



GOVERNMENT OF SIKKIM
DEPARTMENT OF INFORMATION TECHNOLOGY
ANNEXE I SECRETARIAT, KAZI ROAD
GANGTOK

Email: dit-sik@nic.in

www.sikkim.gov.in

Ref. No. GOS/662/DIT/2020/323

Date: 26-04-2021

NOTICE INVITING TENDER

“Supply, Installation & Commissioning of Servers, Server Operating Systems & Tablets and Maintenance for a period of 5 (Five) Years”

1. Background:

The National Informatics Centre, Uttarakhand has developed an e-Cabinet project in December 2019 to automate Cabinet meetings of the Government of Uttarakhand. The system is being successfully implemented by the Government of Uttarakhand from Jan 2020 & has achieved major objectives of:-

- i. **Go Green**, making Cabinet meetings Paper free.
- ii. Replace physical movement of papers between Stakeholders.
- iii. Monitor action taken by Departments on Action Points.
- iv. The Uniqueness of e-Cabinet is **Security & Safety**

Based on the success of e-Cabinet in Uttarakhand, the Government of Sikkim desires to replicate the e-Cabinet project in the State of Sikkim. Accordingly, a team comprising of the representatives from Home Department, Department of Information Technology (DIT), Government of Sikkim and the representative from National Informatics Centre (NIC), Sikkim was constituted for co-ordination with the NIC, Uttarakhand team to plan a roll out of the e-Cabinet application for automating the Cabinet meetings in the State of Sikkim.

It was decided that the Department of Information Technology (DIT), Government of Sikkim shall be the Implementing agency and the National Informatics Centre (NIC), Sikkim shall be the technical support agency for implementation of the e-Cabinet application in Sikkim. Further, the hosting of the e-Cabinet application shall be done in the Sikkim State Data Centre under DIT.

2. INVITATION TO BID:

Sealed Tenders are invited under the two bid system (i.e. Technical Bid and Financial Bid), from bonafide companies/organizations/firms and/or authorised dealers/sales partners having its registered office in the State of Sikkim and empanelled with DIT, Government of Sikkim for **“Supply, Installation & Commissioning of Servers, Server Operating Systems & Tablets and Maintenance for a period of 5 (Five) Years”** by the Secretary, Department of Information Technology, Government of Sikkim. The method of submission of tender, amount of Earnest Money Deposit and General Terms and Conditions applicable to supply has been mentioned in Section I. The supply and installation is to be made strictly as per parameters/technical specifications given in Annexure III&IV. The terms and conditions specific to the tender have been mentioned in Section II. The format for submission of tender/criterion for technical bid has been given in Annexure II and the format for submission of Commercial Bid is at Annexure V to this Notice Inviting Tender.

3. KEY ACTIVITIES & DATE:

Sl.No.	Events	Date/Time
1.	Last Date & Time for receipt of Tenders	17-May-2021 04:30 PM
2.	Date and time for opening of Technical bids	18-May-2021 11:00 AM
3.	Date and time for opening of Commercial Bids	18-May-2021 02:00 PM
4.	Date and time for declaration of the lowest bidder	18-May-2021 04:30 PM

4. IMPORTANT INFORMATION:

Particular	Details
Bid Inviting Authority	Department of Information Technology, Government of Sikkim
Bid reference no. and date	Ref. No. GOS/662/DIT/2020/ <u>323</u> Date: 26-April-2021
Tender Document Fee	Rs. 20,000/- in favour of the Executive Director, CRTI.
Earnest Money Deposit	Rs. 1.50 lakhs in favour of the Executive Director, CRTI.
Place for opening of bids	Department of Information Technology, Government of Sikkim, Annexe I Secretariat, Kazi Road, Gangtok, Sikkim.
Contact details for queries & bids submission	Shri. Debasis Shilal, Deputy Director, Department of Information Technology, Government of Sikkim, Gangtok Tel: +91 99324 20859 Email: debasis.shilal@sikkim.gov.in

5. INSTRUCTIONS TO THE BIDDERS

The tender shall be submitted in accordance with these instructions and any tender not conforming the instructions as under is liable to be rejected. These instructions shall form the part of the tender and contract.

1. The tender has to be submitted in a sealed envelope duly super scribed as **“Tender for Supply, Installation & Commissioning of Servers, Server Operating Systems & Tablets and Maintenance for a period of 5 (Five) Years”** addressed to “The Additional Director, Department of Information Technology, Government of Sikkim, Annexe I Secretariat, Kazi Road, Gangtok, Sikkim – 737101.
2. The tender should be submitted in two separate sealed covers with technical bid marked clearly as “Technical Bid” and financial proposal marked as “Financial Bid” and should be submitted in the main envelope as mentioned above.
3. The intending bidder, in case of Authorized Distributor/ Authorized Dealer shall possess valid authorized Distributorship /Dealership license from Prime/Original Equipment Manufacturers. The bidder shall enclose the copy of the same in the bid while submitting the tender.
4. The hardware & its associated software to be supplied shall be in compliance with the specifications mentioned in Annexure III&IV of this tender and should be of the latest technology, best quality and high standards. The Bidder should enclose the covering letter mentioned in Annexure - I.
5. Any optional Accessories/Tools, besides the standard servers, server softwares and tablets recommended for the better performance of the equipment, if offered, may be provided with their full technical details including their use and advantage in a separate sheet with the tender documents. Warranty period, if applicable, should be specified for these.
6. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any bidder stipulates any condition of his own, such conditional tender is liable to be rejected.
7. Work order for Supply, Installation, commissioning and testing of Servers and Components will be issued to the lowest bidder (L1), after obtaining necessary approval from the competent authority.
8. The Secretary, DIT reserves the right to reject any tender / bid wholly or partly without assigning any reason thereof.
9. The Tender Opening Committee constituted shall have the right to verify the particulars furnished by the bidder independently. Only technically qualified bids will be considered for price evaluation (Financial bid). Price should not be quoted with technical bid; otherwise the tender will be rejected without any further clarification. Decision of the committee on the eligibility for qualifying technical bids shall be final and no representation shall be considered in this regard.

SECTION I

6. GENERAL CONDITIONS OF THE CONTRACT:

6.1 Definition of terms.

- 6.1.1 The bidder /tenderer means the firm / agency who participates in this tender and submits its bid.
- 6.1.2 EMD shall mean Earnest Money Deposit.
- 6.1.3 DIT shall mean the Department of Information Technology, Government of Sikkim.
- 6.1.4 CRTI shall mean the “Centre for Research in Training & Informatics”, an autonomous body under the Department of Information Technology, Government of Sikkim.
- 6.1.5 The successful bidder shall mean the bidder whose financial quote has been found to be the lowest and who shall be issued the work order after due approval of the Government.

6.2 Receipt and opening of Tenders

- 6.2.1 Tenders duly filled in will be received and opened on the same date and time indicated in the Notice inviting tenders in presence of tenderers / their authorized representatives who wish to be present. In case of authorized representatives, they have to bring with them the letter of authority from the corresponding tenderer as per **Annexure - VI**.
- 6.2.3 If due date of receipt of tenders and that of opening of tender is declared to be a holiday subsequently, the tender would be received and opened on the next working day but the time of receipt and opening will remain the same.
- 6.2.4 DIT reserves the right to postpone and/or extend the date of receipt/opening of tenders or to withdraw the tender notice without assigning any reason thereof. In such a case the bidders shall not be entitled to any form of compensation from DIT.

6.3 Preparation of Tender

- 6.3.1 The bidders are required to submit the tender documents completed in all respects after satisfying each and every condition laid down in the tender document.
- 6.3.2 All rates shall be written both in figures and in words. Corrections, if any are to be made by crossing out, initialling and rewriting. In case of discrepancy between the words and the figures, the rates indicated in the words shall prevail. All cutting, insertion needs to be authenticated. **No over writing / usage of correction fluid will be permitted.**

6.4 Submission of Tenders

- 6.4.1 The Tender fee of Rs. 20, 000/- in form of Demand Draft (DD) addressed to "The Executive Director, CRTI" should be kept inside a sealed envelope with words super scribed as "Tender Fee".
- 6.4.2 The Earnest Money Deposit (EMD) amounting to Rs. 1.5 lakhs in form of Demand Draft addressed to "The Executive Director, CRTI" should be kept inside a sealed envelope with words super scribed as "Earnest Money Deposit".
- 6.4.3 The Tender Document with duly filled in Annexure's and requisite enclosures should **be duly signed and stamped on each page** for having accepted the General and Special Terms and Conditions and kept in a sealed envelope (**Envelope 1**) super-scribed as '**Technical Bid**'. Note: This enveloped should also contain the Tender Fee envelope and the EMD envelope.
- 6.4.4 Annexure for Financial Bid should **be duly signed and stamped** and kept in a sealed envelope (**Envelope 2**) super-scribed as '**Financial Bid**'. The rates quoted should be inclusive of five (5) years extended warranty contract.
- 6.4.5 Both the sealed envelopes i.e. Technical Bid & Financial Bid are to be placed in another big cover super-scribing the same and written in bold as "Tender for Supply, Installation, Commissioning and Maintenance of Servers, Server Operating Systems & Tablets for a period of 5 years" addressed to "The Additional Director, Department of Information Technology, Government of Sikkim, Annexe I Secretariat, Kazi Road, Gangtok, Sikkim – 737101.
- 6.4.6 'Financial Bid' of only those Agencies / firms who fulfill the terms & conditions as specified in Section I and II & who have submitted Annexure's duly filled in & compete in all respects along with requisite documents will be opened separately as indicated in the NIT.

- 6.4.7 The tenders should be submitted to “The Additional Director, Department of Information Technology, Government of Sikkim” at DIT by hand or through a Registered or Speed post. However, delivery of the bid document before the stipulated time and date shall be the responsibility of the bidder.
- 6.4.8 Only tenders complete in all respects and received on or before the due date and time shall be considered.
- 6.4.9 Tenders should be submitted and signed by a duly authorized person giving full name of the firm with its current business address.
- 6.4.10 DIT reserves the right to reject any or all tenders without assigning any reasons whatsoever.
- 6.4.11 The tender shall be valid for a period of at least 3(three) calendar months from the date of opening of the tenders.
- 6.4.12 The bidders should satisfy themselves before submission of the tender to DIT that they meet the qualifying criteria and capability as laid down in the tender documents.

6.5 Cost

Bidders are requested to quote firm price inclusive of taxes as applicable. No cost escalation will be accepted for the rates quoted.

6.6 Earnest Money Deposit

6.6.1 Bidders shall submit along with the tenders, Earnest Money as indicated in para 5 of NIT in the form of Demand Draft / banker's cheque in favour of "The Executive Director, CRTI". Tenders not accompanied with the DD/banker's cheque for the requisite amount of Earnest Money shall be rejected.

6.6.2 Earnest Money shall be forfeited in the event of the following situations:

- i. If the tenderer withdraws or amends his tender or increases the rates after deadline for submission of the bid but before the validity of the quotation expires.
- ii. On refusal to enter into contract after award of work.
- iii. If the item is not supplied and/or work is not commenced on the date of starting the work after work is awarded to the successful bidder.

6.6.3 No interest is payable on the Earnest Money Deposit under any circumstances and will be returned on completion of the tendering process.

6.7 Tax Deduction At source: TDS as applicable will be effected on the bills

6.8 Deviation: The successful bidder must comply with the tender specification and all terms and conditions of contract. No deviation and exceptions will be permitted.

6.9 Award of Contract: DIT shall accept the lowest bid or any Tender and reserves to itself the right to accept or reject any bid or to accept whole or a portion of tender, as it may deem fit, without assigning any reason there of and without incurring any liability to the affected bidders for the action of DIT.

6.10 Termination of Contract:

6.10.1 In case of any default by the bidder and in case of any violation of the terms and conditions of this contract, DIT may without prejudice to any other right/remedy which shall have accrued or shall accrue thereafter, terminate the contract, in whole or in part, by giving 15 day's notice in writing to the successful bidder. In such a case the EMD paid by the successful bidder will be forfeited to DIT and the successful bidder is liable to be blacklisted for a period of 3 Years.

6.10.2 All instructions, notices and communications etc. under the contract issued in writing and if sent to the last known place of business, shall be deemed to be served on the date. Notwithstanding anything contained herein, DIT also reserves the right to terminate the contract at any time or stage during the period of contract, by giving 15 days notice in writing without assigning any reason and without incurring any financial liability whatsoever to the successful bidder.

6.11 Arbitration:

Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled by arbitration in accordance with the Rules of Arbitration in Indian Arbitration and Conciliation Act 1996 and the award made in pursuance thereof shall be binding on the parties. The place of arbitration shall be Gangtok, Sikkim.

6.12 Jurisdiction of Courts:

The courts/any other Tribunal or Forum in Sikkim alone shall have exclusive jurisdiction with regard to any matter/dispute relating to or arising out of this contract.

6.13 Selection Procedure:

Only the bidders fulfilling the Technical Qualification Criteria as per Annexure II are allowed to participate in the Commercial Bid. The envelopes marked "Technical Bid" shall be opened first. The envelopes marked "Financial Bid" shall be kept sealed and shall be opened only after evaluation of technical bid.

Evaluation of Bid

For financial evaluation, the total cost indicated in the Financial Bid including all Taxes will be considered.

The bidder who has quoted the lowest shall be considered as the lowest bidder (L1) and shall be awarded the work upon approval of the Government.

6.14 Delivery Schedule & Installation:

The Supply and installation must be made within four weeks from the date of issue of supply order. The supply should be effected as per specifications furnished in **Annexure III & IV and** as per delivery schedule. Any delay in the delivery of items should be intimated to the Secretary, DIT in advance.

6.15 Payment terms:

6.15.1 80% of the hardware costs and 100% of the software costs shall be released upon successful supply, installation and commissioning of items as mentioned at Annexure III&I V.

6.15.2 Remaining 20% of the hardware costs shall be released on a quarterly basis in 20 successive quarters for a period of 5 years.

6.16 Force Majeure:

6.16.1 In the event of either party being rendered unable by force majeure to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such force majeure shall be suspended for the period during which such cause lasts.

6.16.2 The term 'force majeure' as employed herein shall mean acts of God, war, civil riots, fire directly affecting the performance of the contract, flood and acts and regulations of the two parties, namely DIT and the successful bidder.

Section II

Special Conditions of Contract

7. ONSITE WARRANTY MAINTENANCE & PENALTY

- 7.1** All tendered items shall be under Five (5) years of on-site extended comprehensive maintenance & support from the date of installation including free spare parts, kits etc excluding the consumable items
- 7.2** The successful bidder should fulfil the conditions that during the support/maintenance period if any of the system is down beyond 24 hours as the case may be, penalty will be charged or recovered from out of the quarterly payment at the rate of 0.2% of purchase value of item per day.
- 7.3** Any item failing at sub-component level more than three times in a month regularly for one quarter after installation, displaying chronic system design or manufacturing defects or quality control problem, shall be replaced by the vendor at his cost and risk within 30 days, from the date of last failure. In the event of failure to replace the faulty items within the stipulated time, the contract shall be deemed to be terminated.

COVERING LETTER:

Tender No.

Date

To

The Secretary
Department of Information Technology
Government of Sikkim

Dear Sir,

Having examined the conditions of tender and specifications, the receipt of which is hereby duly acknowledged, I, the undersigned, offer to provide and install required server and tablets in conformity with the specifications of the tender document and as per the schedule of prices attached herewith and made part of the Bid. I also undertake, that if my Bid is accepted, I shall provide the server and tablet as per your Work order issued.

I agree to abide by this Bid for a period upto 90 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

Until a formal work order of contract is prepared and executed, this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.

Bid submitted by me is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

Signature
(in the capacity of)

Duly authorized to sign the bid for and on behalf of

Tele No(s):-

Fax No(s)

E-Mail Address:-

Annexure II

Technical Bid:

SL No	Clause	Documents Required
1	The Bids should be submitted by only the prime Bidder; no consortium is allowed in this Bid	Declaration in this regard needs to be submitted
2	Tender Fee of Rs. 20,000/- in favour of "The Executive Director, CRTI"	Demand Draft from a recognized bank to be submitted.
3	The Bidder should furnish as a part of the bid an EMD (Earnest Money Deposit) of Rs.1,50,000/- (Rupees one lakh and fifty thousand only)	EMD should be in the denomination of INR
4	<p>The Bidder's average annual turnover should be more than (INR) 3 crores (Three crores) during the Financial Years viz: 2018-19, 2019-20 and 2020-21.</p> <p>Note: The turnover refers to the Bidder's firm and not the composite turnover of its subsidiaries/sisters concerns etc.</p>	Copy of the audited profit and loss account/balance sheet/annual report of the last three years financial years viz 2018-29, 2019-20 and 2020-21
5	<p>The Bidder should have:</p> <ol style="list-style-type: none"> Valid Trade License issued from the Government of Sikkim license registering authorities. Valid Registration of firm certificate issued by the Government of Sikkim. Valid Information Technology empanelment certificate. Valid GST registration certificate Valid PAN Card. GST returns for the Financial Year 2018-2019, 2019-2020 and 2020-2021 	<ul style="list-style-type: none"> Trade License issued by the Government of Sikkim. Registration of Firm certificate IT empanelment certificate Original GST registration certificate. Original PAN Card. GST returns duly attested by the Chartered Accountant.
6	Bidder should have experience of Supply, installation and maintenance services of IT hardware products and should have been in the business for at least 5 years as on 31.03.2021	<ul style="list-style-type: none"> At least 5 Work Orders from various agencies of the Government of Sikkim.

7	The Bidder must have on its Pay Roll at least three (3) personnel's technically qualified for installation and servicing of IT hardware's including server maintenance as on 31.03.2021	<ul style="list-style-type: none"> • Certified salary certificate for at-least 6 (six) months. • Technical qualification diploma/degree certificate
8	The Bidder should have executed at least three works of server installation and its maintenance for the Government of Sikkim in the past.	<ul style="list-style-type: none"> • Completion Certificate from the relevant department.
9	The Bidder shall not be under a declaration of ineligibility for corrupt or fraudulent practices or blacklisted with any Government agencies.	Declaration on this behalf by the authorised signatory of the bidder.
10	<p>The Bidder should submit valid letter from all the Original Equipment Manufacturer or its authorised distributor confirming the following:</p> <ol style="list-style-type: none"> a. Authorisation for the Bidder b. Confirm that the products are not end of life or end of sale products as on Bid Submission dates. If in case the support for the product quoted has been stopped /withdrawn till the time of delivery of equipment, the same will be changed with the superior product at no extra costs. c. Undertake that the support including spares, patches updates, upgrades shall be available for the period of the project. 	<ul style="list-style-type: none"> • Relevant documentary evidences like authorisation letters of association letters from the vendors or its authorised channel partners/distributors whose products are being quoted by the bidder need to be attached with the proposal.
11	The Bidder shall provide an undertaking that they or their subsidiaries are not working a Consultant for the similar project for the Government of Sikkim.	<ul style="list-style-type: none"> • Letter of Undertaking from the authorised signatory.
12	The tenderer should also mention in the tender the list of their service centers, nearest location of their support centres.	Any valid address proof document in the name of the firm like Electricity Bill etc.
13	Product Details	Brochure of the product or catalogue of the product if any.

DECLARATION

1. I, son/daughter/wife of Shri Proprietor/Director/authorized signatory of the Agency/firm mentioned above, is competent to sign this declaration and execute the tender documents;
2. I have carefully read and understood all the terms and conditions of the tender and undertake to abide by them;
3. The information/documents furnished along with the above application are true and authentic to the best of my knowledge and belief. I/we, am/are well aware of the fact that furnishing of any false information/fabricated document would lead to rejection of my/our tender at any stage besides liabilities towards prosecution under appropriate law and forfeiture of EMD and Performance Guarantee.

Date:
Place:

Signature of the bidder/authorised person:

Name:

Seal:

Countersigned by:

Name of the Proprietor/Managing Director/Senior Management of the firm:

Signature:

Seal:

Technical Specifications for Server & Server Operating Systems:

WEB SERVER: 2 NOS	
Item	Description of Requirement
Chassis	1U Rack Mountable
CPU	2 x Intel Xeon Silver 4241R Processor
Memory	24DIMM slots. 4 x 16 GB RAM
Memory Protection	Advanced ECC with multi-bit error protection, Online spare, mirrored memory and fast fault tolerance
HDD Bays	Upto 4 HDD Bays The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid data loss/downtime due to wrong drive removal.
Hard disk drive	2 x 1.92 TB SSD SATA MU LFF (3.5 in) Drive
Controller	Hardware Controller with 4 GB Cache Should SUPPORT RAID 0, 1, 5 and 6.
Networking features	<p>Server should support below networking cards:</p> <ol style="list-style-type: none"> 1. 1Gb 4-port network adaptors 2. 10Gb 2-port Ethernet adaptor 3. 10GBaseT 4-port Ethernet adaptor 4. 4x25Gb Ethernet adaptor 5. 10/25Gb 2-port Ethernet adaptor 6. 100Gb Ethernet <p>Infiniband Options: 40Gb dual port or 100Gb Single or Dual port Adapter 100Gb Single port Omni path adaptor Also 1G x Quad Port Should be Provided from Day 1</p>
Interfaces	Serial - 1 Micro SD slot - 1 USB 3.0 support With Up to 5 total: 1 front, 2 internal, 2 rear, 2 internal (secure)
Bus Slots	Three PCI-Express 3.0 slots, atleast one x16 PCIe slots
Power Supply	Should support hot plug redundant low halogen power supplies minimum 2 x 800 Watt along with Required Power Chords
Fans	Redundant hot-plug system fans
Industry Standard Compliance	ACPI 6.1 Compliant PCIe 3.0 Compliant PXE Support Energy Star ASHRAE A3/A4 UEFI 2.6 SMBIOS Redfish API SNMP v3 TLS 1.2 DMTF Systems Management Architecture

System Security	<p>UEFI Secure Boot and Secure Start support</p> <p>Security feature to ensure servers do not execute compromised firmware code</p> <p>FIPS 140-2 validation</p> <p>Support for Commercial National Security Algorithms (CNSA)</p> <p>Common Criteria certification</p> <p>Configurable for PCI DSS compliance</p> <p>Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser</p> <p>Tamper-free updates - components digitally signed and verified</p> <p>Secure Recovery - recover critical firmware to known good state on detection of compromised firmware</p> <p>Ability to rollback firmware</p> <p>Secure erase of NAND/User data</p> <p>TPM (Trusted Platform Module) 1.2</p> <p>TPM (Trusted Platform Module) 2.0</p> <p>Smart card (PIV/CAC) and Kerberos based 2-factor Authentication</p> <p>Configurable for PCI DSS compliance</p> <p>Chassis Intrusion detection</p>
System tuning for performance	<p>1. System should support feature for improved workload throughput for applications sensitive to frequency fluctuations. This feature should allow processor operations in turbo mode "ON" without the frequency fluctuations associated with running in turbo mode</p> <p>2. System should support workload Profiles for simple performance optimization</p>
Secure encryption	<p>System should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.</p>
Warranty	<p>Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with NBD Response Time</p>
Firmware security	<p>1. For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable</p> <p>2. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware</p>

DATABASE SERVER: 4 NOS	
Item	Description of Requirement
Chassis	1U Rack Mountable
CPU	2 x Intel Xeon Silver 4241R Processor
Memory	24DIMM slots. 4 x 16 GB RAM
Memory Protection	Advanced ECC with multi-bit error protection, Online spare, mirrored memory and fast fault tolerance
HDD Bays	Upto 4 HDD Bays The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid data loss/downtime due to wrong drive removal.
Hard disk drive	2 x 1.92 TB SSD SATA MU LFF (3.5 in) Drive
Controller	Hardware Controller with 4 GB Cache Should SUPPORT RAID 0, 1, 5 and 6.
Networking features	<p>Server should support below networking cards:</p> <ol style="list-style-type: none"> 1. 1Gb 4-port network adaptors 2. 10Gb 2-port Ethernet adaptor 3. 10GBaseT 4-port Ethernet adaptor 4. 4x25Gb Ethernet adaptor 5. 10/25Gb 2-port Ethernet adaptor 6. 100Gb Ethernet <p>Infiniband Options: 40Gb dual port or 100Gb Single or Dual port Adapter 100Gb Single port Omni path adaptor Also 1G x Quad Port Should be Provided from Day 1</p>
Interfaces	Serial - 1 Micro SD slot - 1 USB 3.0 support With Up to 5 total: 1 front, 2 internal, 2 rear, 2 internal (secure)
Bus Slots	Three PCI-Express 3.0 slots, atleast one x16 PCIe slots
Power Supply	Should support hot plug redundant low halogen power supplies minimum 2 x 800 Watt along with Required Power Chords
Fans	Redundant hot-plug system fans
Industry Standard Compliance	ACPI 6.1 Compliant PCIe 3.0 Compliant PXE Support Energy Star ASHRAE A3/A4 UEFI 2.6 SMBIOS Redfish API SNMP v3 TLS 1.2 DMTF Systems Management Architecture

System Security	UEFI Secure Boot and Secure Start support Security feature to ensure servers do not execute compromised firmware code FIPS 140-2 validation Support for Commercial National Security Algorithms (CNSA) Common Criteria certification Configurable for PCI DSS compliance Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser Tamper-free updates - components digitally signed and verified Secure Recovery - recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 1.2 TPM (Trusted Platform Module) 2.0 Smart card (PIV/CAC) and Kerberos based 2-factor Authentication Configurable for PCI DSS compliance Chassis Intrusion detection
System tuning for performance	1. System should support feature for improved workload throughput for applications sensitive to frequency fluctuations. This feature should allow processor operations in turbo mode "ON" without the frequency fluctuations associated with running in turbo mode 2. System should support workload Profiles for simple performance optimization
Secure encryption	System should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with NBD Response Time
Firmware security	1. For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable 2. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware

SERVER OPERATING SYSTEMS:

PARTICULARS	SPECIFICATION	QUANTITY
Operating System	Windows Server 2019 Standard Edition	6
Windows CAL	Windows Server 2019 Standard Client Access License	20
SQL Database	Microsoft SQL 2019 Standard	4
SQL CAL	Microsoft SQL 2019 Standard – Client Access License	10

Technical Specifications for Tablets:

PARTICULARS OF TABLET	DESIRED SPECIFICATIONS:
Display	11 inch or more.
Processor	Octa Core Processor.
Battery	8000 mAH or more.
Touch Screen	Yes
Dimensions	244.50 x 159.50 x 5.70 or more
RAM	8 GB or more
Storage	128 GB or more
Expandable Storage	YES
Expandable Storage upto	1000 GB
Camera	Rear: 13 MP or more Front: 8 MP or more
Connectivity	2G GSM 3G UMTS 4G FDD LTE 4G TDD LTE Wi-Fi – 802.11 /b/g/n Wi-Fi direct Bluetooth: 5.00 or more
Operating System	Latest version of Android
Accessories	Pen Tablet Carry Bag Head Phones Tablet Cover with Keyboard preferably

FORMAT FOR COMMERCIAL BID:

ANNEXURE V

TABLE 1: SERVER AND SERVER OPERATING SYSTEMS:

SI No	Name of Item	Unit Price	Quantity	Sub Total	GST	Total
1	Web Server		2			
2	Database Server		4			
3	Microsoft Windows 2019 standard edition		6			
4	Microsoft SQL Server 2019 Standard Edition		4			
5	CAL License		20			
6	SQL CAL License		10			
7	GRAND TOTAL					

(Rupees in words)

TABLE 2: TABLETS:

SI No	Brand Name	Product Name	Detailed Specification as per Annexure IV	Unit Price	Quantity	Sub Total	GST	GRAND TOTAL
					14			

(Rupees in words)

TABLE 3: CONSOLIDATED BID AMOUNT:

SI No	Particulars	Amount Quoted without GST	GST	Total Amount
1	Server & Server Operating Systems (Table 1)			
2	Tablets (Table 2)			
3	GRAND TOTAL			

(Rupees in words)

Certified that the above rates are inclusive of statutory taxes as may be applicable.

Certified that I agree to all the terms & conditions of the tender document.

Signature of the Bidder with seal

ANNEXURE VI

LETTER OF AUTHORISATION FOR ATTENDING BID OPENING

Subject :- Authorization for attending bid opening on(date) in the tender for purchase of servers and tablets in the Department of Information Technology, Government of Sikkim.

Following persons are hereby authorized to attend the bid opening for the tender mentioned above on behalf of (Bidder) in order of preference given below.

Order of Preference	Name	Specimen Signature
1.		
2.		

Signature of the Tenderer Or
Officer authorized to sign the bid
documents on behalf of the Tenderer

Note

1. Maximum of two representatives will be permitted to attend bid opening in cases where it is restricted to one first preference will be allowed.
2. Permission for entry to the hall where bids are opened may be refused in case authorization as prescribed above is not received.

Signature of the Tenderer & Seal