpur will give exemption for submission of tender fee who are registered with MSME or Central Purchase Organization or startups as recognized by DIPP as per revised rule 170 of GFR -2017 only. However proper and valid document in this regard must be submitted by the bidders in support of their claim.

VII. Bid Security Declaration: No EMD shall be deposited; however the bidder should submit the Bid Security Declaration as per Annexure – 3 with the Technical bid, without which the
bid shall be straightway rejected. If a successful bidder fails to act on the offer made by the Institute and/or the bidder withdraws/amends his bids after opening of the tender, the bidder shall be suspended from being eligible for bidding in any contract with IIT Kharagpur for a period equal to the duration of the contract for tender related to ‘Services’ and/or 01 to 03 years in case of ‘Procurement of Goods’ from the date of notification of the Tender document.

VIII. Conditional Offer will not be accepted.

IX. Period of Validity: Bids shall remain valid for acceptance for a period of 120 days from the date of opening of the price bid but any benefit for downward revision of prices should be extended to the IIT Authority.

X. Past Performance of the Vendors will be judged at the time of Technical evaluation.

XI. Complete delivery of the material has to be accomplished within eight weeks of receipt of the purchase order, failing which Liquidation Damage (LD) will be imposed as per Institute purchase rules.

XII. Complete installation, configuration and commissioning of the material has to be accomplished within ten weeks of receipt of the purchase order, failing which Liquidation Damage (LD) will be imposed as per Institute purchase rules.

XIII. Technical bid must also contain Compliance Certificate against each item in the detailed technical specification duly signed by the bidder, and Compliance to General Terms and Conditions.

XIV. L1 bidder will be decided based on the grand total of prices of all items mentioned in the tender.

XV. The vendor should provide comprehensive onsite OEM warranty for FIVE YEARS from the date of successful installation on all supplied items.

XVI. Replacement of defective equipment and shipment of the same should be the responsibility of the selected vendor without any financial commitment from IIT Kharagpur. The same has to complete within ten working days.

XVII. Technical bid (should also contain the detailed un-priced bill of material) and price bid should be sealed and quoted separately. The technical bid will be evaluated first for technical suitability. Only technically qualified bids would be considered for price comparison. Price bid should be quoted in the given format (Annexure-1) indicating the tax components. In case of ambiguity between total price quoted and that calculated from unit price for each line item, unit price will be taken as final.

XVIII. The authorization letter issued by the OEM (specifically against this tender) should be enclosed in original (if OEM is not the bidder).

XIX. The technical bid should contain the technical solution as per the requirement specified in the technical specification. Bill of Materials should mention model number indicating relevant part numbers for each component.
XX. The capabilities, operating characteristics and other technical details of the hardware and software offered should be furnished together with product brochures, literature, etc. in the technical bid. The bidder should ensure that the software versions being quoted if any are latest.

XXI. Technical bid should contain all relevant technical details; printed technical leaflet of models quoted and other details, which may be necessary to ensure that offer is complete in all, respect e.g. technical specification, delivery period, guarantee period, validity, etc.

XXII. Technical bid should also contain a signed “compliance certificate” showing compliance against each item in the technical specifications for each server, duly counter signed by the bidder.

XXIII. Validity of licenses: Software’s licensing price or policy (if any) shall be clearly mentioned. All licenses should be perpetual.

XXIV. Late Tenders: - Tender received after the due date and time of submission as mentioned below shall not be accepted.

XXV. At least one Customer satisfaction certificates from any organization is to be attached with the technical bid.

XXVI. The person attending the bid opening meeting should have adequate authorization from the Company.

XXVII. Bid once submitted shall be the property of IIT Kharagpur and shall not be returned to the vendor at any time.

XXVIII. A bid submitted with false information will not only be rejected but the vendor may also be debarred from participation in future tendering process.

XXIX. Canvassing in any form not only invites disqualification in this tender but may also result in debarring the vendor from participation in the future tendering process

XXX. Bidders should also enclose the following documents in the technical bid as proof of their credential:

- Tender fee
- Bid Security declaration
- Certificate of Registration
- Income Tax Certificate of last three years, PAN Number and GST Number.
- Banker’s Solvency Certificate.
- Summary of Audited Statement of Accounts for the last three years.
- Three order copies for supply and install of Rackmount Servers as specified in Pre-Qualification Criteria. PO Copies/Customer satisfaction certificate is to be attached with the technical bid.
- Manufacturers (OEMs) letter of authorizations for all equipments.
- Copy of ISO Certifications.
- Signed Tender document as a token of acceptance for the Terms & Conditions specified in various sections of the Tender Document
- Deliverables by the vendor in details
- Details of Escalation Matrix and call handling procedure.
4. Acceptance of Tender

I. The Institute does not bind itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the evaluation.

II. The Institute does not bind itself to accept the lowest tender and reserves the right to reject any or the entire tender received without assigning any reason thereof.

III. The bids (technical and price bids) once submitted shall be the property of the Institute and shall not be returned to the vendor in future.

IV. A bid submitted with false information will not only be rejected but the vendor may also be debarred from participation in future tendering processes.

V. Canvassing in any form not only invites disqualification in this tender but also debar the vendor participation in the future tendering processes.

VI. The person/officer signing the tender/bid documents should be delegated with an appropriate Power of Attorney (essentially endorsed by a Notary Public) by the Chief Executive Office/MD of the Company, to sign such documents.

VII. Opening of Price Bids: The Price Bid(s) of only those vendor(s) who are found technically qualified will be opened. The date and time will be informed separately.

VIII. Authorized representative (with proper authorization letter to attend opening of technical bids and also for opening of price bids) may choose to be present at the time of opening of Technical Bids/Price Bids.

IX. Director may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The Institute at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before placing the Purchase Order. In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.

X. This Tender Document and the Contract shall be governed by and interpreted in accordance with Laws in force in India. The Courts at Midnapur shall have exclusive jurisdiction in all matters arising under the contract.

For any query pertaining to this tender, correspondence may be addressed to:

Head,
Computer and Informatics Centre,
Indian Institute of Technology,
Kharagpur, 721302
Email: head@cc.iitkgp.ac.in

In case the due date for submission and/or opening of the tender happens to be a holiday, the same will be accepted on the next working day. The timings will however remain unchanged. Please Note that the Institute remains closed during Saturdays & Sundays.
### Annexure-1

**Price bid format of Rack Mount Servers**

Ref: IIT/CIC/NET/GPON/EMS/21-22/05  
Dated: 27/05/2021

<table>
<thead>
<tr>
<th>S/N</th>
<th>Description</th>
<th>Specification</th>
<th>Qty. (no.)</th>
<th>Unit price (Rs.) with 5 years warranty</th>
<th>Tax (Rs.)</th>
<th>Total price (Rs.) with 5 year warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Supply of Rack Mount Server</td>
<td>As per Annexure-2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Installation charges of server hardware, OS, Wildfly 8.2, MySQL standard edition or Postgres freeware, JDK 1.8.202 and Application Software (Alphion Element Management System Software)</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total cost with taxes including 5 years onsite warranty**
Annexure-2
TECHNICAL SPECIFICATION

Ref: IIT/CIC/NET/GPON/EMS/21-22/05      Dated: 27/05/2021

RACKMOUNT SERVER

<table>
<thead>
<tr>
<th>Components</th>
<th>Required Specs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Intel Xeon-Silver 4208 (2.1GHz) Processor or Higher.</td>
</tr>
<tr>
<td>Cores per processor</td>
<td>8C/16T or higher</td>
</tr>
<tr>
<td>L3 Cache</td>
<td>11 MB or Higher</td>
</tr>
<tr>
<td>DIMM slots</td>
<td>16 or higher</td>
</tr>
<tr>
<td>Memory</td>
<td>16 GB DIMMS</td>
</tr>
<tr>
<td>Hard Disk Drives</td>
<td>1 TB 7.2K RPM SATA 6Gbps Hot-plug Hard Drive</td>
</tr>
<tr>
<td>RAID Controller</td>
<td>RAID Controller with 2GB NV Cache</td>
</tr>
<tr>
<td>I/O Slots</td>
<td>At least 2 PCIe slots</td>
</tr>
<tr>
<td>Network Interface</td>
<td>2x1Gbps Ethernet ports.</td>
</tr>
<tr>
<td>Form Factor</td>
<td>Rack</td>
</tr>
<tr>
<td>Power supply</td>
<td>Redundant hot swap power supply(1+1) 550W or higher</td>
</tr>
<tr>
<td>Fans</td>
<td>Redundant hot-swap fans</td>
</tr>
<tr>
<td>Security</td>
<td>Silicon-based hardware root of trust, Cryptographically signed firmware update, System lockdown against threats, Protection against compromised firmware execution, automatic secure BIOS &amp; OS recovery. These should be detailed in OEM's publicly available web site.</td>
</tr>
<tr>
<td>Certification and Operating system support</td>
<td>Must be compatible with latest versions of CentOS, Red Hat Enterprise Linux, Windows Server.</td>
</tr>
<tr>
<td>Server Management</td>
<td>Must provide server management software to remote monitoring and Management of server. Software must be from the same OEM.</td>
</tr>
<tr>
<td>Warranty &amp; Service</td>
<td>5 years comprehensive on-site OEM warranty. The OEM should have its Service Centre in the Eastern part of India.</td>
</tr>
</tbody>
</table>
ANNEXURE- 3

BID SECURITY DECLARATION

1. I, -----------------------------Son /Daughter of Shri --------------------------------------
Proprietor/Partner/CEO/MD/Director/Authorized Signatory of M/s. ----
------------------------------------------------------------------------am competent to sign this Bid Security
Declaration and execute this tender document and hereby declare that;

2. I understand that, according to your conditions, bid must be supported by a Bid Securing
Declaration.

3. I accept that I will automatically be suspended from being eligible for bidding in any
contract with IIT Kharagpur for a period equal to the duration of the contract for tender
related to ‘Services’ and/or 01 to 03 years in case of ‘Procurement of Goods’ from the date
of notification, if I am in a breach of any obligation(s) under the bid conditions, because I;

   a. have withdrawn/modified/amended, impairs or derogates from the tender during the
   period of bid validity specified in the bid document, or

   b. having been notified of the acceptance of our Bid by IIT Kharagpur during the
   period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or
   refuse to furnish the Performance Security, in accordance with the General terms
   and conditions & Instructions to Bidders.

4. I understand this Bid Securing Declaration shall cease to be valid if I am not the successful
Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful
Bidder; or (ii) 45 (forty-five) days after the expiry of the validity of my Bid.

Signature of the Authorized Person

Date: -----------------------------

Full Name: -----------------------------

Place: -----------------------------

Company Seal: -----------------------------

ANNEXURE - 4

DECLARATION

1. I, ________________________________Son /Daughter of Shri ________________ ________________
Proprietor/Partner/CEO/MD/Director/Authorized Signatory of M/s. ________________
I am competent to sign this declaration and execute this tender document.

2. Tender ref no: ________________________________ dt:______________. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.

3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.

4. I/we am/are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

5. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.

6. I/we hereby confirm and declare that I/we am/are not blacklisted /De-registered / debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services.

Signature of the Authorized Person

Date: __________________________

Full Name: __________________________

Place: __________________________

Company Seal: ___________
Checklist for Enclosures
(Bidder should fill up YES or NO and page no. without fail)

<table>
<thead>
<tr>
<th>SN</th>
<th>Bid Enclosures</th>
<th>Yes/ No</th>
<th>Pg. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Bid (Envelope – A) contains the following documents</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Registration Certificate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PAN and GST Certificates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Status of the Tenderer (attach documents, if registered company/ partnership /propriety ship)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Manufacturer (OEM certificate) or Service Provider /Dealer (Authorization and OEM certificate from Manufactures )</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Details of key top official/authorized official with e –mail id and contact number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Income Tax Returns of latest last three years</td>
<td></td>
<td></td>
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<tr>
<td>7</td>
<td>List and address of clients where <strong>one similar contracts are executed</strong> (attach PO copies and satisfactory certificates from the users).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>ISO Certification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Technical Compliance Statement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Tender Fee (should be kept in one envelop cover and place technical bid)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Bid Security Declaration as per <strong>Annexure - 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Declaration as per <strong>Annexure - 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial Bid (Envelope – B)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Price Bid (As per the format given at <strong>Annexure – 1</strong>)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: All pages of the bid documents must be serially numbered and signed.