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Request for Quotation

1. Overview

As part of the MeitY funded India Open source for Mobile Communication Networks project the procurement is being done for setting up the lab infrastructure. We seek quotations from qualified vendors for the procurement of server systems to support the development and testing of Radio Access Network (RAN) infrastructure. The selected server systems will be utilized for testing, simulation, and development purposes in our telecommunications research and development initiatives.

2. RFQ details

RFQ Number: FSID/IOSMCN/01
RFQ Issue Date: 15th February 2024
RFQ Deadline: 21st February 2024
Delivery Date: 15th April 2024
Delivery Location: IISc, Bangalore
Contact Person: Rajini B (+91 9845603978)

3. Scope of work

Provide server systems configured to meet the specifications outlined below, including all necessary hardware, software, and peripherals required for development and testing activities. The delivery should also include transceivers, optical cables, power cords and appropriate ethernet cables which facilitate the development and testing activities. Ensure compatibility with virtualization platforms, software-defined networking (SDN), and network function virtualization (NFV) frameworks commonly used in RAN development environments.

Deliver server systems that offer scalability, reliability, and performance to accommodate future expansion and evolving project requirements. Include warranty, technical support, and maintenance services to ensure the continued operation and reliability of the server systems.

4. Technical requirements

Mentioned below are the server specifications that are must for the quote to be sent for development of RAN system.

Server Component	
CPU	Intel® Xeon® Gold 6544Y @3.6GHz 32-Core (or) Intel® Xeon® Gold 6354 @ 3GHz 36-Core
Memory	128 GB DDR5 memory
Storage	6 TiB HDD storage RAID 1
Storage	2 TiB SSD storage RAID 1
PCIe Slot	4 x PCIe Gen4 x16
USB Port	1 x USB 2.0, 1 x USB 3.0
USB Port	1 x Remote Management Ethernet
Network adapter	Intel E810 XXV DA4T
Operating System Support	Ubuntu Server
Remote management	IPMI 2.0
Networking contingency	2x SFP Transceivers, 1x optical cables and 1x Cat 6 ethernet cable
Formfactor	1U server
Contingency Requirements (as appropriate)	
Fans, Rack, transceivers, optical cables, power supply and appropriate ethernet cables which facilitate the development and testing activities, keyboard, mouse, 24" monitor etc.	
Technical Support for issues	
Major issues	Within 24 hours
Others	Within 3 days

5. Quantity of requirements

The hardware specified in the mentioned specifications, along with all contingency requirements, is required in the quantity of **9 (Nine)** units. Vendors are requested to provide quotations that include the following:

Per Unit Price: Please specify the price per unit of the hardware, inclusive of all specified components and features, as well as any additional contingency provisions.

Total Quantity Price: Calculate the total price for the specified quantity of units, incorporating all contingency requirements.

6. Submission requirements

The quotation should be submitted in the form of 2 separate documents as specified below:

1. **TECHNICAL EVALUATION DOCUMENT:** This should contain the following:
 - a. A checklist indicating compliance with or deviation from the above technical requirements.
 - b. Technical datasheet of the Server which includes all or subset of the requirements specified in the technical requirements.
 - c. Certifications and compliance documentation if any should be included with the quotation.
2. **COMMERCIAL BID DOCUMENT:**
 - a. Quotations should include detailed pricing, including unit prices, taxes, shipping costs, and any additional fees.

- b. Provide information on warranty terms, technical support services, and maintenance agreements.
- c. Include company profile, relevant experience, and references from past projects.
- d. Quote for the product must be enclosed in a password protected PDF file format.
- e. Quotations must be addressed to

**Director,
Foundation for Science Innovation and Development
Innovation Centre, IISc Campus Near Maramma Circle gate
Bengaluru 560012 GSTIN: 29AAECF1802E1Z1**

IMPORTANT: Vendors must submit their quotations no later than the specified deadline.

7. Evaluation criteria

The evaluation criteria include for considering the quote and awarding with the purchase order includes,

- Compliance with RFQ requirements and specifications.
- Price competitiveness.
- Vendor experience, and track record.
- Warranty and support offerings.
- Technical capabilities and compatibility with existing infrastructure.

8. Important Notes

- The lowest-priced quotation may not necessarily be selected; quality, reliability, and vendor reputation will also be considered.
- IOS MCN reserves the right to reject any or all quotations and to award the purchase order on its own evaluation criteria.
- Any clarifications or questions regarding this RFQ should be directed to the contact person listed above.