

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032

Tender No. : IACS/CCRES/INST/MAIL-SERVER/2020-21/64 Date: 13.08.2021

Sealed tender in two bids system (technical bid and price bid) is invited from bonafide, resourceful and eligible manufacturer/exclusive distributor/vendors for "Emergent request for supply and installation of **Servers for Mail Server solution**".

Part-I (Technical Bid) of the tender should contain technical specifications in detail as well as commercial terms and conditions. Part-II (Price Bid) should clearly indicate group-wise price, if needed, as mentioned in the technical bid. The Technical Bid and Price Bid are to be submitted in separately sealed envelopes, distinctly marked accordingly and both to be put inside another envelope, that should be sealed and superscribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads.

Completed tender bids should reach to the dispatch section on or before the scheduled date and time specified below:

Tender Notice No.	IACS/CCRES/INST/MAIL-SERVER/2020-21/64 Date: 13.08.2021
Last date and time of submitting tender	23.08.2021 at 2:00 P.M. at Dispatch Section
Pre-bid meeting to discuss technical specification	19.08.2021 at 3.00 P.M. at CCRES Office
Date and time of opening tender (Technical Specification)	23.08.2021 at 3.00 P.M. at CCRES Office
Date and Time of opening Price Bid	23.08.2021 after evaluation of technical spec. at CCRES Office .
Contact Details	Email: admap@iacs.res.in, Tel: +91-33-2473 4971 (extn.: 1176)

Venue for all meeting	CCRES Office
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The technical bids will be opened first to judge/evaluate the technical specifications of the said server and thereafter the price bids of only technically qualified bidders will be opened. Please note that IACS will not provide any accommodation or reimburse any expenses to any of the bidders for attending opening of technical bid.

Quotations received incomplete or beyond the stipulated time will be rejected.

Bidders should submit their past experience for supplying and successful installation of similar units to other research Institutes/Universities/other organizations in India and abroad. Please provide documentary proofs of such successful installation and supportive documents that the instruments are running successfully.

1. TECHNICAL BID

The technical bid should contain technical specifications and should be kept in a separate sealed envelope duly super scribed as 'TECHNICAL BID' on the outer cover of the envelope. It should be clearly mentioned on the envelope as "Emergent request of **Servers for Mail Server solution**"

Technical Specification:

Detailed Technical Specifications acceptable for the **SERVERS** is as follows:

SERVERS WITH LOAD BALANCER AND SAN STORAGE

Servers for Mail server: Qty 2

1	Form Factor/Height	2U rack server
2	Processors	2 nos. second-generation Intel® Xeon® Gold processors, up to 205W; with Processor base frequency of 2.1 GHz and Max Turbo frequency of 3.7 GHz, with 16 cores and with 22 MB L3 Cache.
3	Memory	Populated with 256 GB : Scalable upto 2 TB. Having 24x DIMM slots using 128GB DIMMs and Intel® Optane™ DC Persistent Memory; 2666MHz / 2933MHz TruDDR4
4	Expansion Slots	Up to 7x PCIe 3.0 via multiple riser options, including 1x dedicated PCIe slot for RAID adapter
5	Hard Disks	minimum 3 nos. of hard disk with min. capacity of 5 TB
6	Drive Bays	Scalable up to 24. 2.5" hot-swap bays
7	HBA/RAID Support	HW RAID (up to 24 ports) with flash cache; up to 16-port HBAs
8	Security and Availability Features	TPM 1.2/2.0; PFA; hot-swap/redundant drives, fans, and PSUs; 45°C continuous operation; light path diagnostic LEDs; front-access diagnostics via dedicated USB port
9	Network Interface	2/4-port 1GbE LOM; 2/4-port 10GbE LOM (Base-T or SFP+); 1x dedicated 1GbE management port
10	Power (Energy Star 2.0 compliant)	2x hot swap/redundant: 550W/750W/1100W/1600W 80 PLUS Platinum; or 750W 80 PLUS Titanium; or -48V DC 80 PLUS Platinum
11	Systems Management	Controller embedded management, Administrator centralized infrastructure delivery, Integrator plugins, and Energy Manager centralized server power management
12	OS to be provided	Microsoft Windows Server Data centre Academic version
13	Mail server software	Microsoft Exchange server
14	Limited Warranty	3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

1 server for Active Directory

1	Form Factor/Height	2U rack server
2	Processors	2 nos. second-generation Intel® Xeon® Gold processors, up to 205W; with Processor base frequency of 2.1 GHz and Max Turbo frequency of 3.7 GHz, with 16 cores and with 22 MB L3 Cache.
3	Memory	Populated with 128 GB : Scalable upto 2 TB. Having 24x DIMM slots using 128GB DIMMs and Intel® Optane™ DC Persistent Memory; 2666MHz / 2933MHz TruDDR4
4	Expansion Slots	Up to 7x PCIe 3.0 via multiple riser options, including 1x dedicated PCIe slot for RAID adapter
5	Hard Disks	5 TB
6	Drive Bays	Scalable up to 24. 2.5" hot-swap bays
7	HBA/RAID Support	HW RAID (up to 24 ports) with flash cache; up to 16-port HBAs
8	Security and Availability Features	TPM 1.2/2.0; PFA; hot-swap/redundant drives, fans, and PSUs; 45°C continuous operation; light path diagnostic LEDs; front-access diagnostics via dedicated USB port
9	Network Interface	2/4-port 1GbE LOM; 2/4-port 10GbE LOM (Base-T or SFP+); 1x dedicated 1GbE management port
10	Power (Energy Star 2.0 compliant)	2x hot swap/redundant: 550W/750W/1100W/1600W 80 PLUS Platinum; or 750W 80 PLUS Titanium; or -48V DC 80 PLUS Platinum
11	Systems Management	Controller embedded management, Administrator centralized infrastructure delivery, Integrator plugins, and Energy Manager centralized server power management
12	OS to be provided	Microsoft Windows Server Datacentre Edition Academic version
13	Limited Warranty	3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

1 Email security Gateway

1	Message capacity	Upto 100,000 per hour
2	Hard drive	500 GB or more
3	Size	1 U rack mountable
4	Other features supported	Protection against malicious URLs, wizard based DLP rules, Policy based encryptions, Spam filtering

5	Limited Warranty	3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades
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1 Load Balancer

1	Ports	Upto 6 External and internal Ports
2	Full-line rate performance and latency	480 Gbps and 1.60 microseconds latency
3	High availability	Server failure detection and recovery; Switch failure detection and failover to standby switch
4	Policy-based traffic steering and routing	Configurable rules to match on Layer 2 - 4 packet header fields and redirect packets to an outgoing port,
5	Limited Warranty	3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

1 External Storage

1	HDD	96 TB to be supplied, with capability to grow at least 5 times
2	Full-line rate performance and latency	24 SFF hot-swap drive bays; up to 8x E1024 enclosures can be daisy chained on a supported RAID adapter for a total of up to 192 SFF drives
3	Drive Technology	SAS and NL SAS HDDs and SEDs; eMLC SAS SSDs. Intermix of HDDs, SEDs, and SSDs is supported within an enclosure
4	RAID controllers and HBAs	To be supplied with the RAID adapters and HBAs
5	Limited Warranty	3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

Software licenses

1	Exchange Server	2 X Licenses with Academic edition prices with three years software assurance
2	Exchange CALS	1000 X Licenses with Academic edition prices with three years software assurance

Passive Components: If any passive component is needed in this mail server solution installation process, vendor should supply the same as part of the same bill of materials.

Service Facility: Supplier should mention the details of their service setup and man powers in India, preferably Kolkata.

2. PRICE BID

The financial bid indicating (item wise) the price (including the warranty) for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly superscribed as 'PRICE BID' on the outer cover. Price bids of only technically qualified bidders will be opened. Rest of the bidders will stand rejected.

2.1 PRICE DETAILS: Price to be quoted as per the following format. Price of the equipment to be quoted in INR only.

Sl. No	Item	Quantity	Make	Model	HSN/SAC Code	Base price in Rs.	Total Price in Rs. (without GST)	GST @	GST Value in Rs.	Total price with GST in Rs.
1	Mail server	2								
2	server for Active Directory	1								
3	Email security Gateway	1								
4	Load Balancer	1								
5	External Storage	1								
6	Software licenses for exchange server	1								
7	Software licenses for Exchange CALS	1								

3. BID SECURITY: (Declaration vide order no. F.9/4/2020-PPD dtd. November 12, 2020)

a. An Account payee Demand Draft/Pay Order of Nationalized Bank/BG (Bank Guarantee) for Rs. 1,00,000.00/- (Rupees one lakhs only) drawn in favour of "Indian Association for the Cultivation of Science (State Bank of India, Jadavpur University Branch, A/C No. 11079699211,

IFSC: SBIN000093, MICR Code: 700002048)" is to be furnished by the bidders except those who are registered with the Central Purchase Organizations, National Small Industries Corporation or the concerned Ministry or Department, as Bid Security money or Earnest Money Deposit (EMD). Bid Security money or Earnest Money Deposit (EMD) may be deposited in Bank Guarantee or any other acceptable form.

b. The Bid-Security should have at least 90 (ninety) days validity from the last date of submission of the bid.

c. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

4. PERFORMANCE SECURITY:

An Account Payee Demand Draft/Pay Order/BG of 3% of the order value in the name of "Indian Association for the Cultivation of Science" is to be furnished by the successful bidder as Performance security. Performance security should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. The Bid security or EMD would be refunded to successful bidder on receipt of the Performance security.

GENERAL INSTRUCTIONS

1. Validity of tender: Tender submitted should remain valid for at least six months from the date of opening the tender. Validity beyond six months from the date of opening of the tender shall be lapsed by mutual consent.

2. Incomplete and conditional tenders as well as tenders received after the due date will be summarily rejected without assigning any reasons thereof.

3. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the institute website. Prospective bidders are advised to occasionally visit the website (www.iacs.res.in/tender) for any amendment.

4. Vendor should ensure the end of life certificate of the proposed email server solution equipments and support for next seven years of those equipments for new email server solution.

5. Payments: 100% against delivery and successful installation & subject to submission of performance guarantee.

6. Installation/Demonstration/Application training at site: Installation & user training at IACS, free of cost by the supplier.

7. Service facility: In India, preferably Kolkata, supplier should mention their details of service setup and man powers who are responsible for after sales support. Response time should be within 24 hrs.

8. The model number, make and a printed literature of the product should be submitted positively.

9. Proposed delivery schedule should be mentioned clearly. Delivery of the materials should be within maximum 10 days from the date of receiving the purchase order.

10. Manufacturers / exclusive distributors / vendors should have history of supplying this type of instruments to this or other scientific organizations. Availability of a list in this regard would be preferred.

11. Authorized dealership certificate should be provided in case of principal manufacturing company is not quoting directly.

12. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.

13. In the event of date being declared a closed holiday for the purchaser's office, the due date for submission of bids and opening of the technical bids will be the following working day at the appointed time.

14. In case of any dispute, the decision of IACS authority shall be final and bidding on the bidders.

15. Once the pre-bid meeting is over and issues are clarified, no query or objection or complain shall be entertained in connection with the tender. Absence of any vendors in pre-bid conference shall not be considered as justification for making query or objection thereto. Also, non-attendance in the pre-bid meeting is not a disqualification for participating in the tender process.

16. For any clarification regarding technical specifications, please send your queries to Mr. Abhra Paul (email : admap@iacs.res.in).

17. The authority of IACS reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar (Acting)