H.P. STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
(A Unit of H.P. Government Undertaking)

e-Tender
for
Rate Contract of Servers

E-Tender No: **HPSEDC/RC-Server/2K26-10833**

H.P. STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.,
1st FLOOR, I.T BHAWAN, MEHLI, SHIMLA-171013, H.P.
Tel. Nos.: 0177-2623259, 2623043, 2623513 (Telefax): 0177-2626320
Email:hpsedc@hpsedc.in, procurement@hpsedc.in

Website: www.hpsedc.in, tender document can also be downloaded from https://hptenders.gov.in

28/03/2026

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SECTION-l
INVITATION FOR E-BIDS

E-TENDER NO: HPSEDC/RC-Server/2K26-10833

Note:

The Press e-Tender Notice published on 28/03/2026 in daily Newspapers for inviting e-Tenders for Rate Contract of Servers during warranty period and post warranty period. In case there is any decrease/ increase in prices, HPSEDC may asked the bidders to submit revised quotes in sealed envelopes. The rates finalised in this tender will also be considered for General Rate Contract of equipment and will be valid for two years. The tender notice will be published in at least two daily news papers for wider publicity.

The detailed e-Tender document contained in following sections has been prepared to elaborate all techno-commercial conditions of this tender. In case of any discrepancy between the Press Advertisement and detailed provisions of this Tender Document, the latter will prevail. For any further changes (if any, based on feedback/ queries from any quarter and pre-bid meeting) in this tender document, please see its updated version/corrigendum on www.hpsedc.in and https://hptenders.gov.in.

A) e-Tenders are invited by the undersigned from eligible bidders, i.e., Original Equipment Manufacturers (O.E.M.)/ Principal National Distributors/ Country Channel Partners in India (in case of imported equipment)/ Large Scale Systems Integrator duly authorised by the manufacturer for these Hardware Equipment as per technical specifications in Annexure-I and providing after sale support during warranty period.

GIST OF IMPORTANT GENERAL CONDITIONS

1) The tender has been floated for finalizing the rate contract of Servers as per specifications mentioned in Annexure-I. The rate will be finalised for all the components involved in the specified hardware, where the bidder has quoted lowest (L1) rate item wise. **Only L1 rates** will be conveyed and accordingly purchase orders would be placed for only L1 bidder. However, since the equipment is to be procured and supplied so reasonability of the rates would be ascertained by the tender committee w.r.t. other tenders/ rate contracts in the market. Bidders have to ensure that the **rates quoted for this tender/ rate contract are economical** (or at least equal) than the rates in other rate contracts/ government supplies or open market anywhere else in the country.

2) The rates, as discovered through this RFP, shall also be considered for Rate Contract, valid for two years. The terms and conditions of the Rate Contract shall be same as per this tender document.

3) After finalizing the L1 rate contract, other bidder(s) may be given opportunity to match the prices of L1 bidder for rate contract, if tender committee deems fit to ensure healthy competition and timely supply of hardware. Therefore, bidders are advised to quote their best rates.

4) Unless otherwise specified for a part of the order, the supplies should be completed within **6-8 weeks** from the date of placing the supply order except for snowbound/ tribal areas, where delivery can be made within 8-10 weeks. Delivery is to be made FOR destination i.e. anywhere in the State of Himachal Pradesh and Installation has to be completed within **one week** after supply of material. In Remote and snowbound areas delivery may be done at nearest district head quarter, in case the area is cut-off for the time being. The Managing Director, HPSEDC reserves the right to extend the delivery period based on the request of the supplier, wherever required.

5) The committee reserves the right to negotiate the rates with L1 bidder to bring them to a reasonable level based on the best prices offered by other bidders and current market rates.

6) If the bidder quotes/ reduces, its price to render similar goods, works or services at a price lower than any tender/ rate contract price to anyone in the Country at any time during the currency of this tender, the price shall be automatically reduced with effect from the date of reducing or quoting lower price, for all delivery of the subject matter of procurement under this tender shall be amended, accordingly. The tender holder shall furnish the certificate to the HPSEDC that the provisions of this clause have been complied with in respect of supplies made or billed for upto the date of this certificate. On the conclusion of the tender

the successful bidder shall furnish a certificate that the provision of this clause has been complied with during the period of tender/ rate contract.

7) Any prospective bidder can procure the Tender Document from the "H.P. STATE ELECTRONICS DEVELOPMENT CORPORATION LTD., FIRST FLOOR, I.T. BHAWAN, MEHLI, SHIMLA-171013, (H.P)". Tender can also be downloaded from website http://www.hpsedc.in and https://hptender.gov.in.

The tender document will be available on all working days upto last date of bids submission on payment of Rs.5000/- (Rupees Five Thousand only) non-refundable, by demand draft in favour of "HP State Electronics Development Corporation Ltd., Shimla" payable at Shimla. If the tender document is downloaded from the website, the tender fee will have to be deposited along with the bid as a separate bank draft. E-tenders will be uploaded on HP Government e-Procurement portal https://hptenders.gov.in as well on HPSEDC website www.hpsedc.in. Interested bidder can participate for all or any of the category of equipments/items by procuring a single tender (i.e no separate tender cost has to be paid for each category of items).

3.)SCHEDULE OF THE TENDER PROCESS:

S. No.	Information	Details
1.	RFP No. and Date	No: HPSEDC/RC-Server/2K26-10833 Date: 28/03/2026
2.	Last Date for submission of pre-bid queries	Pre-Bid queries will only be accepted upto 04/04/2026 till 5PM through email and no query will be entertained after 04/04/2026 through e-mail (procurement@hpsedc.in)
3.	Pre-Bid Meeting	Pre-Bid meeting will also be held on 06/04/2026 at 11:30AM through video conference. Video Conferencing link is as under: **meet.google.com/rqc-sffc-jfz**
4.	Price of Tender Document	Rs. 5000/- online through HP Govt. e-Procurement Portal
5.	Earnest Money Deposit	Rs. 2,00,000/- online through HP Govt. e-Procurement Portal
6.	Bid validity period	180 days from the last date (deadline) for submission of e-Tenders.
7.	Bid submission start date	13/04/2026, (11:00 AM)
8.	Bid submission End date	25/04/2026 (02:30 PM)
9.	Opening of e-Tenders Bids	27/04/2026 (2:30 PM)
10.	Tender Download Site	www.hpsedc.in & https://hptenders.gov.in
11.	Venue	H.P. State Electronics Development Corporation Ltd., 1st Floor, I.T. Bhawan, Mehli, Shimla-171013, H.P.

Note: *If Price of Tender document and EMD, is deposited through RTGS, then kindly select DD & fill RTGS No. in available columns on e-Procurement Portal and upload the copy of RTGS receipt.*

(i) Eligibility-cum-Technical Bids shall be opened initially, and eligibility documents will be evaluated.

(ii) Thereafter Technical Bids of Eligible Bidders shall be evaluated.

(iii) Commercial Bids of Eligible and Technically qualified bidders will be opened thereafter.

*** Any corrigendum, modifications, changes related to this tender before the day of bid submission shall be notified on website www.hpsedc.in or https://hptenders.gov.in only.*

4) Notwithstanding anything else contained to the contrary in this Tender Document, the Managing Director, H.P. State Electronics Development Corporation Ltd., Shimla reserves the right to cancel/withdraw/ modify fully or partially the "Invitation for Bids" or to reject one or more of the bids without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.

5) Pre-Bid queries are to be strictly submitted in the form of excel sheet in the following Format. Deviation from the same would lead to non-acceptance of the queries.

S.No	Page No	Section of the RFP	Point of clarification required in the RFP	Clarification required / Suggested changes	Remarks

5. INSTRUCTIONS TO BIDDERS FOR ELECTRONIC TENDERING SYSTEM

5.1   Registration of bidders on e-Procurement Portal: -

All the bidders intending to participate in the tender processed online are required to get registered on the centralized e-Procurement Portal i.e. https://www.hptenders.gov.in. Please visit this website for more details. In case of any problem in registration, please contact on toll free No. 1800-3070-2232

5.2 Obtaining a Digital Certificate:

5.2.1 The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital Certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.

5.2.2 The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from:

5.2.3 Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt and sign the data during of bid preparation stage. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised to keep a backup of the certificate and also keep the copies at safe place under proper security (for its use in case of emergencies).

5.2.4 In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no objection certificate/power of attorney /lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000.

Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the company/firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.

5.2.5 In case of any change in the authorization, it shall be the responsibility of management/ partners of the company/firm to inform the certifying authority about the change and to obtain the digital signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.

5.2.6 The same procedure holds true for the authorized users in a private/public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.

5.2.7 Pre-requisites for online bidding:

In order to bid online on the portal https://www.hptenders.gov.in, the user machine must be updated with the latest Java & DC setup. The link for downloading latest java applet & DC setup are available on the Home page of the e-tendering Portal.

5.3 Online Viewing of Detailed Notice Inviting Tenders (N.I.T.) :

The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal e-Procurement system on the Home Page at https://www.hptenders.gov.in

5.4 Download of Tender Documents:

The tender documents can be downloaded free of cost from the e-Procurement portal https://www.hptenders.gov.in and www.hpsedc.gov.in.

5.5 Key Dates:

The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.

5.6 Bid Preparation (Qualification & Financial)

5.6.1   Payment of Tender Document Fee& EMD of online Bids: The payment for Tender document fee and EMD can be made as mentioned in Section 3, at Sr. No. 1 and 2of the Table.

5.6.2   The bidders shall upload their eligibility and technical offer containing documents, qualifying criteria, technical specifications, schedule of deliveries, and all other terms and conditions except the rates (price bid).

5.6.3   The bidders shall quote the prices in price bid format only.

5.6.4   If bidder fails to complete the Online Bid Preparation at Submission stage on the stipulated date and time, his/hers bid will be considered as bid not submitted, and hence not appear during tender opening stage.

5.6.5   Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal https://www.hptenders.gov.in.

5.6.6   For help manual please refer to the 'Home Page' of the e-Procurement website at https://www.hptenders.gov.in., and click on the available link 'How to .. ?' to download the file.

5.6.7 Post registration, bidder shall proceed for bidding by using both his digital certificates (one each for encryption and signing). Bidder shall proceed to select the tender he is interested in.

NB: Any changes/corrigendum/revised tender related to this Tender Document will be published on our website www.hpsedc.in and https://hptenders.gov.in. Therefore, prospective bidders are requested to see the updates on these websites regularly.

SECTION 2
INSTRUCTIONS TO BIDDERS
A-INTRODUCTION

2.1. Eligible Bidders

Sr. No.	Pre- Qualification Criteria	Required details to be accompanying the Bid document
1.	The Bidder should be registered under the Indian Companies Act, 1956 and should be in existence for not less than preceding 5 years in the relevant field. Proprietors/ Partnership Firms should have valid Government licence and GSTN.	Memorandum of Association (MoA), Articles of Association (AoA) of bidder/ Proprietor and detailed profile of the Company/ Firm/ Government License and GSTN for proprietors
2.	(i) Tender Document Fee in favour of Managing Director, H.P. State Electronics Development Corporation, I.T. Bhawan, Mehli, Shimla-13. (ii) Earnest Money Deposit (EMD) in the shape of Demand Draft/ Bank Guarantee valid for 180 days in favour of Managing Director, H.P. State Electronics Development Corporation, I.T. Bhawan, Mehli, Shimla-13.	(i) Demand Draft (DD) of Rs. 5000/- (Rupees Five Thousand only) (ii) Earnest Money (Rs. 2,00,000/-) DD / EMD may be submitted through RTGS in HPSEDC A/c: (State bank of India Khalini, Shimla-2 Account no. 55069383586 IFSC Code-SBIN 0051132) Receipt/Copy of the demand draft/ RTGS should be uploaded.
3.	The Bidder should have a valid GST Number, PAN Number.	Relevant Registration Certificates (copies to be enclosed)
4.	A Bidder should be Original Equipment Manufacturer (OEM) or Authorised Principal National Distributor/ Importer/ System integrator duly authorised by the OEM (Original Equipment Manufacturer) of the required equipments respectively. It will, however be, preferred that the Original Equipment Manufacturers (O.E.M.) quotes directly.	Authorization letter from OEM in format given at Proforma-A, in case OEM not bidding directly.
5.	A Bidder quoting for these items or its OEM {themselves or through re-sellers} must have supplied minimum 100 number of Servers/ similar equipment(s) in the last three years to Government/Semi Govt./ PSUs/ Autonomous bodies of Central/ State Govt.	Copies of supply orders/ satisfactory reports of last three years are to be provided and Proforma-"C"
6.	The average annual turnover of the OEM, whose equipment's/ systems/ Items are sought to be supplied should Rs. 500 Crores during last 3 years (FY 2022-23; 2023-24; 2024-25) as per audited balance sheets/Annual reports of accounts.	Certificate from Chartered Accountant (CA) confirming the average annual turnover for the specified period shall be submitted as documentary proof

7.	The average annual turnover of the bidders should be Rs. 5 Crores (Rs. Five Crores) during last 3 years (FY 2022-23; 2023-24; 2024-25) as per audited balance sheets.	Certificate from Chartered Accountant (CA) confirming the average annual turnover for the specified period shall be submitted as documentary proof
8.	The bidder should either have positive Net worth in last three years or should be a profit-making Company/ firm in any two years during the immediately preceding last 3 financial years as per audited balance sheets.	Supporting financial documents/Balance sheet/ certificate from company's Statutory Auditor/ CA.
9.	OEM should have been existing in the industry for a minimum of 15 years	Relevant supporting document to be submitted.
10.	OEM should be among top global server manufacturers as per latest IDC or equivalent report	Relevant supporting document to be submitted.

11.	The OEM/ bidder should have the following certifications:
	    1. ISO 9001
	    2. ISO 14001
	    3. ISO 20000
	    4. ISO 27001
		Valid Certificate of each type from the certifying organizations.

12.	The OEM should have its registered office in India. Copy of registration certificate to be attached.	Copy of registration certificate to be attached.
13.	OEM Toll Free Help-desk facilities should be already available during working hours (9 to 6 PM and from Monday to Saturday). The bidder and OEM should have its own website having product related information (for OEM) and support related information (for both bidder and OEM).	Contact information and availability hour's details. Provide detail of web linkages.
14.	The Bidder should not have been declared ineligible at the time of bid submission and at the time of placing of supply order due to corrupt and fraudulent practices with any of the departments of the Central, State Governments Deptt. and PSUs of Central/ State Govt.	Certificate from the authorized signatory prescribed in Form-E.
15.	The bidder should have submitted the declaration of acceptance of terms and conditions of this RFP as per Form D	Declaration from Authorized Signatory as per Form D of this RFP
16.	The Bidder should already have reasonable support base in this region. The Purchaser's discretion regarding reasonableness of support base shall be final. It is clarified that this clause pertains to only the existing level of support. The actual support required to implement this arrangement has been described in the relevant section.	Supporting documents/ certificate from company's authorised signatory.

Note: -

Purchase Preference for Local Micro and Small-Scale units/ Startup Enterprises of the state: -

The following purchase preference ratio shall be applicable to the Local Micro and Small-Scale Units of State and Local Micro and Small-Scale categories under H.P. State Startup Scheme: -

1. Local Micro and Small-Scale Units of State of H.P. =15%
2. Local Micro and Small-Scale categories under H.P. State, Startup Scheme=15%
Total Purchase Preference =30%)

Provided that if Startup Enterprises will not be available, then 30% purchase preference shall automatically be given to Local Micro & Small-Scale Unit and vice versa as the case may be.

Exemption, if any in evaluation criteria or any other terms & conditions of this document, will be as per Notification No. 4-Ind/SP/Misc/F/6-10/4/80-Vol-V dated 16.05.2020 issued by Controller of Stores Himachal Pradesh or any other orders issued by Govt. of Himachal Pradesh in case the committee deems it fit.

It is reiterated that Purchaser's decision regarding Bidder's eligibility will be final and binding on all the Bidders.

The Bidder can choose to have a separate Authorised Service Provider (ASP). There is no turnover criterion for the ASP, but it should provide the first level of OEM's support which is fully backed up by the O.E.M. by means of a written understanding regarding maintenance. However, the Purchaser shall have the final discretion in this regard and can even ask for a trilateral agreement with the Bidder and the OEM in such cases to ensure timely delivery and maintenance.

If the bidder happens to be a System Integrator (SI), should have a National presence besides meeting the turnover criteria and having a sustained relationship with the O.E.M. in the past. The Bidder (or his OEM) must be able to establish his capability to execute the order(s) by showing satisfactory/ timely delivery, where similar numbers of equipment(s) and its allied accessories are involved.

Either OEM or its authorised reseller(s) only can participate in the bid/tender and if both participates in the bid/tender.

If the bidder offers or reduces their price to supply similar goods, works, or services at a rate lower than the HPSEDC rate contract price (i.e. Basic price + HPSEDC technical charges) to any party in the state during the validity of this rate contract, their rate contract will be terminated without prior notice.

2.2 Cost of Bidding:

2.2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid and H.P. State Electronics Development Corporation Ltd., Shimla (hereinafter referred to as the 'Purchaser' or "HPSEDC" in short) will in no case be responsible or liable for these costs, whether or not the Bid is finally accepted.

2.3   Contents of Tender Document:

     2.3.1   This Tender Document comprises of the following Parts/ Sections.

         Section-1 : Invitation for e-Bids

         Section-2 : Instructions to Bidders

         Section-3 : General Conditions of The Tender & Contract

         Section-4 : Technical Specifications and Maintenance Conditions

         Section-5 : Technical Specifications & Annexures.

2.4   The Bidder is expected to examine the Tender Document carefully. Failure to furnish all information required as per the Tender Document may result in the rejection of the Bid.

2.5   Clarification regarding Tender Document:

     2.5.1 The clarifications/ changes in tender document/ corrigendum can be uploaded by giving up to 7 days for bid submission.

2.6   Amendment of Bids:

     2.6.1 Bids once submitted cannot be amended. However, in some circumstances (such as major anomaly in the technical specifications having a major impact on pricing), the Purchaser may decide to take fresh bids from all the Bidders before actually opening of the Commercial Bids.

     2.6.2 In order to afford prospective Bidders reasonable time to make amendment in their bids, the Purchaser may, at his discretion, extend the deadline for the submission of bids. However, no such request in this regard shall be binding on the Purchaser.

C - PREPARATION OF BIDS

2.7 Language of Bid & Correspondence:

     2.7.1 The Bid will be prepared by the Bidder in English language only. All the documents relating to the Bid (including brochures) supplied by the Bidder should also be in English and the correspondence between the Bidder & Purchaser will be in English Language only. The correspondence by Fax / E-mail must be subsequently confirmed by a duly signed copy (unless already signed digitally).

     2.8   Documents comprising of Bid:

     The Bidder will prepare the bid in two parts.

I. FEE-ELIGIBILITY CLAIM-CUM-TECHNICAL BID:

In support of his eligibility cum technical bid, a Bidder must submit/upload the relevant documents strictly in accordance with Proforma B marked with page numbers on e-portal https://hptenders.gov.in.

Packet-I (Fee/other Eligibility Documents/Technical) (to be uploaded in Packet-1 on e-procurement portal)

II. COMMERCIAL BID:

Commercial Bids of only eligible and technically qualified bidders will be opened as per the date notified by the purchaser on its website (www.hpsedc.in and https://hptender.gov.in). Those technically qualified bidders which have also deposited the tender cost and Bid Security shall be termed as Substantially Responsive (i.e. eligible and technically qualified and have also deposited Bid Security & tender cost). The Tender Committee's determination of a Bid's responsiveness is to be based on the contents of the Bid itself and not on any extrinsic evidence. However, while determining the responsiveness of various Bidders, the Tender Committee may waive off any minor infirmity, which does not constitute a material deviation. The decision of the Tender Committee in this regard shall be final.

The bidder has to submit their Commercial Bids online as per BOQ in Packet-2 on the

e-procurement portal.

*(i)*Sample BOQ / Price Bid will be as per Schedule I.

2.9 Bid Currencies:

2.9.1 Prices shall be quoted in Indian Rupees.

2.9.2 The contract price shall be paid in Indian Rupees.

2.10 Bid Security:

2.10.1 The Bidder shall furnish Bid security, as part of its bid as mentioned hereunder. Any bid submitted without bid security or with the lesser bid amount, as indicated below may be rejected being non-responsive.

Sr. No.	Equipment types	EMD/ Bid security amount in Rupees.
1.	Rate Contract of Servers	Rs. 2,00,000/- (Rupees Two Lakh only)

2.10.2 The Bid Security is required to protect the Purchaser against the risk of Bidder's conduct which may require forfeiture of security pursuant to Para 2.10.8.

2.10.3. The Bid Security shall be submitted online through HP Govt. e-Procurement Portal i.e. https://hptender.gov.in.

2.10.4 Any bid not secured in accordance with Para 2.10.1 and 2.10.3 will be rejected by the Purchaser.

2.10.5 Unsuccessful Bidders' Bid Security will be refunded as promptly as possible.

2.10.6 The successful bidder's Bid Security shall be discharged to the bidder upon finalization of the Rate Contract/ Tender and signing of the agreement.

2.10.7 No interest will be payable by the Purchaser on the above-mentioned Bid Security.

2.10.8 The Bid Security may be forfeited:

1. If a Bidder withdraws its bid during the period of bid validity specified by the bidder and required by the Purchaser.

2. During the tendering process, if a Bidder indulges in any such activity as would jeopardise or unnecessarily delay the tender process. The decision of the Purchaser regarding forfeiture of the Bid Security/EMD shall be final & shall not be called upon question under any circumstances.

3. In the case of a successful Bidder, if the Bidder fails,

(i) to sign the contract by raising issues contrary to the provisions of the RFP or the Bid or undertakings given during evaluation of bids, or

(ii) to furnish Performance Security or

(iii) Violates any of such important conditions of this tender document or indulges in any such activity as would jeopardise the interest of the Purchaser. The decision of the Purchaser regarding forfeiture of the Bid Security shall be final & shall not be called upon question under any circumstances.

2.11 Period of validity of Bids:

2.11.1 For the purpose of placing the order, the Bids shall remain valid for at least 180 days after the date of bid opening. A bid valid for a shorter period may be rejected by the Purchaser as being non-responsive. During the period of validity of Bids, the rates quoted shall not change. However, in case of general fall in prices of a product in the IT/ Electronics Industry before despatch of goods, such a reduction shall be passed on to the Purchaser after mutual negotiations.

2.11.2 In exceptional circumstances, the Purchaser may ask for extension of the period of validity and such a request shall be binding on the Bidder. The Purchaser's request and the response to such a request by various Bidders shall be in writing. A Bidder agreeing to such an extension will not be permitted to increase its rates.

D-SUBMISSION OF BIDS

2.12   Submission of Bids:

2.12.1   Bidder(s) shall submit their bids only on online e-procurement portal www.hptenders.gov.in. All the instructions regarding e-bids submission are also available on www.hptenders.gov.in.

2.13. Deadline for Submission of Bids:

2.13.1   Bids will be online submitted/uploaded on e-procurement portal https://hptenders.gov.in on or before the deadline mentioned on the e-portal.

2.13.2   The Purchaser may, at its discretion, extend this deadline as per Para 2.6.2. The Purchaser may also extend this deadline for any other administrative reason.

2.14. Bids not submitted online:

2.14.1   Any bid not submitted/uploaded through e-portal will not be received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser, as per clause 2.13.1 or 2.13.2, will be rejected.

2.15   Modification and withdrawal of Bids:

2.15.1   E-bids can be modified upto last date & time has not been closed by e-procurement system.

2.15.2   E-Bids cannot be withdrawn in the interval after its submission of bids and before the expiry of Bid's validity specified by the Purchaser. Withdrawal of Bid during this interval may result in the forfeiture of Bidder's Bid security pursuant to clause 2.10.8.

E-BID OPENING AND EVALUATION

2.16. Opening of bids by Purchaser:

2.16.1 The e-Bids shall be opened on the date and time already described in the tender/e-portal or on any other later day and time fixed as per Para 2.6.2 or other enabling provisions in this behalf, in H.P State Electronics Development Corporation Ltd, First Floor, IT Bhawan, Mehli, Shimla-13 (H.P.) in the presence of representatives of the Bidders who may choose to attend the proceedings. The representatives of Bidders will sign a register in evidence of their presence.

2.16.2 In order to assist in the examination, evaluation and comparison of Bids, the Purchaser may at its discretion ask the Bidder for a clarification regarding its Bid. The clarification shall be given in writing, but no change in the price or substance of the Bid shall be sought, offered or permitted.

2.16.3 In the first instance, Eligibility bid documents uploaded on the e-portal will be opened and evaluated for eligibility of each Bidder will be ascertained. Technical Bids of only those Bidders shall be evaluated who are found to be eligible as per the criteria laid down in para 2.2.1/ 2.8 (I) and submitted bid security and tender cost as per Para 2.10. In doubtful cases (where further documents or clarification are required to establish eligibility), the Purchaser in its discretion, may decide to open/evaluate Technical Bid. However, such Bids can be rejected subsequently, if it is found that the bidder has claimed eligibility on false grounds.

2.16.4 The Technical e-Bids of only the Eligible Bidders will be opened and the contents (particularly Fact Sheets) will be announced/ displayed in the presence of all Bidders or their representatives.

2.16.5. Scrutiny of Technical Bid:

The product proposed in the bid document of only eligible bidders will be evaluated as per the requirements specified in the RFP/ Tender Document. The "Fact Sheets" submitted by the Bidders shall be compared against the Product Catalogue and authenticated circulars regarding latest changes in the specifications. It will thus be ascertained whether the product offered by the Bidder matches with the minimum requirement of the Purchaser as given in the Technical Specifications in this Tender Document. In case of a doubt the Purchaser may require the bidder to produce the quoted equipment for physical

inspection and demonstration, so that components could be seen to ascertain the veracity of the Bidder's claim about specifications.

The Tender Committee may undertake oral and or written clarifications with the bidders. The primary function of clarifications in the evaluation process is to clarify ambiguities and uncertainties arising out of the evaluation of the bid documents. The financial bids of only eligible and technically qualified bidders will be opened for further processing. It is, however, clarified that subject to other provisions of this document, every bidder will have to fulfil the minimum technical specifications laid down in this document for being qualified technically. In order to assist in the examination, evaluation and comparison of Bids, the Tender Committee may at its discretion ask the Bidder for a clarification regarding its Bid. The clarification shall be given in writing immediately, but no change in the price shall be sought, offered or permitted. The Technical e-Bids of only the Eligible Bidders will be opened and the contents (particularly Fact Sheets) will be announced in the presence of all Bidders or their representatives. An open discussion regarding technical parameters quoted by various Bidders may also take place, if required. The Compliance/ Deviation statement submitted by the Bidders shall be compared against the Product Catalogues and authenticated circulars regarding latest changes in the specifications. It will thus be ascertained whether the product offered by the Bidder matches with the minimum requirement as given in the Technical Specifications in this Tender Document. The Financial Bids of only those eligible and technically qualified bidders will be opened who also fulfil minimum technical requirements mentioned in this document. However, the Tender Committee reserves the right of giving minor relaxation, if a particular Bidder is not able to exactly match the specifications given in the Tender Document, provided that such a minor deficiency does not substantially reduce the performance level and is suitably compensated by some extra feature in the product. The decision of the Tender Committee about giving minor relaxation shall be final and shall not be called upon question under any circumstances. *The commercial Bids of only those bidders will be opened who fulfils the minimum technical requirements of the purchaser and are found substantially responsive as per Para 2.8 (II) read in conjunction with other relevant*

clauses/Forms. However, the Purchaser reserves the right of giving minor relaxation, if a particular Bidder is not able to exactly match the specifications given in the document, provided that such a minor deficiency does not substantially reduce the performance level and is suitably compensated by some extra feature in the product. Therefore, all Bidders must indicate in the Fact Sheets, deviations, if any, extra features offered by them. The decision of the Purchaser about giving minor relaxation shall be final and shall not be called upon question under any circumstances.

The evaluation committee, if so desire may ask for the demonstration of the quoted solution/products, for which sufficient time will be given for arranging demonstration.

2.16.6. Opening of Bid Security:

The document containing bid security will be opened and checked at the time of determining eligibility of the bidders at the time of eligibility bid opening.

2.16.7. Opening of Commercial Bids of substantially Responsive Bidders:

The Commercial Bids of only those Bidders will be opened who are found substantially responsive. A Substantially Responsive Bidder is one which conforms to all the stipulations of para 2.8 (II and III) read with para 2.16.6 above. The Purchaser's determination of a Bid's responsiveness is to be based on the contents of the Bid itself and not on any extrinsic evidence. However, while determining the responsiveness of various Bidders the Purchaser may waive off any minor infirmity, which does not constitute a material deviation. The decision of the Purchaser in this regard shall be final.

2.16.8 A Bid determined as not substantially responsive will be rejected by the Purchaser. Such a Bid will not be normally allowed to be made responsive subsequently by way of correction/ modification.

2.17. Evaluation and Comparison of Commercial Bids:

2.17.1 The comparison of Commercial Bids shall be done as follows:

2.17.2 Bid Comparison:

The Bidders are required to complete their Commercial Bid/ BOQ in Schedule-I. Initial evaluation/ comparison of items within a Category given in the Tender Document will be done as per clause 2.17.3.

2.17.3. Item Rate:

Item Rate for each item for all will be calculated as under;

Item Rate = FOR Destination Unit Price of the Item under a category including installation charges (if any) with three years' warranty inclusive GST of the Item in a Category.

Note 1:

The Bidder shall not quote prices subject to certain conditions. Bids containing any conditional prices may be rejected or the Purchaser may take a final decision in its discretion about such conditionality.

2.17.4 In the procurements of goods, the following procedure shall be followed:

(i) Among all qualified bids, the lowest bid will be termed as L1. If L-1 is from a local supplier, the contract for full quantity will be awarded to L1.

(ii) If L-1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L-1.

2.17.5 Thereafter, the lowest bidder among the local suppliers, will be invited to match the L-1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of @5% and contract for that quantity shall be awarded to such local supplier subject to matching the L-1 price. In case such lowest eligible local supplier fails to match the L-1 price or accepts less than the offered quantity, the next higher local supplier within the margin of @5% shall be invited to match the L-1 price for remaining quantity and so on, and contract shall be awarded accordingly.

2.17.6 In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

2.18. RANKING OF BIDDERS:

2.18.1 Bidders will be ranked in the inverse order of Item Rate in the Category. The criterion for selection of lowest Bidder (L1) for individual items in all categories.

2.18.2 Reduction in Statutory Duties and Levies:

If any reduction in taxes takes place after opening the commercial bids, but before despatch of goods; the Successful Bidder shall pass on the proportional benefit to the Purchaser. However, if any such reduction takes place after the opening of bids but before the finalisation of tender, revised sealed commercial bids shall be taken.

2.19. NEGOTIATIONS:

2.19.1 The Purchaser may finalise the Tender & award the Contract without any negotiations, if it is satisfied with reasonableness & workability of the lowest offers. Therefore, the bidders are advised to quote lowest possible rates in the first instance only. In case of negotiation, that shall be held with Lowest Ranked (L1) bidder only for a particular item in the Category. The purchaser has the discretion to have rate contract for more than one eligible and technically qualified bidders.

2.19.2 During the negotiations a revised offer will be taken from the representative of the Bidder by way of sealed bids. This revised offer will replace/supersede the earlier Technical & Commercial Bid, provided that the original offer (i.e. Technical/ Commercial) will not be allowed to be changed to the detriment of the Purchaser, as far as rates of every individual item & terms/ conditions are concerned. Therefore, the Bidders are advised to send sufficiently senior representatives (who can take spot decisions) for negotiations.

2.19.4 During the negotiations on prices & other related terms/conditions, prevalent worldwide street-prices of such product, prices finalised in bids of similar size on GEM portal/Other State Government Rate Contract etc. will be kept in mind. The scope of negotiations may also include precise *modus-operandi* of after-sales service, mode of delivery, system integration and price of add-ons & consumables etc.

2.19.5 During the negotiations, the Purchaser may even go in for marginally higher or lower configurations as per its absolute discretion.

2.19.6 After this final ranking is done based on negotiated prices, award of rate contract will be made to the lowest Bidder, subject to post qualification in Para 2.20 below.

F - AWARD OF CONTRACT

2.20 Post Qualification:

    2.20.1 HPSEDC will devise a performance criterion in consultation with successful bidders which will include online after sales feedback from the Government departments. The lowest Bidder can be denied the right of continuing with the contract, if the equipment being supplied by him, fails the standard performance criteria. In such an event, the next lowest bidder (L-2) shall be considered.

2.21 Purchaser's right to vary Quantities:

    2.21.1 The Purchaser reserves the right to place the supply received from various Government departments/ Govt. Institutions/ Autonomous bodies on the approved vendors during the currency of the rate contract.

2.22 Purchaser's Right to accept any Bid and to reject any or all Bids:

    2.22.1 Notwithstanding anything else contained to contrary in this Tender Document, The Purchaser reserves the right to accept or reject any Bid or to annul the bidding process fully or partially or modifying the same and to reject all Bids at any time prior to the award of Contract, without incurring any liabilities in this regard.

2.23 Notification of Award/Rate Contract:

    2.23.1 Prior to the expiry of the period of Bid validity, the Purchaser will notify the successful Bidder in writing by speed post or Fax or email that his Bid has been accepted.

    2.23.2 The liability of the supplier(s) to deliver the Goods and perform the services will commence from the "date of Notification of Award/Rate Contract". The Delivery Period shall be counted from the date of 'Placing the Supply Order'. The "date of delivery" shall be the date on which the equipment / material is received at the destinations.

    2.23.3 Upon the successful Bidders' furnishing of performance security, the purchaser will promptly notify each unsuccessful Bidder and will refund his Bid Security.

2.24 Signing of Contract:

    2.24.1 After the Purchaser notifies the successful Bidder(s) that his 'Bid' has been accepted, the Purchaser will sign an agreement (described as Contract herein after) within 10 days with the successful Bidder on mutually agreed terms for efficacious implementation of the order.

    2.24.2 The Purchaser's liability of taking the goods from the selected supplier(s) shall commence only from date of signing the date of the Contract.

GENERAL CONDITIONS OF THE TENDER &CONTRACT

3.1   Definitions:

3.1.1In this part, the following interpretation of terms shall be taken:

(a)   "The Contract" means an agreement regarding supply of the goods & provision of services entered into between the HPSEDC and the Supplier, as recorded in the Contract Form signed by the parties, including all appendices thereto and all documents incorporated by reference therein.

(b)   "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.

c)   "The Goods" means all the equipment and/or other material, which the Supplier is required to supply to the Purchaser under the Contract.

d)   "Services" mean services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, training, maintenance and other such obligations of the Supplier covered under the Contract.

e)   "The Purchaser" means the H.P. State Electronics Dev. Corporation Ltd"   or "HPSEDC" in short.

f)   "The Supplier", means short listed Bidder supplying the goods and services under this Contract.

g)   "End User" means various Government Departments, Boards, and Corporation etc. in the State of Himachal Pradesh.

Note: The aforesaid definitions will be valid with respect to one or more Suppliers short-listed to execute the Project. Services to be executed by each Supplier have been explained in detail in this Tender Document.

3.2. Application:

3.2.1   These General Conditions shall apply to the extent that these are not superseded specific by provisions in other parts of this tender document. A detailed Contract agreement shall be signed and detailed provisions of such a contract-agreement shall have an over-riding effect vis-a-vis this Tender Document.

3.3 Standards:

3.3.1 The goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications and the latest improvements incorporated after the finalisation of contract, but before the dispatch.

3.4 Patent Rights of the Goods:

3.4.1 The Supplier shall indemnify the Purchaser against all third party claims of infringement of patent, trademark or industrial design rights arising from use of the goods or any part thereof in India.

3.5 Performance Security:

3.5.1 Performance Security for delivery/ installation and maintenance during warranty period.

3.5.2 Within 10 days of 'Award of work order/ supply order', the successful bidder/ Supplier shall initially furnish a 3% Performance Bank Guarantee of total order value valid for T+3 months (where T refers to the duration of the work order/ supply order) to safeguard the purchaser against timely delivery/installation and maintenance of ordered equipment during the currency of the contract.

(1) In case supply orders increases the above-mentioned quantity then 3% amount of each supply order will be deducted as PBG from due payment from bidder & same will be released after expiry of the warranty period or bidder has an option to submit additional PBG against the supply order.

(3) EMD of successful bidder(s) will only be released after finalization of the Tender/ Rate Contract following signing of the agreement.

3.5.3 The proceeds of the Performance Bank Guarantee/ additional Performance Bank Guarantee as Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete his obligations under the Contract. The Purchaser may claim such compensation in addition to initiating any other legal proceedings.

3.5.4 The Performance Bank Guarantee shall be given in one of the following forms:
An irrevocable and unconditional Bank Guarantee in favour of the Purchaser issued by a Nationalised/schedule bank in a format given by the Purchaser. This Bank Guarantee should be of a sufficient duration to cover the risk of the Purchaser.

3.5.5 The Performance Bank Guarantee, regarding delivery & installation will be discharged by the Purchaser and returned to the Supplier not later than 30 days

following the date of completion of the Supplier's performance related obligations, under the Contract (excluding after sales maintenance for which separate performance guarantee has been taken).

3.6   Inspections and Tests:

3.6.1   The Purchaser or its representative shall have the right (if it so desires) to test the goods to ascertain their conformity to the specifications. The Purchaser shall notify to the Supplier in writing of the identity of the representative deputed for this purpose & nature of tests that may be conducted (if found necessary) for bench-marking.

3.6.2   The inspections and tests may be conducted in the factory premises of the Supplier. All reasonable facilities and assistance including access to drawings and production data shall be furnished to the inspecting officers at no charge to the Purchaser. The Contractor shall inform the Purchaser in advance the time of starting of manufacture and the progress of manufacture of the equipments offered by him so that arrangements can be made for inspection at the premises, if so desired by the purchaser.

3.6.3   Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject them, and the Supplier shall either replace the rejected goods or make all alterations necessary to meet specification requirements to the Purchaser.

3.6.4   If the Purchaser decides to conduct the inspection at supplier's premises as per clause 3.6.1 to 3.6.3, no material being furnished against this specification shall be dispatched until inspected and approved by the Purchaser/ or his representative. Such inspection and approval will not relieve the Contractor of full responsibility for furnishing equipment conforming to the specifications nor will it prejudice any claim, right or privilege which the Purchaser may have on account of any loss sustained by it due to defective or unsatisfactory equipment supplied by the contractor. Should the inspection be waived off by the Purchaser, such waiver shall not relieve the contractor in any way from his contractual obligations.

3.6.5   The sample of the proposed Equipment, if desired by the purchaser, to be supplied for approval/testing.

3.6.6   Bidder has to provide the required drivers etc. if essentially required for the quoted equipment/peripherals being supplied.

3.6.8   Bidder has to provide necessary support by providing required drivers for

connecting the hardware devices being used at the user site. All these drivers should be freely available on the OEM website for which necessary links may be provided.

3.6.9 Bidder has to install the patches/upgrades during warranty period at no extra cost.

3.6.10 GUI tools for configuring devices.

3.6.12 Bidder should provide service maintenance of System Software / driver software up-gradations, installing patches etc., at no extra cost during the warranty period.

3.6.13 All drivers' patches required at site are to be arranged by the supplier and should be available on the website of the respective OEM.

3.6.14 The Supplier of software items shall depute its technical person, if end user is facing problem in installation/working of software. On-line support will be made available without any charges to end user.

3.7 Packing Delivery & Documentation:

3.7.1 The supplier shall provide such packing as is required to prevent damage or deterioration of the goods during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitations, rough handling during transit and exposure to extreme temperatures and precipitation during transit and open storage. The Supplier shall be responsible for any defect in packing.

3.7.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as will be specifically provided for in the contract.

3.7.3 Delivery of the goods and associated documentation will be done in such manner as may be prescribed by the Purchaser in the Contract.

3.8 Insurance:

3.8.1 The Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.

3.8.2 The supplier will indemnify the Purchaser from all responsibility of compensation etc. caused by third party injury including death while he is discharging his duties under the contract.

3.9 Transportation:

3.9.1 The entire cost of carriage/transportation from the point of discharge to the destination shall be borne by the Supplier.

3.9.2 Where the Supplier is required to affect delivery to some other address within Himachal Pradesh, the supplier shall be required to meet all transport and storage expenses until delivery is completed.

3.10 Literature and Instruction:

3.10.1 Each supplied equipment(s) packing box must contain copy of illustrated literature and instruction books regarding the installation, handling, maintenance and use of the Goods at each station shall be supplied by the supplier as part of the Contract price before dispatch of the first assignment.

3.11 Payment:

3.11.1 **First Instalment:** First Instalment shall be paid after delivery of the Goods at the prescribed destinations. Amount of 1st instalment shall be regulated in such a manner that the total payment after delivery is 85% of the order value. A claim for first instalment shall be staked by the Supplier, when he has supplied adequate number of machines. The first installment of 85% will be paid only after receipt of duly acknowledged delivery challans & invoice, as required by the Purchaser.

3.11.2 **Second Instalment:** Remaining amount of 15% of the order value shall be paid after satisfactory installation of equipments and execution of Performance Guarantee for proper maintenance during warranty period as mentioned at Clause 3.5. If the installation is delayed beyond 45 days on account of site not being ready (or any other reasons entirely attributable to the Purchaser) or any other reason attributable to the Purchaser, $^2/_3$ of the second instalment (i.e., 10% of the order value) shall be released to the Supplier subject to submission of site not ready (SNR) report from concerned department. In such an unlikely event of the site not being ready, the remaining amount $^1/_3$ of the second instalment (i.e., 5% of order value) will be released after submission of successful installation reports of the ordered equipment(s) duly singed by the competent authority of the department(s).

Note: *First & second instalments shall be released only on production of bill supported by delivery challan and installation report by the Supplier. Any bill supported by requisite documents will be processed and objections, if any, will be conveyed in one go. If the claim is found in order, the payment will be made accordingly as per the funds released from the End User Department.*

3.12 Prices:

3.12.1 Subject to the provision to Rule 2.11.1, the prices charged by the Supplier for Goods delivered and services performed under the Contract shall not vary from the prices quoted by the Supplier in his Bid. But in case of global or national fall in prices of a product in IT/ Electronics industry due to a change in Government Policy or otherwise, such a reduction shall be passed on to the Purchaser after mutual negotiations.

3.12.2 There shall be no effect of the exchange rate variation etc., on the rates to be quoted by the Vendor during two-year period. However, if rates will increase/ decrease, HPSEDC will call techno-commercial bids from the empanelled bidders on requests received from them.

3.13 Modification in the Order:

3.13.1 The Purchaser may at any time, by written order given to the Supplier make changes within the general scope of the Contract in anyone or more of the following:

(a) The specifications of the Goods

(b) The method of shipment or packing

(c) The service to be provided by the Supplier

(d) Quantity of goods

(e) Any other change that the purchaser may deem fit

3.13.2 If any such change causes an increase or decrease in the cost of, or the time required for the Supplier's performance of any part of the work under the Contract, an equitable adjustment shall be made in the Contract price or delivery Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be put forth within 30 days from the date of the Supplier's receipt of the Purchaser's change order.

3.14 Subcontract:

3.14.1 The Supplier shall not assign in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

3.14.2 The Supplier shall notify the Purchaser, in advance in writing, of all sub-Contracts awarded under the Contract if not already specified in his bid. Such notification, in his original bid of later (even if with prior approval of Purchaser) shall not relieve the Supplier of any liability or obligations under the Contract.

3.14.3 Subcontracts must comply with the provisions of the clause 2.3.

3.15 Delays in the Supplier's Performance:

3.15.1 Delivery of the goods and the performance of services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser in the Contract.

3.15.2 Any unjustifiable delay by the Supplier in the performance of his delivery obligation may render the Supplier liable to any or all the following:

(i)   forfeiture of its performance security,

(ii) imposition of liquidated damages @Rs 50/- per day per Server of the unfulfilled order. The maximum penalty will not exceed 10% of the equipment cost.

(iii) termination of the contract and risk purchase at Supplier's risk

(iv) initiation of any other legal proceedings.

3.15.3 The Supplier will strictly adhere to the time-schedule for the performance of Contract. However, the Purchaser can relax this time limit in force majeure conditions.

3.16 Termination for Default:

3.16.1 The Purchaser may without prejudice to any other remedy for breach of contract, (including forfeiture of Performance Security) by written notice of default sent to the supplier, terminate the Contract in whole or in part after sending a notice to the Supplier in this regard.

  (a) if the Supplier fails to deliver any or all of the goods within the time period(s) specified in the Contract, or any extension thereof granted by the Purchaser pursuant to clause 2.11.2, or

  (b) if the Supplier fails to perform any other obligation under the Contract.

3.16.2 In the event the Purchaser terminates the Contract in whole or in part, he may procure, upon such terms in such manner, as it deems appropriate, goods similar to those undelivered, and the Supplier shall be liable to pay excess cost of such similar goods to the Purchaser. This liability will be in addition to forfeiture of performance guarantee and any other legal proceedings, which the Purchaser may initiate as per Para 3.15.2.

3.17 Force Majeure:

3.17.1 Notwithstanding the provisions of the clauses 3.15 and 3.16, the Supplier shall not be liable for forfeiture of its performance security or termination for default, or payment of any damages, if and to the extent that his delay in performance under

the Contract is the result of an event of Force Majeure.

3.17.2 For purpose of this clause, Force Majeure means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser either in its sovereign or contractual capacity, war, revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

3.17.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing or such conditions and the cause thereof within 7 days of occurrence of such event. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract, as far as reasonably practical, and shall seek all reasonable alternative means for performance, not prevented by the *Force Majeure* event.

3.18 Taxes and Duties:

3.18.1 Supplier shall be entirely responsible for payment of all taxes, duties and levies, imposed up to/until the delivery point specified in the Contract. If there is a reduction in any of the statutory duties and levies before the despatch of goods, the benefit of the same will be passed on to the Purchaser.

3.19 Limitation of Liablitiy:

The liability of the supplier in respect of all claims under this tender including penality for delay in delivery, services, liquidity damages etc. shall not exceed the aggregate value of the goods and services supplied under this tender. Either party shall not be liable for any claim made for any indirect, consequential or incidental losses and indirect damages, costs or other expenses related thereto.

3.20 Arbitration:

All disputes, differences, claims and demands arising under this tender shall be refered to arbitration of a sole arbitrator to be appointed with mutual consent of both the parties. All arbitration will be held in Shimla. If the parties cannot agree on the appointment of the Arbitrator within a period of one month from the notification by one party to the other of existence of any dispute and need for appointment of an arbitrator. Further action will be taken in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the award made under this tender shall be final and binding upon the parties hereto, subject to legal remedies available under the law.

<p style="text-align:center">SECTION-4</p>

<p style="text-align:center">TECHNICAL SPECIFICATIONS AND MAINTENANCE CONDITIONS</p>

4.1. SCOPE OF THE TENDER:

The successful Bidder(s) will provide the following services:

(i) Manufacture /Import (ii) Testing (iii) Supply (iv) Installation (v) After Sales Service during warranty and Annual Maintenance period.

(i) Manufacture/Import.

The OEM/ Bidder can manufacture the Goods in India or import the same (in full or in parts) from any part of the world.

(ii) Testing.

Testing/ Benchmarking as per requirement of the Purchaser and in such manner and for such size of sample as may be prescribed subsequently may be got done as a part of the Contract.

(iii) Supply

The Goods need to be supplied F.O.R. as per the list of destinations to be supplied at the time of signing the Contract.

(iv) Installation and Commissioning of equipment(s): The successful bidder of respective equipments will do installation and ensure that the equipment supplied works/run properly.

(v) After-Sales-Services

The Supplier will open Own/Authorised Service Centre in Himachal Pradesh for the maintenance of equipment(s) supplied under this tender. Similarly, the supplier shall keep equipments as spare (as finalised of RC to be mutually decided), to provide immediate replacement, with the service centre during the warranty period. It will be desirable that minor functional problems of these equipments are taken care of by the service centre only. In case of major & specific problems, respective vendors will have to rectify the defect within the time-limits prescribed in Para 4.2.2 below, otherwise must have to replace with the new one.

4.2 AFTER SALES SERVICES:

4.2.1 Comprehensive Warranty:

The Supplier shall provide Comprehensive OEM warranty (including labour and spares) for 36 calendar months. The warranty shall cover the System Software, Labour and all the hardware parts including updation/ upgradation (free of cost) of the Operating System. An undertaking to this effect shall be given by the Bidder in the Fact Sheets. The supplier of Items shall ensure genuine add-ons items & consumables for the items sold in the state for their own brand.

4.2.2 Service Centre:

The Service Centres in the State shall be manned by qualified Engineers as per Clause 4.1(v) above and one call coordinator. It will be equipped, with sufficient inventory of spares as per ABC Analysis. The supplier will provide prompt after sales support and shall attend any complaint not later than 24 hours. The minor and major defects shall be rectified not later than 36 hours and 60 hours respectively. If defect is not rectified within the time stipulated as above penalty as prescribed by the Purchaser will be imposed. However, the penalty in such instances shall not exceed 10% of the equipments cost against a non-attendance/ non-rectification of defects against a service call. The exact quantum of penalty per day shall be @ Rs. 50 per day. During the warranty period, this penal clause will be enforced by ensuring that the supplier gives a Performance Security by way of Bank Guarantee to the Purchaser.

4.2.3 Inventory of Spares:

An ABC analysis of inventory of spares shall be done by the Purchaser in consultation with the supplier to ensure that all critical spares/ components apart from the 1% inventory of new equipments for replacement purposes (if equipment are beyond repair within 24 hours) are available with the Service Centres in sufficient quantity.

4.2.4 The amount of non-delivery of products as mentioned in Clause No. 3.15: **Delays in the Supplier's Performance** and Clause No. **4.2: After Sale Services** or any other recoverable amount from bidder(s) may be adjusted/ recovered or set-off against any sum payable to the bidder against any other contract with HPSEDC or with State Government. The amount shown against that shall be withheld to be adjusted against the compensation levied as mentioned above. Recovering or deducting of this amount on failure of delivery/ delay in delivery or not providing services in time

bound manner, shall be automatic deducted without any notice to the concerned bidder.

The Managing Director, HPSEDC, will reserve the right to relax/ decrease the penalties or release recovered amount without giving any interest to the bidder(s), after receiving justified/ reasonable reasons from the bidder(s).

4.3 TECHNICAL SPECIFICATIONS:

4.3.1   The Technical Specifications have been given in Annexure-I in Section-5. These specifications should be carefully studied by the Bidder, so that the product could be technically evaluated as per the Purchaser's requirement.

4.4. FACT SHEETS:

(i)   Fact Sheets as per Annexure-I Section 5 are to be filled in by the bidders as part of the Bid. These Fact Sheets should be complete in all respects and should be free from errors and omissions. All required parameters must be replied to in affirmative/ negative. In case of any difference between fact sheets (in Section – 4) and the specifications given in Annexure - I of Section - 5, the latter shall prevail.

(ii)   The Bidder shall also supply along with the Bid all brochures and authenticated bulletins carrying latest changes covering the technical aspects of each item appearing in schedule of requirement intended to be supplied by the Bidder. For the purpose of establishing latest changes, printouts downloaded from INTERNET (& duly authenticated) may be acceptable.

5. Acceptance Testing After Notification of Award:

i.   The Purchaser may conduct benchmarking & acceptance test, which could involve operation of complete system for at least two consecutive days. The Supplier(s) will provide full assistance in this regard. Partial delivery/ installation/ testing of hardware/ system software will not be permissible for acceptance/ payment. The criteria for benchmarking/ acceptance will be conveyed separately.

PROFORMA- A
(Declaration by the O.E.M.)
[Para 2.8(I)(ii)]

To Date:

        The Managing Director,
        H.P. State Electronics Development Corporation Ltd.,
        1st Floor, IT Bhawan, Mehli, Shimla- 171013.

Subject: Authorisation to a distributor for tender No: ***HPSEDC/RC-Server/2K26-10833***

Dear Sir,

Please refer to your Notice Inviting Tenders for Rate Contract of Servers published in in at least two daily news papers for wider publicity.
M/s _____(Bidder), who is our reliable distributor for the last _____years, is hereby authorised to quote on our behalf for this prestigious tender. M/s _____(Bidder)is likely to continue as our business partner during years to come. We undertake the following regarding the supply of these equipments/ peripherals etc.

1. The Machines supplied in this tender shall be manufactured by us as per the specifications required by the Purchaser. M/s _____ (Bidder) shall not be allowed to do any hardware integration on our equipment.

2. It will be ensured that in the event of being awarded the contract, the Servers will be delivered by M/s_____(Bidder) & maintained by M/s _____ (ASP) properly as per the conditions of the contract. For this purpose, we shall provide M/S _____ necessary technical support including technical updates, & spares to the ASP. If M/s _____ fails to maintain the equipments for any reason what-so-ever, we shall make alternative arrangements for proper maintenance of these equipment(s) during the warranty period. During the period of 3 years' warranty, we shall provide full support back up to the Bidder/ASP. On the whole, it shall be ensured that the clauses regarding service and maintenance of Machines do not get diluted in implementation due to non-availability of spares and lack of technical inputs from our side even during AMC/extended warranty period.

3. If due to any reason whatsoever, the tie up between our Company & M/s _____ (Bidder) or M/s_____ (ASP) breaks down subsequently, we shall make necessary alternatives arrangements for honouring the terms of the contract.

       Yours very truly,

                        Name :_____
                        Designation   :_____
                        Company   :_____

PROFORMA-B
[Para 2.8 (II)(i)]

I. Financial Parameters
   1. Net worth as on 31-03-23, 31-03-24 & 31-03-2025

   2. (PBT) Profit before taxes for the last three years.

   3. (PAT) Profit after taxes for the last three years.

   4. Income Tax Return for the last three years.

   5. Equity Base

   6. Premier contributors to Equity including Promoter's Contribution.

   7. Turn-over during the last 3 financial years.

II. Growth Profile
   (i) Percentage increase in
   t/o from 2021-22 to 2022-23
   (ii) Percentage increase in
   t/o from 2022-23 to 2023-24
   (iii) Percentage increase in
   t/o from 2023-24 to 2024-25

   III. Installation Base and Regional Spread

III. Customer Support and Service.
   (i) Number of engineers and their qualification

Sr. No.	Qualification	Numbers ($)	Experience	Break Up	Special Attributes *
1.	B.Tech and above				
2.	Diploma Holders				
3.	Others				

   (ii) Inventory of critical components maintained at _____
   • Give special attributes such as Microsoft Certified etc.
   • $ Indicate number of Engineers in Himachal Pradesh / Chandigarh

PROFORMA-C
[Para 2.8(II)(ii)]

(i) DETAILS OF EQUIPMENTS BASE SUPPLIED DURING THE LAST 3 YEARS.

Sr. No.	Organisation ($)	Number of Servers supplied and installed	Value	Date of Order	Current Status
1.					
2.					
3.					
4.					
		<Total>	<Total>		

* Give latest position regarding installation and arrangement for after sales support.

$ Give telephone/ fax No./email-id and address of the contact persons

(ii)   Certificate from five prominent Government/Semi Govt./PSUs/Autonomous bodies of Centre/State Govt. institutions, duly signed and stamped by the authorized officers of the end user department clearly indicating name, address and contact number regarding satisfactory supply, installation and after sale support during warranty period.

Sr. No.	Name, Address, Contact Number of the End user deptt.	Number of Servers supplied/ installed	Supplied/ Installed (Yes/No)	Date of Supply/ Installation
1.				
2.				
3.				
4.				

FORM-D

DECLARATION REGARDING ACCEPTANCE OF TERMS & CONDITIONS CONTAINED
IN THE TENDER DOCUMENT

To

        The Managing Director,
        H.P. State Electronics Development Corporation Ltd.,
        1st Floor, IT Bhawan, Mehli, Shimla-171013.

Sir,

I have carefully gone through the Terms & Conditions contained in the Tender Document [No.: *HPSEDC/RC-Server/2K26-10833*] regarding procurement of Servers for Rate Contract by HPSEDC. I declare that all the provisions of this Tender Document contained in Section-1 to Section-5 and subsequent corrigendum(s)/ clarifications issued from time to time are acceptable to my Company/firm. I further certify that I am an authorised signatory of my company and am, therefore, competent to make this declaration.

        Yours very truly,

        Name: _____

        Designation: _____

        Company: _____

        Address: _____

Contact No: Email-id:

<p style="text-align:center">FORM-E</p>

<p style="text-align:center">DECLARATION REGARDING PAST PERFOMANCE</p>

To

The Managing Director,
H.P. State Electronics Development Corporation Ltd.,
1st Floor, IT Bhawan, Mehli, Shimla-13.

Sir,

I have carefully gone through the Terms & Conditions contained in the Tender Document [No. *HPSEDC/RC-Server/2K26-10833*] regarding Rate Contract of Servers by HPSEDC. I hereby declare that my company has not been debarred/blacklisted by any Government / Semi Government organizations for quality/ service products nor is there any pending dispute regarding short shipment/ installation/service. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours truly,

Name: _____

Designation: _____

Company: _____

Address: _____

Contact No:

Email-id:

SCHEDULE - I
SAMPLE OF PRICE SCHEDULE/BOQ
[Para 2.8 (III)(i)]
(to be completed by bidder as per the format available on e-procurement portal
https://hptenders.gov.in)

Sl. No.	Item Description	Qty	BASIC RATE with installation (if any) and three years warranty In **Figures** To be entered by the **Bidder** in **Rs. P**	GST Amount in percentage (%)	GST amount in **Rupees** **Rs. P**	Unit Price with GST **Rs. P**	TOTAL AMOUNT Without Taxes with three-year warranty **Rs. P**	Gross Bid Value Inclusive installation and Taxes (for three-year onsite OEM warranty) **Rs. P**	TOTAL AMOUNT In Words
PRICE SCHEDULE (DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY) (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)									
1.	*Item No. 1 – Single-Socket, Entry-Level Enterprise Rack Server*	*1*							
2.	*Item No. 2 - Dual-Socket, Mid-Range Enterprise Rack Server*	*1*							
3.	*Item No 3 – Dual-Socket High-End Enterprise Rack Server*	*1*							
4.	*Item No. 4 – Tower Server*	*1*							
5.	*Item No. 5 - Blade Chassis*	*1*							
6.	*Item No. 6 - SAN Storage (100TB)*	*1*							
7.	*Item No. 7 – NVMe Storage*	*1*							
8.	*Item No. 8 – SAN Switch*	*1*							

9.	*Item No. 9 – Purpose-Built Appliance Storage*	*1*							
10.	*Item No. 10 – Backup Software*	*1*							
11.	*Item No. 11 – Virtualization Software*	*1*							
12.	*Item No. 12 – AMD Workstation*	*1*							
Total in Figures							**0.00**	**0.00**	INR Zero Only
Quoted Rate in Words		**INR Zero Only**							

Note: If needed be, for the solution-based items asked through this bid, HPSEDC can ask for the bifurcated cost at any time during the validity of this rate contract.

SECTION- 5

TECHNICAL SPECIFICATIONS

ANNEXURES

Tender Document No:

HPSEDC/RC-Server/2K26-10833

NB: Final specifications uploaded after pre-bid meeting. Please visit our web-sites www.hpsedc.in & https://hptenders.gov.in for latest amendments or notices in reference to this tender.

ANNEXURE-I

SECTION – V
TECHNCIAL SPECIFICATIONS ANNEXURES

The specification mentioned hereunder are bare minimum requirement. Bidders are encouraged to offer better specifications in this bid or subsequently during the period of rate contract. **The onsite warranty of all these equipment(s) should be three years.**

Item No. 1 – Single-Socket, Entry-Level Enterprise Rack Server

S.No	Parameter	Required Specification	Compliance (Yes/ No)
		MAKE	
		MODEL	
1.	Chassis	1U Rack-mountable Chassis	
		Tool-less rail kit	
2.	Processor	One (1) x x86-64 server-grade processor	
		Intel Xeon Scalable or AMD EPYC	
		Minimum 24 physical cores	
		Base clock speed ≥ 2.0 GHz	
		Support for hardware virtualization and AES-NI	
3.	GPU Support	Support for minimum one (1) and up to two (2) single-wide, low-profile, data-center class GPUs.	
		GPU support subject to OEM thermal and power design	
4.	Memory	Support for minimum 12 DIMM slots	
		DDR5 registered ECC (RDIMM) memory	
		Supplied with minimum 64 GB RAM	
		Memory speed ≥ 5200 MT/s	
		Scalable up to minimum 2.0 TB, subject to processor and chipset limits	
5.	Memory protection	Advanced ECC	
		Double device data protection (ADDDC or equivalent)	
6.	Expansion Slots	Minimum 2 × PCI Express Gen5 x16 slots 2 × OCP 3.0 compliant slots (or equivalent)	
7.	Boot Storage	2 x 480 GB M.2 NVMe storage	
		Configured in RAID-1 (Hardware or OEM-supported software RAID)	

8.	Data Storage	3 x 1.92 TB Enterprise-grade NVMe SSDs	
		Suitable for mixed-use workloads	
9.	Storage Controller	Enterprise-class RAID/HBA solution supporting: • RAID 0, 1, 10, 5, 6, 50, 60 for SAS/SATA drives • NVMe RAID via OEM-supported NVMe RAID or software RAID	
		Cache memory ≥ 8 GB, flash-backed or equivalent	
		Support for RAID and HBA mode operation	
10.	Networking	Supplied with • 1 GbE-4-port Ethernet adapter • 10 GbE-2-port Ethernet adapter	
		Dedicated 1 GbE management port	
11.	Interfaces	USB ports: Minimum 4 (front/rear/internal combination)	
		Serial port (optional)	
		VGA or equivalent video output	
12.	Power Supply	Hot-plug redundant power supplies	
		Minimum 96% efficiency (80 PLUS platinum or high)	
13.	Cooling	Redundant hot-plug system fans	
14.	Industry Standards & Complaince	Server should support: • ACPI 6.x • PCIe Gen5 • PXE and Wake-on-LAN • IPMI 2.0 • Redfish API • SNMP v3 • TLS 1.2 or higher • Energy Star or equivalent • DMTF SMASH CLP • ASHRAE A3/A4 compliance	
15.	System Security	Trusted Platform Module (TPM 2.0)	
		UEFI Secure Boot	
		Hardware-based Root of trust or equivalent	
		Digitally signed firmware updates	
		Firmware rollback and secure recovery capability	
		NIST SP 800-88 compliant secure erase	
		Support for self-encrypting drives (SED_	
		Chassis intrusion detection	
16.	Operating System Support	Windows Server	
		Red Hat Enterprise Linux (RHEL)	
		SUSE Linux Enterprise Server (SLES)	
		VMware ESXi	
		Canonical Ubuntu	
		Oracle Linux/ Oracle KVM	
17.	Virtualization	Compatible with industry-standard hypervisors	
		Virtualization software, if supplied, shall be:	

S.No	Parameter	Required Specification	Compliance (Yes/ No)
		•OEM/ ISV supported	
		•Licensed as per CPU cores or sockets	
		• Capable of hosting multiple virtual machines as per license terms	
18.	Embedded Remote Management	Browser-based (HTML5) remote console	
		Virtual media support	
		Power control and monitoring	
		Dedicated out-of-band management port	
		Agentless management	
		Role-based access control	
		Multi-factor authentication support	
		RESTful API integration	
		Firmware update and rollback capability	
19.	On-Prem & Cloud Management	OEM-supplied server management software	
		Centralized dashboard for health monitoring	
		Firmware baseline and compliance reporting	
		Zero-Touch Provisioning support	

		Integration with
		    • VMware vCenter
		    • Microsoft System Center/ Admin Center	

		Proactive hardware failure alerts	
20.	Sustainability & AI Operations	Energy usage and carbon footprint reporting	
		Predictive analytics for capacity, power and failures	
		Threshold-based alerting	
		Multi-tenant management support	
		Map-based global visibility of server health	
21.	Certification	BIS	

Item No. 2 - Dual-Socket, Mid-Range Enterprise Rack Server

S.No	Parameter	Required Specification	Compliance (Yes/ No)
		MAKE	
		MODEL	
1.	Chassis	2U rack-mountable enterprise server chassis	
		Tool-less rails	
2.	Processor (CPU)	Two (2) x x86-64 server-grade processors	
		Intel Xeon Scalable or AMD EPYC	

		Each processor with
		    • Minimum 32 physical cores
		    • Base clock ≥ 2.0 GHz	

		Support for hardware virtualization, AES-NI, and NUMA	
3.	GPU Support	Support for	

		• Up to two(2) double-wide GPUs, or • Up to four (4) single-wide, half-length GPUs	
		GPUs to be data-center class	
		GPU support subject to OEM thermal and power design	
4.	Memory	Support for minimum 24 DIMM slots	
		DDR5 registered ECC (RDIMM) memory	
		Supplied with minimum 256 GB RAM	
		Memory Speed ≥ 5600 MT/s (or highest supported by CPU)	
		Scalable up to minimum 4.0 TB, subject to processor and chipset limits	
5.	Memory Protection	Advanced ECC	
		Memory mirroring or equivalent	
		Memory Scrubbing (patrol and demand)	
		Fast fault tolerance or equivalent	
6.	Expansion Slots	Support for minimum six (6) PCI Express Gen 5 x 16 slots	
		Slots may be full-height or low-profile as per chassis design	
7.	Boot Optimized Storage	2 x 960 GB M.2 NVMe	
		Hot-plug where supported	
		Configured in RAID-1 (hardware or OEM-supported software RAID)	
		Support for self-Encrypting Drives (SED)	
8.	Data Storage	3 x 1.92 TB Enterprise-grade NVMe SSDs	
		Suitable for mixed-use workloads	
9.	Storage Controller	Enterprise-class RAID/HBA solution supporting • RAID 0,1,10,5,6,50,60 for SAS/SATA drives • NVMe drives supported via OEM-supported NVMe RAID (VROC or software RAID)	
		Cache memory ≥ 8 GB, flash-backed or equivalent	
		Support for RAID and HBA mode operation	
10.	Networking	Server to be supplied with: • 1 GbE – 4-port Ethernet adapter • 10 GbE – 2-port Ethernet adapter • 32 Gb Fibre Channel – 2-port HBA • Dedicated 1 GbE out-of-band management port	
11.	Interfaces	VGA port: 1 year	
		USB ports: Minimum 5 (front/rear/internal combination)	
		Dedicated management network interface	
12.	Power Supply	Hot-plug redundant power supplies	
		Minimum 96% efficiency (80 PLUS Platinum or higher)	
13.	Cooling	Redundant hot-plug system fans	

14.	Industry Standards & Compliance	Server must support: •ACPI 6.x •PCIe Gen5 •PXE and Wake-on-LAN •USB 3.x •UEFI Class 3 •TPM 2.0 •Energy Star or equivalent •SMBIOS 3.x •Redfish API •IPMI 2.0 •SNMP v3 •TLS 1.2 or higher •DMTF Redfish Secure Boot Key Management •ASHRAE A3/A4 compliance	
15.	System Security	TPM 2.0	
		UEFI Secure Boot	
		Hardware-based Root of Trust or equivalent	
		Digitally signed firmware updates	
		Firmware rollback and secure recovery capability	
		NIST SP 800-88 compliant secure erase	
		Support for self-encrypting drives (SED)	
		Chassis intrusion detection	
		Secure supply-chain assurance practices	
16.	Operating System Support	Windows Server	
		Red Hat Enterprise Linux (RHEL)	
		SUSE Linux Enterprise Server (SLES)	
		VMware ESXi	
		Canonical Ubuntu	
		Oracle Linux / Oracle KVM	
17.	Virtualization	Compatible with industry-standard hypervisors	
		Virtualization software, if supplied, shall be: 1. OEM / ISV supported 2. Licensed as per CPU cores or sockets 3. Capable of hosting multiple virtual machines as per license terms	
18.	Firmware Security	Secure firmware repository for rollback and recovery	
		Factory-tested recovery image support	
		Scheduled firmware integrity verification	
		Automated recovery on detection of compromised firmware	
		Centralized security status dashboard	
19.	Embedded Remote Management	HTML5 browser-based remote console	
		Virtual media support	
		Power control and power capping	
		Dedicated out-of-band management port	
		Agentless management	
		Role-based access control	

S.No	Parameter	Required Specification	Compliance (Yes/No)
		Multi-factor authentication support	
		RESTful API Integration	
		Remote firmware update and rollback	
20.	Server Management (On-Prem)	OEM-supplied server management software	

		Centralized dashboard displaying:
		        1.Server profiles
		   2. Hardware health
		   3.Alerts & Events	

		Role-based access control	
		Zer-Touch Provisioning (ZTP)	

		Integration with:
		   • VMware vCenter/ vRealize
		   •Microsoft System Center/ Admin Center	

		Predictive hardware failure alerts	
		Firmware baseline and compliance reporting	
21.	Cloud-Enabled Monitoring & Management	Centralized cloud-based management (subscription-based)	
		Remote monitoring irrespective of server location	
		Firmware lifecycle management with 1.Delta-only updates 2. Group-based scheduling 3. Rollback on failure	
		OS deployment and configuration policies	
		REST API support	
22.	Identity & Access Management	Unified identity management	
		Role-based access control (RBAC)	
		Single sign-on (SSO)	
		Resource-level restriction policies	
23.	Sustainability & AI Operations	Energy usage and carbon footprint reporting	
		Predictive analytics for energy, capacity, and failures	
		Threshold-based alerting	
		AI-driven operational insights	
		Multi-tenant management support	
		Map-based global visibility	
		Multi-vendor server monitoring	
24.	Certification	BIS	

Item No 3 – Dual-Socket High-End Enterprise Rack Server

S.No	Parameter	Required Specification	Compliance (Yes/ No)
		MAKE	
		MODEL	
1.	Chassis	Enterprise-grade rack-mountable chassis (2U or higher, as per OEM design)	
		Tool-less rails	
2.	Processor (CPU)	Two (2) x x86-64 server-grade processors	

		Intel Xeon Scalable or AMD EPYC	
		Each processor with • Minimum 64 physical cores • Base clock ≥ 2.0 GHz	
		Support for NUMA, hardware virtualization, AND AES-NI.	
3.	GPU Support	Support for • Up to two(2) double-wide GPUs, or • Up to four (4) single-wide, half-length GPUs	
		GPUs to be data-center class	
		GPU support subject to OEM thermal and power design	
4.	Memory	Support for minimum 32 DIMM slots	
		DDR5 registered ECC (RDIMM) memory	
		Supplied with minimum 256 GB RAM	
		Memory Speed ≥ 5600 MT/s (or highest supported by CPU)	
		Scalable up to minimum 4.0 TB, subject to processor and chipset limits	
5.	Memory Protection	Advanced ECC	
		Memory mirroring or equivalent fault-tolerance mechanism	
		Memory Scrubbing (patrol and demand)	
6.	Expansion Slots	Support for minimum six (6) PCI Express Gen 5 x 16 slots	
		Slots configuration as per chassis design	
7.	Boot Optimized Storage	2 x 480 GB M.2 NVMe	
		Hot-plug where supported	
		Configured in RAID-1 (hardware or OEM-supported software RAID)	
		Support for self-Encrypting Drives (SED)	
8.	Data Storage	3 x 3.84 TB Enterprise-grade NVMe SSDs	
		Suitable for high-performance and mixed-use workloads	
9.	Storage Controller	Enterprise-class RAID/HBA solution supporting • RAID 0,1,10,5,6,50,60 for SAS/SATA drives • NVMe drives via OEM-supported NVMe RAID or software RAID	
		Cache memory ≥ 8 GB, flash-backed or equivalent	
		Support for RAID and HBA mode operation	
10.	Networking	Server to be supplied with: • 1 GbE – 4-port Ethernet adapter • 10/ 25 GbE – 2-port SFP adapter (with compatible transceivers) • 32 Gb Fibre Channel – 2-port HBA • Dedicated 1 GbE out-of-band management port	
11.	Interfaces	USB ports: Minimum 4 (front/rear/internal	

		combination)	
		Dedicated management network interface	
12.	Power Supply	Hot-plug redundant N+1 power supplies	
		Low-halogen design	
		Minimum 96% efficiency (80 PLUS Platinum or higher)	
13.	Cooling	hot-plug redundant fan assemblies	
14.	Industry Standards & Compliance	Server must support: •ACPI 6.x •PCIe Gen5 •PXE •UEFI Class 3 •TPM 2.0 •Energy Star or equivalent •SMBIOS 3.x •Redfish API •IPMI 2.0 •SNMP v3 •TLS 1.2 or higher •DMTF SMASH CLP •ASHRAE A3/A4 compliance	
15.	System Security	TPM 2.0	
		UEFI Secure Boot	
		Hardware-based Root of Trust or equivalent	
		Digitally signed firmware updates	
		Firmware rollback and secure recovery capability	
		NIST SP 800-88 compliant secure erase	
		Support for self-encrypting drives (SED)	
		Chassis intrusion detection	
		Secure supply-chain assurance practices	
16.	Operating System Support	Windows Server	
		Red Hat Enterprise Linux (RHEL)	
		SUSE Linux Enterprise Server (SLES)	
		VMware ESXi	
		Canonical Ubuntu	
		Other enterprise Linux distributions supported by OEM	
17.	Virtualization	Compatible with industry-standard hypervisors	
		Virtualization software, if supplied, shall be: 1. OEM / ISV supported 2. Licensed as per CPU cores or sockets 3. Capable of hosting multiple virtual machines as per license terms	
18.	Firmware Security	Secure firmware repository for rollback and recovery	
		Factory-tested recovery image support	
		Scheduled firmware integrity verification	
		Automated recovery on detection of compromised firmware	

		Centralized security status dashboard	
19.	Embedded Remote Management	HTML5 browser-based remote console	
		Virtual media support	
		Power control and monitoring	
		Dedicated out-of-band management port	
		Agentless management	
		Role-based access control	
		Multi-factor authentication support	
		RESTful API Integration	
		Remote firmware update and rollback	
20.	Server Management (On-Prem)	OEM-supplied server management software	
		Centralized dashboard displaying: 　1.Server profiles 　2. Hardware health 　3.Alerts & Events	
		Role-based access control	
		Zer-Touch Provisioning (ZTP)	
		Integration with: 　• VMware vCenter/ vRealize 　•Microsoft System Center/ Admin Center	
		Predictive alerts for CPU, memory and storage	
		Firmware baseline and compliance reporting	
21.	Cloud-Enabled Monitoring & Management	Subscription-based cloud management option	
		Centralized monitoring irrespective of server location	
		Firmware lifecycle management with 1.Delta-only updates 2. Group-based scheduling 3. Rollback on failure	
		OS deployment and configuration policies	
		REST API support	
22.	Identity & Access Management	Unified identity management	
		Role-based access control (RBAC)	
		Single sign-on (SSO)	
		Resource-level restriction policies	
23.	Sustainability & AI Operations	Energy usage and carbon footprint reporting	
		Predictive analytics for energy, capacity, and failures	
		Threshold-based alerting	
		AI-driven operational insights	
		Multi-tenant management support	
		Map-based global visibility	
		Multi-vendor server monitoring	
24.	Certification	BIS	

Item No. 4 – Tower Server

S.No	Parameter	Required Specification	Compliance (Yes/No)
		MAKE	
		MODEL	
1.	Form Factor/ Chassis	Enterprise-class tower server, convertible to rack-mount (optional), minimum 4U equivalent	
2.	Processor	Dual-socket server supporting 2 x enterprise-class x86 processors (Intel Xeon Scalable or AMD EPYC or equivalent), each with minimum 24 physical cores and base clock ≥ 2.0 GHz	
3.	GPU Support	Support for minimum 4 double-width GPUs or 8 single-width half-length GPUs, subject to power and thermal limits	
4.	Memory Slots	Minimum 32 DIMM slots	
5.	Memory Capacity & Type	Support for DDR5 Registered DIMM (RDIMM), scalable up to minimum 4 TB, with individual DIMM support of 64 GB or higher, operating at ≥ 5600 MT/s	
6.	Memory Protection	ECC memory with advanced reliability features such as memory mirroring, sparing, patrol scrubbing, and demand scrubbing	
7.	Expansion Slots	Minimum 10 PCI-Express Gen 5.0 slots (x16); additional OCP 3.0 or equivalent mezzanine slot(s) optional	
8.	Boot Storage	2 x M.2 NVMe SSDs (≥ 480 GB each), hot-plug or internally accessible, configured in RAID-1	
9.	Data Storage	Minimum 3 x NVMe SSDs (≥ 1.92 TB each)	
10.	Storage Controller	Hardware RAID controller (embedded or PCIe-based) with minimum 8 GB cache with flash/backup protection, supporting RAID 0,1,5,6,10,50,60; support for SAS, SATA, and NVMe drives (direct-attach or mixed mode)	
11.	Networking	- 1 x Quad-port 1GbE Ethernet adapter - 1 x Dual-port 10GbE Ethernet adapter (SFP+/RJ45)	
12.	Management Interface	Dedicated 1GbE out-of-band management port	
13.	I/O Ports	- USB ports: minimum 5 total (front, rear, internal combination) - VGA: 1 rear - Serial: optional	
14.	Power Supply	Redundant, hot-plug power supplies with minimum 94% efficiency (80 PLUS Platinum or equivalent)	
15.	Cooling	Redundant, hot-plug system fans	
16.	Firmware & BIOS	UEFI-based firmware (Class 3), PXE boot	

		support, secure firmware update and rollback capability	
17.	Industry Standards & Compliance	ACPI, PCIe Gen 5.0, IPMI 2.0, Redfish API, SMBIOS $\geq$ 3.7, SNMP v3, TLS $\geq$ 1.2, Energy Star or equivalent, ASHRAE A3/A4 compliance	
18.	Platform Security	- TPM 2.0 support - Secure Boot - Self-Encrypting Drive (SED) support - Firmware integrity verification and recovery - NIST SP 800-88 compliant secure erase	
19.	Operating System Support	Certified support for: - Microsoft Windows Server - Red Hat Enterprise Linux (RHEL) - SUSE Linux Enterprise Server (SLES) - Canonical Ubuntu LTS - VMware ESXi or equivalent hypervisor	
20.	Virtualization	Server must be compatible with industry-standard hypervisors; virtualization licenses, if required, to be quoted separately as per CPU core count	
21.	Remote Management	Browser-based graphical remote console, virtual media, power control, remote firmware update, RBAC, two-factor authentication support, RESTful API	
22.	Server Management Software	OEM-supplied centralized management software capable of: - Health monitoring and alerting - Firmware baseline management - Integration with VMware vCenter / Microsoft System Center or equivalent	
23.	Cloud-Enabled Management (Optional)	Secure cloud-based monitoring and lifecycle management with subscription model	
24.	Lifecycle Management	Group-based firmware updates, configuration profiles, OS deployment, policy-based management	
25.	Support & Diagnostics	Predictive failure alerts for CPU, memory, storage; automated case creation and reporting	
26.	Identity & Access Management	Role-based access control (RBAC), directory service integration (LDAP/AD), SSO support	
27.	Sustainability	Power monitoring and reporting; energy efficiency features	

Item No. 5 - Blade Chassis

S.No	Parameter	Required Specification	Compliance (Yes/No)
		MAKE	
		MODEL	
		Blade Chassis	
1.	Blade Chassis	Enterprise-class blade enclosure capable of supporting the latest generation x86 blade servers based on Intel Xeon Scalable or equivalent processors	
2.	Density & Form Factor	Solution shall house the required number of blade servers in the minimum number of enclosures. Each enclosure shall occupy not more than 10U rack space	
3.	Blade Support	Chassis shall support multiple blade servers within the same enclosure with shared power, cooling, networking, and management	
4.	Interconnect Bays	Minimum 6 interconnect bays, configurable in 3+3 redundant architecture	
5.	Midplane Bandwidth	Passive/direct-connect midplane providing aggregate bandwidth ≥ 16 Tb/s	
6.	Management Architecture	Built-in or integrated redundant chassis management solution, operating on a dedicated management network physically and logically isolated from the data plane	
7.	Local Access Ports	Front or rear USB port(s) and display/video output for local laptop/monitor access	
8.	Multi-Enclosure Federation	Ability to logically link minimum 20+ enclosures (≥ 21) into a single management domain providing unified control and reduced operational complexity	
9.	Open Integration & APIs	Support for RESTful APIs and integration with popular platforms such as Microsoft System Center, VMware vCenter, and open-source/DevOps frameworks (e.g., OpenStack, Chef, container platforms)	
10.	Software-Defined Infrastructure	Support for software-defined templates/profiles enabling rapid, consistent provisioning and modification of: BIOS settings, firmware, boot order, RAID/storage configuration, and network fabric parameters	
		Interconnect Support (Ethernet & SAN)	
11.	Interconnect Flexibility	Chassis shall support Ethernet and Fibre Channel interconnect modules, fully redundant	

12.	Ethernet Downlinks	Minimum 50 Gb/s downlinks from interconnect modules to each blade server, with redundancy	
13.	Port Carving	Ability to logically divide a physical downlink into minimum 8 virtual ports without requiring external virtualization software	
14.	Ethernet Uplinks	Each interconnect module shall support minimum 6×100 Gb/s external uplink ports to core/data-center switches	
15.	Enclosure Aggregation	Support aggregation of multiple blade enclosures to consolidate network connections and scale bandwidth	
16.	Scale in Aggregation	Aggregated fabric shall support minimum 36 blade servers	
17.	East-West Traffic	Layer-2 switching for blade-to-blade traffic shall occur within the aggregated enclosure domain, without mandatory use of ToR switches	
18.	Latency	Inter-enclosure Ethernet switching latency shall not exceed 1 microsecond	
19.	High Availability	Support Multi-Chassis / Multi-Module Link Aggregation (MLAG or equivalent) for interconnect resiliency	
20.	Server-to-Server Communication	With redundant interconnects, server-to-server traffic shall be 1:1 non-blocking across all aggregated enclosures	
Fibre Channel Interconnect			
21.	FC Modules	Redundant Fibre Channel modules per enclosure	
22.	FC Uplinks	Minimum 12×32 Gb/s or 64 Gb/s auto-negotiating FC uplinks per module	
23.	FC Downlinks	Support 32/64 Gb/s FC downlinks from modules to all blade server bays	
Power & Cooling			
24.	Power Supplies	Fully populated hot-plug power supplies supporting N+N redundancy (where $N \geq 2$)	
25.	Efficiency	Power subsystem shall be 80 PLUS Platinum certified or equivalent, single-phase input	
26.	Scalability	Power supplies shall support maximum-configured blades and future blade expansion	
27.	Cooling	Redundant, hot-plug cooling fans/blowers with intelligent speed control for energy efficiency and acoustics	
Management & System Software			
28.	Warranty	Minimum 3 years comprehensive OEM warranty	
29.	Management Software	Chassis and blade management software shall be from the same OEM as the blade chassis	

S.No	Parameter	Required Specification	Compliance (Yes/No)
30.	Management Appliances	Solution shall include redundant physical or logical management appliances, each with: • Minimum 8 CPU cores • 16 GB RAM • ≥ 400 GB NVMe storage	
31.	External Management Option	If internal management appliance is not supported, equivalent external redundant management servers shall be provided	
32.	Status Indicators	Support for activity, health, and power LEDs on enclosure and blade level	
33.	Auto-Discovery & Provisioning	Software-defined intelligence with auto-discovery and profile-based provisioning of compute, storage, fabric, and OS images	
34.	Firmware & Driver Lifecycle	Profile-based firmware and OS driver updates with ability to monitor, flag, and remediate non-compliance	
35.	User Interface	Web-based (HTML5) UI supporting logical-to-physical resource mapping, smart search, activity logs, customizable dashboards, and mobile access	
36.	Management Network	Dedicated management network for multi-enclosure communication; management interfaces shall support 1GbE and 10GbE	
37.	Reporting	Built-in reporting for: 1) Asset and inventory details 2) Thermal and power metrics, including real-time per-server and per-enclosure power usage Reports shall be exportable in CSV / Microsoft Excel formats	

Item No. 6 - SAN Storage (100TB)

S.No	Parameter	Required Specification	Compliance (Yes/No)
	MAKE		
	MODEL		
1.	Operating System & Clustering Support	1. Storage array shall support industry-standard operating systems including Microsoft Windows Server 2019/2022, VMware vSphere, and Enterprise Linux distributions (RHEL / SLES / Ubuntu or equivalent). 2. Storage shall support clustered deployments with the above operating systems.	
2.	Capacity & Scalability	1. Storage array shall be supplied with minimum 100 TB usable capacity. 2. Storage subsystem shall support 2.5" Small	

		Form Factor (SFF) drives for power efficiency and density. 3. System shall also support 3.5" Large Form Factor (LFF) drives using additional expansion enclosures. 4. Storage architecture shall scale to ≥ 240 SFF drives or ≥ 100 LFF drives.	
3.	Front-End & Back-End Connectivity	1. Storage array shall be supplied with minimum 4 front-end host ports, supporting iSCSI / Fibre Channel / SAS (as applicable) with speeds ≥ 10GbE / 16G FC / 12G SAS. 2. Storage system shall support 12G SAS back-end connectivity to disk enclosures.	
4.	Architecture	Dual-controller architecture with redundant, hot-pluggable, active-active controllers to ensure high availability and performance.	
5.	No Single Point of Failure	Storage system shall be fully redundant with no single point of failure, including controllers, cache, fans, power supplies, and internal paths.	
6.	Disk Drive Support	1. Storage array shall support Enterprise SSDs, Enterprise SAS drives, and Nearline / Midline SAS drives (7.2K RPM). 2. Storage shall support Self-Encrypting Drives (SEDs) compliant with FIPS 140-2 or higher.	
7.	Cache / Memory	1. Storage array shall be supplied with minimum 48 GB cache memory per system. 2. Cache shall be protected against power failure using batteries, super-capacitors, or equivalent technology ensuring data persistence. 3. System shall support optional flash-based cache using SSDs with minimum 8 TB flash cache capability.	
8.	RAID Support	1. Storage subsystem shall support RAID 1, RAID 10, RAID 5, and RAID 6. 2. All RAID levels shall support Thin Provisioning. 3. Thin Provisioning shall be supported in combination with flash cache. 4. RAID processing shall be hardware-assisted (ASIC-based) or equivalent architecture ensuring no performance degradation; otherwise, adequate cache/memory shall be provided.	
9.	Snapshots & Cloning	1. Storage array shall support array-based snapshots and cloning. 2. System shall support minimum 512 snapshot	

		copies and 128 clone volumes. 3. Snapshot technology shall be space-efficient, such as Redirect-on-Write or equivalent.	
10.	Replication	1. Storage array shall support array-based replication for disaster recovery. 2. Replication shall support fan-out replication to multiple arrays of the same family (minimum 1:4 replication). 3. Replication license shall be provided for maximum supported capacity of the array.	
11.	Virtualization & Thin Provisioning	1. Storage array shall support storage virtualization, allowing volumes to be striped across all drives of the same type within a disk pool. 2. Disk pools shall support RAID 1, 10, 5, and 6. 3. Thin Provisioning shall be enabled and licensed.	
12.	Automated Data Tiering	Storage system shall support real-time sub-LUN automated data tiering across SSD, SAS, and Nearline SAS drives within a pool. Tiering shall be licensed for maximum supported capacity.	
13.	Hot Spare Support	1. Storage array shall support global and distributed hot spare functionality. 2. Minimum 2 global hot spares for every 30 drives shall be supported.	
14.	Logical Volumes & Performance Monitoring	1. Storage array shall support minimum 512 logical volumes (LUNs). 2. System shall support creation of logical volumes $\geq$ 120 TB. 3. Storage system shall provide built-in performance monitoring displaying IOPS and throughput (MB/s).	
15.	Multipathing & Load Balancing	Storage shall support industry-standard multipathing and load balancing. If OS-native MPIO is not supported, equivalent vendor-provided multipath software shall be supplied.	
16.	Performance Benchmarks	Storage system shall demonstrate $\geq$ 700,000 IOPS (random read) and $\geq$ 14 GB/s sequential write throughput as per published benchmarks. Documentary evidence from OEM publications or test reports shall be provided.	
17.	Array Integration	Storage array shall integrate with VMware vCenter, Microsoft System Center, and support VMware VAAI / equivalent APIs for offloaded storage operations.	

Item No. 7 – NVMe Storage

S.No	Parameter	Required Specification	Compliance (Yes/No)
		MAKE	
		MODEL	
1.	Data Availability & All-Flash Architecture	The offered solution shall be a unified, enterprise-class all-flash storage array based on NVMe or equivalent high-performance flash architecture, providing enterprise-grade resiliency, high availability, and continuous data access.	
2.	Operating System & Clustering Support	Storage system shall support and be certified for Windows Server 2019/2022, VMware vSphere (latest supported versions), Enterprise Linux distributions (RHEL, SLES, Ubuntu or equivalent), and industry-standard hypervisors. Storage shall support clustered deployments with these platforms.	
3.	Capacity & Scalability	1. Storage system shall be scalable to ≥ 700 TB raw capacity using high-capacity NVMe SSDs. 2. System shall be supplied initially with minimum 50 TB usable capacity, configured with dual-parity protection (RAID-6 or equivalent). 3. Storage architecture shall tolerate minimum two concurrent drive failures per protection group.	
4.	Storage Encryption & Key Management	1. Storage system shall support hardware-based Self-Encrypting Drives (SEDs) compliant with FIPS 140-2 or higher. 2. Encryption shall be drive-based, not dependent solely on host or software encryption. 3. Storage shall support external KMIP-compliant key managers as well as an internal key management capability.	
5.	Controllers	Storage array shall be offered with dual redundant controllers, each with independent boot devices, operating in an active-active configuration.	
6.	Memory & Processing Power	1. Storage system shall have minimum 512 GB cache / system memory across controllers. 2. Write data shall be protected using persistent memory, NVMe-based journaling, or equivalent non-volatile technology, without dependency on traditional battery-backed cache. 3. Controllers shall be based on PCIe Gen 4 or higher architecture, with multi-core processors (≥ 16 cores total).	

7.	Architecture & Virtualization	1. Storage shall operate in true active-active mode, allowing all controllers and drives to service I/O concurrently. 2. Storage shall support native storage virtualization, enabling flexible logical volume creation from pooled capacity rather than fixed disk groups.	
8.	No Single Point of Failure	System shall be fully redundant with no single point of failure, including controllers, cache, fans, power supplies, NVMe paths, and internal fabrics.	
9.	Unified Multi-Array Management	1. Storage shall be manageable via a centralized unified management console capable of managing ≥ 32 storage arrays. 2. Console shall provide dashboard view of arrays, volumes, capacity, performance, alerts, and health. 3. Centralized RBAC, audit logging, tagging, and reporting shall be supported. 4. Management solution may be supplied as a dedicated appliance or virtual instance, fully supported by the OEM.	
10.	Environment / Site Assessment	OEM shall provide periodic environment assessment services, including analysis of compute, memory, storage utilization, performance bottlenecks, and capacity trends for virtualized environments.	
11.	Host & Back-End Connectivity	1. Storage shall support Fibre Channel, iSCSI, NVMe-oF (FC/TCP) host connectivity. 2. System shall offer multiple high-speed host ports per array (≥ 8 ports total). 3. Internal architecture shall provide sufficient PCIe bandwidth to ensure line-rate performance.	
12.	Hot Spare Support	Storage shall support distributed and/or global hot spare mechanisms, following industry best practices.	
13.	Quality of Service (QoS)	Storage shall support QoS policies, allowing administrators to define minimum, maximum, or priority-based performance limits at volume or application level.	
14.	Capacity Efficiency	1. Storage system shall support inline data efficiency including thin provisioning, compression, and deduplication. 2. Data efficiency features shall be configurable per volume. 3. All required licenses (thin provisioning,	

		snapshots, replication, QoS, monitoring) shall be enabled from day one for supplied capacity.	
15.	Firmware Upgrade	Storage system shall support online, non-disruptive firmware upgrades for controllers and drives.	
16.	Container Integration	Storage shall integrate with Kubernetes / OpenShift / CSI-compliant platforms, supporting dynamic provisioning, volume expansion, snapshots, cloning, raw block volumes, and topology-aware scheduling.	
17.	VMware Integration	Storage shall integrate with VMware vCenter, supporting datastore lifecycle operations, snapshots, QoS, performance dashboards, and VVOL support.	
18.	Ransomware Detection & Protection	1. Storage shall support behavior-based ransomware detection for block workloads. 2. Detection shall be adaptive and analytics-driven, with configurable sensitivity. 3. System shall support automated snapshot creation and alerting on suspicious activity. 4. Logs shall be exportable to external security systems (SIEM/XDR).	
19.	Snapshots & Immutable Protection	1. Storage shall support controller-based snapshots ($\geq$ 1,000 per volume). 2. Storage shall support immutable, read-only snapshots with configurable retention. 3. Snapshot retention shall be protected against administrative or time-based tampering. 4. System shall support $\geq$ 60,000 logical volumes.	
20.	VMware VVOL Support	Storage shall support large-scale VMware VVOL deployments, including replication and NVMe-oF support.	
21.	Remote Replication	Storage shall support native synchronous and asynchronous replication, application consistency groups, and incremental resynchronization after link failure.	
22.	Active-Active / Metro Clustering	Storage shall support metro-distance active-active replication, enabling near-zero RPO/RTO for supported operating systems and hypervisors.	
23.	Cloud Mobility	Storage shall support replication or mobility to public cloud storage instances, manageable through the same OEM management framework.	
24.	Multi-Tenancy	Storage system shall support true multi-tenancy, allowing $\geq$ 128 logical tenants, each with isolated access control and quotas.	

Item No. 8 – SAN Switch

S.No	Parameter	Required Specification	Compliance (Yes/No)
		MAKE	
		MODEL	
		Architecture / Scalability / Performance / Management / Availability	
1.	Redundancy	A minimum of two (02) Fibre Channel SAN switches shall be deployed to ensure high availability and fabric redundancy.	
2.	Port Density & Scalability	Each SAN switch shall be supplied with a minimum of 12 active ports and shall be scalable up to at least 24 ports within the same switch chassis	
3.	Scalability Methodology	Port scalability shall be achieved through license or module expansion within the same switch chassis. Scalability through external cascading to achieve base port requirements shall not be permitted.	
4.	Performance Architecture	The SAN switch shall support a non-blocking architecture delivering full line-rate performance (1:1 oversubscription) across all active ports.	
5.	Speed Compatibility	The switch shall support auto-negotiation and backward compatibility with multiple Fibre Channel speeds, including at least 16 Gbps, 32 Gbps, and higher speeds as supported by the hardware.	
6.	Port Types	The switch shall support standard Fibre Channel port types, including but not limited to F_Port, E_Port, and other industry-standard port modes required for fabric operation, diagnostics, and inter-switch connectivity.	
7.	Form Factor	The switch shall be suitable for standard 19-inch rack mounting.	
8.	Latency	The switch shall be designed for ultra-low latency, suitable for mission-critical workloads, with deterministic and predictable port-to-port latency under non-congested conditions.	
9.	Buffering	The switch shall support sufficient dynamic frame buffering to efficiently handle bursty and mixed workload traffic patterns in enterprise SAN environments.	
10.	Bandwidth	The switch shall provide high aggregate switching	

		bandwidth adequate to support full-duplex traffic across all populated ports at supported speeds.	
11.	Management Interfaces	The SAN switch shall support both: •Web-based graphical management interface, and • Command Line Interface (CLI) for advanced configuration and troubleshooting.	
12.	Firmware & Configuration Management	The switch shall support local firmware management and configuration backup/restore via standard interfaces such as USB or equivalent supported methods.	
13.	Power Efficiency	The SAN switch shall be energy-efficient and designed for data-center use with optimized power consumption suitable for continuous operation.	
14.	Diagnostics & Monitoring	The switch shall support comprehensive diagnostic and monitoring features, including: • Power-on self-test (POST) • Online and offline diagnostics • Environmental monitoring (temperature, power, fan status) • Non-disruptive process or service restarts • Fabric and path diagnostic tools • Port monitoring and traffic analysis	
	Intelligent Networking & Traffic Management		
15.	Quality of Service (QoS)	The SAN switch shall support Quality of Service (QoS) mechanisms to prioritize critical application traffic. It shall be possible to define multiple priority levels for traffic optimization.	
16.	Inter-Switch Link (ISL) Trunking	The switch shall support ISL trunking between switches to provide increased bandwidth, load balancing, and resilience.	
17.	Bandwidth Control	The SAN switch shall support traffic shaping or bandwidth limiting to restrict data flow from non-critical hosts or applications.	
18.	Traffic Isolation	The switch shall support zoning-based or policy-based mechanisms to isolate high-bandwidth or latency-sensitive traffic onto specific ISLs or paths	
19.	Fabric Scalability Features	When deployed in a multi-switch fabric, the switch shall support zoning, trunking, and fabric services required for seamless interoperability and scalability.	
20.	Performance Visibility	The SAN switch shall provide real-time and historical performance monitoring capabilities to identify top bandwidth-consuming ports, hosts, or	

| | | devices within a switch or across the fabric. | |

Item No. 9 – Purpose-Built Appliance Storage

S.No	Parameter	Required Specification	Compliance (Yes/No)
		MAKE	
		MODEL	
		Purpose-Built Appliance	
1.	Appliance Type & Certification	The offered solution shall be a purpose-built, disk-based backup appliance (PBBA), designed specifically for backup and recovery workloads, and shall be certified / validated for interoperability with at least three (03) leading enterprise backup software platforms.	
2.	Capacity-Base & Scalability	The appliance shall be supplied with a minimum of 48 TB raw usable disk capacity, scalable within the same appliance to at least 90 TB raw capacity.	
3.	Operating System Drives	The appliance shall have dedicated system/OS drives that are physically or logically isolated and shall not participate in backup data storage.	
4.	Native & Cloud-Extended Capacity	The appliance shall support a minimum of 72 TB native usable capacity without relying on data reduction technologies such as de-duplication or compression.	
		The appliance shall additionally support extension of backup storage to public cloud or object storage platforms (such as AWS, Azure, or S3-compatible object storage), providing at least 144 TB additional native usable capacity.	
5.	Cloud Data Movement	Data movement from on-premises backup appliance to cloud or object storage shall be supported directly, without the requirement of any intermediate or third-party staging device.	
6.	RAID Protection	The appliance shall be factory-configured with hardware RAID-6 protection, requiring no RAID configuration at the customer site.	
7.	Hot Spare	The appliance shall be supplied with at least one (01) configured hot spare disk.	
8.	VTL Support	The appliance shall support Virtual Tape Library (VTL) emulation for integration with tape-based backup workflows.	
9.	Data Copy to Cloud	The appliance shall support full data copy of backup datasets to cloud or object storage (not	

		limited to tiering or partial movement).	
10.	Concurrency & Scale	The appliance shall support: •At least 128 concurrent backup/restore streams, and •At least 40,000 virtual cartridge slots in VTL mode on a single appliance.	
11.	Restore Capability	The appliance shall support selective and granular restore operations directly from disk without dependency on cloud or tape tiers.	
12.	Tape Infrastructure Integration	The appliance shall integrate with the customer's existing tape backup ecosystem, including: •Existing backup/media servers •Existing tape libraries and tape drives •Existing backup software platforms	
13.	Data Reduction & Replication	The appliance shall include integrated licenses for: •Inline or post-process de-duplication •Bandwidth-optimized replication, ensuring only unique data blocks are transferred to remote or DR locations.	
14.	De-duplication Intelligence	The appliance shall support both source-side and target-side de-duplication, and shall integrate with at least three (03) industry-leading backup software platforms.	
15.	Remote/ Branch Office Backup	The appliance shall support receiving de-duplicated backup data directly from remote or branch office application servers or client servers over low-bandwidth links, without requiring a secondary backup appliance at the remote site.	
16.	Tape Emulation Formats	The appliance shall support emulation of multiple industry-standard tape formats, including LTO-5, LTO-6, LTO-7 or higher.	
17.	Host Connectivity	The appliance shall be supplied with a minimum of: •2 × 10/25 Gbps IP ports (SFP-based), and •4 × 32 Gbps Fibre Channel ports. All required licenses and optics/transceivers shall be included and enabled.	
18.	SAN Connectivity	Fibre Channel ports shall support server connectivity either direct-attached or through SAN switches and shall function with both source-based and target-based de-duplication.	
19.	Encryption & Compliance	The appliance shall support data-at-rest encryption and shall be validated under FIPS 140-2 Cryptographic Module Validation Program (or	

S.No	Parameter	Required Specification	Compliance (Yes/No)
		higher).	
20.	Encryption Standard	The appliance shall support AES-256 encryption as per industry standards.	
21.	Dual Authorization (Security Controls)	The appliance shall support dual-authorization (two-person control) for critical and destructive operations, including but not limited to: •Deletion of backup data •Configuration changes •System time modification	
22.	Independent Authorization	Dual authorization shall require approval from two independent user accounts or roles, preventing execution of critical actions by a single entity.	
23.	Backup Software Independence	Dual-authorization and security controls shall function independently of the backup software being used.	
24.	Secure Data Erasure	The appliance shall support secure erase functionality compliant with NIST SP 800-88 guidelines to prevent unauthorized recovery of deleted data.	
25.	Network Features	The appliance shall support: •VLAN tagging •IP port bonding / teaming in Active-Backup and Adaptive Load Balancing modes.	
26.	Performance	The appliance shall support a sustained backup ingest/write performance of at least 25 TB per hour, under optimal conditions.	
27.	Cloud-Native Management	The appliance shall support cloud-based or hybrid cloud management, enabling centralized monitoring and management through the OEM's secure cloud management platform.	

Item No. 10 – Backup Software

S.No	Parameter	Required Specification	Compliance (Yes/No)
		MAKE	
		MODEL	
Technical Specifications – Enterprise Backup & Replication Software			
1.	Analyst Rating	The proposed backup software shall be a recognized enterprise-class data protection solution, consistently positioned in the Leader quadrant or equivalent top tier of reputed independent analyst reports for Data Protection / Backup Software over the last five years.	

2.		The proposed backup software shall offer instance-based licensing.	
	Licensing	Licensing shall be hardware and storage agnostic and shall not impose restrictions on: 1. Type or make of storage arrays (heterogeneous storage environments) 2. Front-end production capacity 3. Backup target disk or object storage capacity	
		Licenses and any associated hardware shall be supplied for both Primary and Disaster Recovery sites.	
3.		The backup software shall provide advanced reporting and analytics, including: 1. Trend analysis for backup capacity planning 2. Extensive alerting and reporting 3. Pre-configured and customizable report formats	
	Reporting Capabilities	Any specialized reporting or analytics modules required shall be quoted and supplied along with all necessary hardware and software resources.	
		The solution shall support 24×7 real-time monitoring with: 1. At-a-glance dashboards 2. Drill-down views for health, performance, and workload of virtual hosts	
		The solution shall provide an integrated security and compliance dashboard.	
		The solution shall support automated or semi-automated corrective actions for common alarms.	
4.		The software shall support direct restoration of virtual machines to public cloud platforms from backup copies.	
	Data Protection and Recovery in Cloud	The software shall support extension of backup repositories to public cloud object storage, including S3-compatible and blob-based repositories.	
		The software shall support archival of backup data to cloud archive tiers and restore capability independent of cloud-native tools.	
		The software shall support agentless, application-aware backups for enterprise applications hosted inside virtual machines with granular, non-staged recovery.	
		The solution shall support crash-consistent VM-level backups for other workloads.	
		The software shall support direct backup of on-	

		premises data to cloud repositories.	
		The solution shall support immutable cloud-based storage to protect backups from ransomware or unauthorized modification.	
5.	Security & Compliance	The backup software shall support rule-based malware detection mechanisms	
		The solution shall provide on-demand malware scanning of backup data.	
		The software shall support inline and in-guest malware detection using file indexing or equivalent mechanisms.	
		The solution shall enforce dual-authorization (four-eyes principle) for backup deletion and critical operations.	
		The software shall support multi-factor authentication (MFA) for console access	
		Automatic console log-off due to inactivity shall be supported.	
6.	Backup Support for Hypervisors and Applications	The backup software shall be hardware-agnostic.	
		It shall support snapshot-based integration with major enterprise hypervisors.	
		The solution shall support de-duplication on any supported storage target.	
		The software shall support tape-based backups (e.g., LTO) for long-term retention.	
		The solution shall support instant recovery of virtual machines directly from backup images.	
		The solution shall support: •File-level recovery •Full system recovery •Recovery to physical, virtual, or cloud-based systems	
		The software shall support instant recovery of enterprise databases from backup copies.	
		The solution shall support syslog and ITSM platform integration.	
7.	RPO/ RTO and Recovery Assurance	The backup software shall support automated recovery validation, where workloads are powered on in an isolated sandbox environment.	
		Recovery verification shall: • Validate VM image recovery • Validate guest OS boot • Validate application consistency • Generate automated audit-ready reports	

		The solution shall provide backup and replication from a single management console.	
		The solution shall integrate with role-based access control (RBAC) of hypervisors for self-service restore.	
		The solution shall support hardened Linux-based repositories for ransomware protection.	
		The solution shall support managed service accounts with enforced password policies and rotation.	
		The solution shall support object storage–based backups.	
		The solution shall support staged restores to enable compliance with data privacy regulations.	
		The solution shall support instant file share recovery for NAS systems.	
8.	Backup and Replication Performance & SLA	The backup software shall allow configuration of maximum acceptable I/O latency thresholds to protect production workloads.	
		The solution shall support application, file, folder, and full VM recovery within 15 minutes RTO, subject to infrastructure sizing.	
		The solution shall support WAN-optimized, secure replication, including: • Source-side encryption • Compression • Network-efficient transfer without dependency on third-part WAN accelerators	
9.	Disaster Recovery Capabilities	The solution shall support VM-level replication with integrated failover and failback.	
		The solution shall support continuous replication with near-zero RPO and application consistency.	
		The solution shall support replication across dissimilar infrastructure platforms, including HCI and traditional environments.	
		The solution shall support bare-metal recovery for physical servers onto dissimilar hardware.	
		The solution shall support cross-platform recovery, including restoring cloud-based workloads back to on-premises virtualization platforms.	

Item No. 11 – Virtualization Software

S.No	Parameter	Required Specification	Compliance (Yes/No)
		MAKE	
		MODEL	
1.	Platform	The offered hypervisor software shall: •Support both Intel and AMD x86_64 architectures •Provide high availability (HA) capabilities for virtual machines and hosts	
2.	Hypervisor Vendor Eligibility	The offered hypervisor shall be an enterprise-grade, commercially supported virtualization platform with proven large-scale deployments in production environments.	
3.	Guest Operating System Support	The hypervisor shall support all leading guest operating systems, including: •Windows Server editions •Major Linux distributions •Other enterprise-supported operating systems	
4.	Availability & Mobility Features. (The hypervisor shall support)	Live migration of running virtual machines between hosts within a cluster with zero downtime.	
		Automatic VM restart on another host in case of host failure.	
		Dynamic workload balancing for optimal resource utilization across cluster nodes.	
		Live storage migration of virtual disks between datastores without downtime.	
5.	Native Data Protection & Backup Integration	The hypervisor shall provide native VM-level backup capabilities, OR vendor shall supply integrated backup software if native backup is unavailable.	
		Backup targets shall include: • CIFS/ SMB shares • NFS storage • S3-compatible object storage	
		Backup solution shall support •Scheduling •Retention Policies •On-demand backups •Automatic protection of newly provisioned VMs	
		The Platform shall support object storage buckets for:	

		• Backup
		• Archive
		• VM image storage
		• Deployment templates
		The platform shall support file-share based storage (CIFS/NFS) for the above use cases.
6.	External Storage Integration	The hypervisor shall support running virtual machines on external storage via:
		• iSCSI
		• NFS
		• Fibre Channel
7.	Automation Capabilities (The Platform shall support:)	Execution of Bash and PowerShell scripts during VM provisioning.
		Execution of automation scripts on existing VMs for operational workflows.
8.	Identity & Access Integration (The Platform shall support)	Internal user management
		Integration with external identity providers
		• Active Directory / LDAP
		• SAML-based identity providers
		Role mapping between external identity providers and hypervisor roles
9.	IP Address Management (IPAM) Integration	The hypervisor shall support integration with external IPAM solutions to automate IP allocation during VM provisioning.
10.	DNS Integration	The hypervisor shall support integration with external DNS systems to automate DNS record creation during VM provisioning.
11.	Resource Grouping & Multi-Tenancy	The management engine shall support grouping of resources including: •Hosts •Clusters •VMs •Networks •Datastores •Resource pools Access to grouped resources shall be assignable to users and teams.
12.	User Profile Management	Users shall be able to configure: •Profile details •Authentication settings (including 2FA) •Credentials for Linux and Windows VM access (securely stored)
13.	Private Cloud	The management platform shall support

	Integration	integration with additional private cloud environments and hypervisors from a unified interface.	
14.	Service Plans/ VM Templates	The platform shall allow administrators to create service plans (t-shirt sizing) based on: •CPU •Memory •Storage	
		Plans shall support: •Custom ranges •Volume limits •Resource customization controls	
15.	Cluster Expansion & Contraction	The hypervisor shall support cluster expansion and shrink operations without service disruption.	
16.	Role-Based Access Control (RBAC)	RBAC shall support granular permissions including: •Data protection configuration •Service plan management •API access •VM placement controls •Automation scripting •Instance resizing •VM console and lifecycle operations	
17.	Virtal Machine Management	The platform shall support: VM Lifecycle Operations •Create, delete, start, stop, restart, suspend •VM discovery •Snapshot creation, deletion, and revert •Tagging and metadata management •Cloning and template creation •Virtual hardware add/remove (CPU, RAM, disks, NICs) Snapshots restored shall preserve child snapshots.	
18.	Passthrough Support	The hypervisor shall support passthrough of: •PCI devices •NVMe devices •GPUs •USB devices	
19.	Credential Store	The platform shall support secure internal and external credential stores for: •Passwords	

		•SSH keys	
		•API keys	
		•Certificates	
20.	Virtual Image Management	Support upload and management of OS images.	
		Image storage locations may include: • Local cluster storage • Object storage buckets • File shares	
21.	Licensing Model	Hypervisor shall be licensed per socket.	
		If socket licensing is unavailable, core-based licensing shall be offered with minimum licensing equal to: • Actual cores per server OR • 128 cores per server (whichever is higher)	
22.	Upgrade to Cloud Management Platform	The platform shall be upgradable to a full cloud management stack supporting: •CloudOps •SecOps •DevOps automation •FinOps reporting	
		The upgraded platform shall support integration with: •Multiple hypervisors •Public clouds •Identity providers •Networking platforms •Load balancers •Backup solutions •ITSM tools •Container platforms •Automation tools	
23.	Global Search	The platform shall provide global search across: •VMs •Users •Clouds •Hosts •Networks •Groups	
24.	Knowledge Base/ Wiki	The platform shall include an RBAC-controlled, auditable knowledge base for documentation and operational notes.	
25.	Dashboard & Monitoring	The platform shall provide a consolidated dashboard showing: •System health	

Sr. No.	Parameters	Technical Specifications	Compliance (Yes/No)
		•Alarms •Logs •VM status •Cluster workload metrics	
26.	Activity Reporting	The platform shall provide: •Activity logs for provisioning and user operations •Searchable audit trails	
27.	Image Conversion & Migration	The platform shall support VM image conversion and migration from other hypervisors via native tools or bundled software.	
28.	Multi-Cluster Management	Vendor shall provide management software capable of managing multiple clusters (minimum 10) from a single console.	

Item No. 12 – AMD Workstation

Sr. No.	Parameters	Technical Specifications	Compliance (Yes/No)
1	Processor	AMD Ryzen Threadripper Pro or higher	
2	Chipset	AMD WRX90 chipset or better	
3	Memory	32GB ECC or Higher	
4	Memory DIMM	8 DIMM Slots with 128GB Expandability	
5	Memory Expandability	Up to 128GB, ECC memory or higher	
6	SSD & HDD	512GB NVMe SSD + 1TB SATA Hard Drive	
7	Slots	2x PCIe x8 slot	
8	GPU Card	AMD Radeon Graphics Card (4GB or higher)	
9	I/O Ports	2 x USB 3.0 1 x GbE LAN Port 1 x Audio Port	
10	OS Support	Microsoft Windows Server Red Hat Linux, SUSE Linux Enterprise Server, Ubuntu	
11	Power Supply	1000W or better	
12	OS	Windows 11 Pro	
13	Security	Trusted Platform Module (TPM 2.0), Kensington Lock slot	
14	Regulatory Compliance	BIS, CE, FCC	
15	Input Devices	Same OEM make wired Keyboard & Mouse	
16	Monitor	23.8" and above with IPS Antiglare display supporting 1920X 1200 @ 60 HZ, 16: 9 aspect ratio	
17	Warranty	3 Years Onsite Comprehensive Warranty	

Performance Bank Guarantee Template

[Date]

To,

      The Managing Director,
      H.P. State Electronics Development Corporation Ltd.,
      First Floor, IT Bhawan, Mehli, Shimla-171013.

Dear Sir,

1.   Whereas M/s _____ (hereinafter called "CONTRACTOR") has supplied _____ (as per Bill of Material Specified in this Document) as per agreement/supply order No._____ dated _____ signed between the HPSEDC (hereinafter called "Client") and them and as per the agreement/supply order the M/s. _____ is supposed to furnish Performance Security for supply of _____ and maintain the same for a period of _____years.

2.   NOW THEREFORE KNOW ALL THE MAN THESE PRESENTS THAT WE, __(Bank Name)_____ having its Head Office at _____(hereinafter called "the Bank") are bound up to the Client in the sum of Rs._____/- (Rs._____ _____) only) for which payment will and truly to be made to the said Client, the Bank binds itself, its successors and assignees by these presents.

3.   The Bank further undertakes to pay to the purchaser up to the above amount on receipt of its first written demand, without the Client having to substantiate its demand. The Client's decision in this regard shall be final and shall not be called upon to question under any circumstances. The Bank Guarantee will remain in force up to _____. However, its validity can be got extended before _____ solely at the instance of the Purchaser. This clause shall remain valid not withstanding anything else contained to the contrary in this document.

4.   Our responsibility under this guarantee is restricted to Rs._____/- (Rupees _____) only and it will remain enforce up to _____ unless a demand in writing is received by the bank on or before _____, all your

rights under the said guarantee shall be forfeited and we shall be released and discharged from all the liabilities thereunder.

5. This guarantee will remain in force up to <date of validity> and any demand in respect thereof should reach the Bank not later than the specified date/dates. However, notwithstanding anything else contained to the contrary in this Guarantee, if the implementing agency does not submit the fresh performance bank guarantee (as per required schedule and amount) till 15 days before expiry of this performance bank guarantee, the Purchaser may either forfeit the PBG or ask the Bank to extend validity of the Bank Guarantee for a further period not exceeding six months. In the latter situation, the Bank shall comply with such a request of extension.

6. Sealed with the Common Seal of the said Bank this _____ day of _____, 2026. In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this _____ day of _____, 2026 for Bank _____

Witness

Signature

Name

M/s._____ (complete address)

Note: This guarantee will attract stamp duty as a security bond.

A duly certified copy of the requisite authority conferred on the official/s to execute the Guarantee on behalf of the bank should be annexed to this guarantee for verification and retention thereof as documentary evidence.

Bank Guarantee (BG) Format for EMD

Date _____

To

      The Managing Director,
      H.P. State Electronics Development Corporation Ltd., First Floor, IT
      Bhawan, Mehli, Shimla-171013.

Dear Sir,

1. Whereas M/s. _____ (hereinafter called "Bidder") has quoted against the Tender No: **HPSEDC/RC-Server/2K26-** 10833 invited by M/s H.P. State Electronics Development Corporation Ltd. (HPSEDC) towards supply of _____is supposed to furnish Bank Guarantee the same valid for a period of 120 days.

2. NOW THEREFORE KNOW ALL THE MAN THESE PRESENTS THAT WE, _____ (Bank Name)_____ having its Head Office at _____(hereinafter called "the Bank") are bound up to the Client in the sum of Rs._____/- (Rs._____ _____) only) for which payment will and truly to be made to the said Client, the Bank binds itself, its successors and assignees by these presents.

3. The Bank further undertakes to pay to the purchaser up to the above amount on receipt of its first written demand, without the Client/ HPSEDC having to substantiate its demand. The Client's decision in this regard shall be final and shall not be called upon to question under any circumstances. The Bank Guarantee will remain in force up to 120 days. However, its validity can be got extended before expiry of its validity solely at the instance of the HPSEDC. This clause shall remain valid not withstanding anything else contained to the contrary in this document.

4. Our responsibility under this guarantee is restricted to Rs._____/- (Rupees _____) only and it will remain enforce up to _____ unless a demand in writing is received by the bank on or before _____, all your

rights under the said guarantee shall be forfeited and we shall be released and discharged from all the liabilities thereunder.

5. This guarantee will remain in force up to <date of validity> and any demand in respect thereof should reach the Bank not later than the specified date/dates. However, notwithstanding anything else contained to the contrary in this Guarantee, if the bidder does not submit the fresh bank guarantee or extend the existing Bank Guarantee till 15 days before expiry of this bank guarantee, the Purchaser/ HPSEDC may either forfeit the BG or ask the Bank to extend validity of the Bank Guarantee for a further period not exceeding six months. In the latter situation, the Bank shall comply with such a request of extension.

6. Sealed with the Common Seal of the said Bank this _____ day of _____, 2026. In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this _____ day of _____, 2026 for Bank _____

   Witness

   Signature

   Name

M/s._____ (complete address)

   Note: This guarantee will attract stamp duty as a security bond.

A duly certified copy of the requisite authority conferred on the official/s to execute the Guarantee on behalf of the bank should be annexed to this guarantee for verification and retention thereof as documentary evidence.

Latest instructions for bidders:

I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.

II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

III. "Bidder from a country which shares a land border with India" for the purpose of this Order means: -

   a. An entity incorporated, established, or registered in such a country; or

   b. A subsidiary of an entity incorporated, established, or registered in such a country; or

   c. An entity substantially controlled through entities incorporated, established, or registered in such a country; or

   d. An entity whose beneficial owner is situated in such a country; or

   e. An Indian (or other) agent of such an entity; or

   f. A natural person who is a citizen of such a country; or

   g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

IV. The beneficial owner for the purpose of (III) above will be as under:

   1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation—

   a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company.

   b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

   2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has

ownership of entitlement to more than fifteen percent of capital or profits of the partnership.

3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.

5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

The Bidder has to provide following declarations (duly signed and stamped):

Declaration 1 of Latest instructions to bidders

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such a country and is eligible to be considered."

Declaration 2 of Latest instructions to bidders

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]

Declaration 3 of Latest instructions to bidders

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached"

In case bidder is Himachal based company/ firm/ entity then the bidder should submit a self-declaration certificate regarding above mentioned Declaration 1, 2 and 3.

Note: Interested bidder may refer to Office Memorandum (F. No. 6/18/2019-PPD) dated 23.07.2020 of Department of Expenditure, Ministry of Finance, Govt. of India for further details and all the requirements will be in accordance with this memorandum.