

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



**e-TENDER
FOR
Request for Proposal
for
System Integrator for Centralized E-Challan Application**

(E-Tender No: **HPSEDC/E-challan/2K25-7660**)

H.P. STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.,
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29-10-2025

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SECTION-I

INVITATION FOR E-BIDS

E-TENDER NO: HPSEDC/E-CHALLAN/2K25- 7660

Note:

The Press e-Tender Notice published on 29/10/2025 in following daily Newspapers inviting e-Tenders for Request for Proposal for System Integrator for Centralized E-Challan Application. The objective is to establish a unified, enterprise-class, IP-enabled application platform (Traffic/Integrated Command & Control Centre - TCCC/ICCC Application Platform) that will act as the Central Challan Application for all 13 Districts/Units of Himachal Pradesh. Initially Rate Contract will be finalized for two years, if reduction of rates take place in between, approved firms shall submit revised rates. The Tender notice will be published in the following newspapers.

1. Divya Himachal (Chandigarh/ Delhi Edition)
2. The Tribune (Chandigarh/ Delhi Edition)

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 entering into Rate Contract for two years for the supply of Centralized E-Challan Application as per technical specifications in Annexure-A to various State Government offices and providing after sale support during warranty period.

GIST OF IMPORTANT GENERAL CONDITIONS

- 1) The tender has been floated for finalizing the System Integrator for Centralized E-Challan Application as per specifications mentioned in Annexure-A. The rate contract will be done on the basis of BOQ mentioned at Schedule- I. **Only L1 rates** will be conveyed to the departments and accordingly purchase orders would be placed for only L1 bidder's rates. However, since the application is to be procured and supplied to Government department in the State Government, reasonability of the rates would be ascertained by the tender committee w.r.t. other rate contracts and in the market. Bidders have to ensure that the **rates quoted for this tender are economical** than the rates in other rate contracts/ government supplies or open market anywhere else in the country.
- 2) Unless otherwise specified for a part of the order, the supplies should be completed within **5-6 weeks** from the date of placing the supply order except for snowbound/ tribal areas, where delivery can be made within 6-8 weeks. Delivery is to be made FOR destination i.e. anywhere in the State of Himachal Pradesh and Installation has to be completed within **1 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.
- 3) The rates quoted for accessories in each category should also be reasonable. The committee reserves the right to negotiate the rates of accessories with L1 bidder to bring them to a reasonable level based on the best prices offered by other bidders and current market rates. Any other Items/ accessories, which is not covered in this tender and required later on, the empanelled bidders will be asked for submission of quotations for these additional items/ accessories.
- 4) If the rate contract holder quotes/ reduces its price to render similar goods, works or services at a price lower than the rate contract price to anyone in the Country at any time during the currency of the rate contract, the rate contract 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 that rate contract and the rate contract shall be amended, accordingly. **The rate contract 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**

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rate contract the rate contract holder shall furnish a certificate that the provision of this clause has been complied with during the period of rate contract.

6) The committee reserves the right to negotiate/ accept / reject this offer. 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 <https://www.hpsedc.in> and <https://hptenders.gov.in> The tender document will be available on all working days upto last date & time of bids submission on payment of Rs.5000/- (Rupees Five Thousand only) non-refundable, by demand draft in favour of “The Managing Director, HP State Electronics Development Corporation Ltd., Shimla” payable at Shimla or RTGS in HPSEDC bank account. 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).

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3.) SCHEDULE OF THE TENDER PROCESS:

S. No.	Information	Details
1.	RFP No. and Date	No: HPSEDC/E-CHALLAN/2K25-7660 Date: 29/10/2025
2.	Pre-Bid Meeting	03/11/2025 at 11.30AM through Video Conference VC Link is as under: https://meet.google.com/cjh-xbud-hrx
3.	Last date of receiving queries from the bidders	Pre-Bid queries will only be accepted up to 02/11/2025 at 5PM through email and no query will be entertained after 02/11/2025 through e-mail (procurement@hpsedc.in)
4.	Price of Tender Document	Rs. 5000/-
5.	Earnest Money Deposit	Rs. 5,00,000/-
6.	Bid validity period	180 days from the last date (deadline) for submission of e-Tenders.
7.	Bid submission start date	06/11/2025, (11:00 AM)
8.	Bid submission End date	14/11/2025 (02:30 PM)
9.	Opening of e-Tenders Bids	15/11/2025 (02:30 PM)
10.	Tender Download Site	www.hpsedc.in & https://hptenders.gov.in
11.	Venue	H.P. State Electronics Development Corporation Ltd., 1 st Floor, I.T. Bhawan, Mehli, Shimla-171013, H.P.

- (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 and <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 submitted in the form of excel sheet in the following Format

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:

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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 2 of 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.

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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.

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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/ 2013 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) of bidder and detailed profile of the Company/ Firm/ Government License and GSTN, Registration Certificate for proprietors or in case of partnership firm: GSTN, Registration Certificate, copy of partnership deed.
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/ RTGS valid for 180 days in favour of Managing Director, H.P. State Electronics Development Corporation, I.T. Bhawan, Mehli, Shimla-13. The original DD/ BG or documents related to tender cost and bid security should be deposited in HPSEDC on or before the last date and time for bid submission.	(i) Demand Draft (DD)/RTGS of Rs. 5000/- (Rupees Five Thousand only) (ii) Earnest Money (Rs. 5,00,000) Deposit (EMD) as mentioned in clause 2.10 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 and PAN Number.	Relevant Registration Certificates (copies to be enclosed)
4.	A Bidder should be Original Equipment Manufacturer (OEM) or Authorised Principal National Distributor/ Importer/ large Scale system integrator duly authorised by the OEM (Original Equipment Manufacturer) of the required application respectively. It will, however be, preferred that the Original Equipment Manufacturers (O.E.M.) quotes directly.	Authorization letter from OEM in format given at Performa-A in case OEM not bidding directly.

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5.	The Bidder or its OEM {themselves or through re-seller(s)} quoting, must have successfully executed at least 20 ITMS Application projects during the last three years in Government/Semi Govt./ PSUs/ Autonomous bodies of Central/ State Govt.	Copies of supply orders & satisfactory reports (as applicable) clearly showing quantity supplied of last three years.
6.	The average annual turnover of the OEM whose software is sought to be supplied/ installed should Rs.10 Crores during last 3 financial years i.e 2021-2022, 2022-2023, 2023-2024.	CA certificate for turnover as mentioned in the criteria. Audited Balance sheets from company Statutory Auditor/ CA from OEM & financial data of the last three years.
7.	The average annual turnover of the bidders should be Rs. 5 Crores during last 3 financial years i.e 2021-2022, 2022-2023, 2023-2024.	CA certificate for turnover as mentioned in the criteria. Audited Balance sheets from company Statutory Auditor/ CA from Bidder & financial data of the last three years.
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.	CA certificate for turnover as mentioned in the criteria. Supporting financial documents/Balance sheet/ certificate from company's Statutory Auditor/ CA.
9.	The ITMS/Central E-Challan Software Application OEM should have Achieved CMMI V2.0 Maturity Level - 3 or above. The Appraisal shall be Validated Online & should be Available on Public Portal on CMMI Institutes Website in the Published Appraisal Results (https://cmminstitute.com/learning/appraisals/results).	Copy of Valid certificate to be provided.
10.	The OEM should have the following certifications: 1.ISO 9001:2015 - Quality Management Certifications 2. ISO 27001:2013 - Information Security Management Systems, 3. ISO 27017:2015 – Information Security Control for Cloud Services 4. ISO 27701:2019 - Security Techniques Extension to ISO 27001 for Privacy Information Management Requirement & Guidelines	Certificate of each type from the certifying organizations to be submitted.

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11.	OEM/Bidder Toll Free Help-desk facilities should be already available during working hours (9 to 6 PM from Monday to Saturday).	Contact information and availability hour's details.
12.	The ITMS/Central E-Challan Software Application OEM shall have a Registered Office & shall also have a Research & Development Centre in India & should be Operational for the Last 10 Years as on the Last Date of Bid Submission.	Certificate of Incorporation and related supporting documents to be submitted.
13.	API in Bidder's Scope if OEM of the ITMS and Command Centralized Application different	Undertaking to be submitted.
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 & Declaration in Form 'E' that the Bidder has not been debarred/ blacklisted by any reputed Government/ Semi-Government organisation for quality of services/product and that there is no major complaint against the quality of service/ products by any organisation mentioned in this clause.
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%)

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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 billing support and/ or 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 and its allied accessories are involved.

Either OEM or its authorised reseller only can participate in the bid/tender and if both participates in the bid/tender, then the bid of both bidders will not be considered, and both the bids would be technically disqualified. If the OEM authorises more than one reseller, all the bids of the participating resellers shall be deemed disqualified.

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.

B- TENDER DOCUMENT

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 upto 3 days before the bid-submission date.

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>.

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

This part of the Bid must comprise of the following documents to be uploaded in Packet-1 on the e-procurement portal:

- (i) Fact Sheets for the products quoted by the Bidder, along with copies of requisite certifications mentioned in the fact sheets.
- (ii) Product catalogues of quoted items revised upto date. If some product up gradation has taken place since the printing of the brochures, latest authenticated releases/ bulletins must be enclosed and also indicate website links of the OEM & bidder.

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.

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Sr. No.	Tender	Bid security amount in Rupees.
1	e-Tender for Selection of System Integrator for Centralized E-Challan Application	Rs. 5,00,000/- (Rupees Five 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 in the shape of Demand Draft/ Bank Guarantee/RTGS or Pledged FDR (as per prescribed format at Annexure-4) in favour of “M.D., H.P State Electronics Development Corporation Ltd., Shimla” Payable at Shimla.

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 will be discharged upon the Bidders executing the contract and furnishing the performance security in accordance with Para 3.5.1.

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

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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 120 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.

2.12.2 The original DD/ BG or documents related to tender cost and bid security should be deposited in HPSEDC on or before the last date and time for bid submission.

2.12.3 Every envelop and forwarding letter of various parts of the Bid shall be addressed as follows:

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

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:

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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 Eligibility-cum-technical bid documents uploaded on the e-portal will be opened and evaluated for eligibility of each Bidder will be ascertained. The product proposed in the bid document 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

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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. 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. Therefore, all Bidders must indicate in the Compliance/Deviation, if any, in Schedule III, extra features offered by them. Similarly, the Tender Committee can give any other such minor relaxation, which does not change substance of the bid or does not prejudice the bid process from the point of view of equity and fair play. 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.

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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 will be done based on the total Gross bid Value.

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.

2.17.3.1. 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.

2.17.3.2 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 @3% and contract for

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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 @3% shall be invited to match the L-1 price for remaining quantity and so on, and contract shall be awarded accordingly.

2.17.3.3 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 based on the total gross bid value.

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. 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-

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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 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:

3.1.1 In 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 after the order is placed. Detailed provisions of such a contract-agreement shall have an over-riding effect vis-a-vis this Tender Document.

3.3 Standards:

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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 'Notification of Award', the successful bidder/ Supplier shall initially furnish a 3% Performance Bank Guarantee of total order value valid for 39 months 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 signing of agreement and submission of PBG.

3.5.3 The proceeds of the Performance Bank Guarantee/ additional Performance Bank Guarantee/ FDR 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/ FDR 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/ or by way of pledged FDR. This Bank Guarantee should be of a sufficient duration to cover the risk of the Purchaser.

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

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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 benchmarking.
- 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

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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 with Multilingual support for Hindi.

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.

3.16.14 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:

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3.9.1 The entire cost of carriage/transportation from the port 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 equipments 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 Payment shall be made in with respect to the following milestones:

S.No	Milestone	Payment Percentage
1.	Software Delivery and Installation	40 %
2.	Integration and Pilot Acceptance	40 %
3.	Final Acceptance and Go-Live	5%
4.	Quarterly Payments for three year warranty/ AMC Period	15%
5.	Quarterly Payments for fourth year AMC	100 %
6.	Quarterly Payments for fifth year AMC	100%

Note: *Payments shall be released only on production of bill supported by delivery 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.*

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 one year period.

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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 or 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 100/- per day 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

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(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 of such conditions and the cause thereof. 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*

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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 Liability:

The liability of the supplier in respect of all claims under this tender including penalty 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 referred 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.

TECHNICAL SPECIFICATIONS AND MAINTENANCE CONDITIONS

4.1. SCOPE OF THE TENDER:

The successful System Integrator shall be responsible for the seamless development, installation, and integration of a **Centralized E-Challan Application** with existing Intelligent Traffic Management/Enforcement System (ITMS/ITES) solutions across all 13 districts/Units.

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 centralized e-challan application: The successful bidder of respective equipment will do installation and ensure that the equipment supplied works/run properly.

(v) After-Sales-Services

The Supplier will open Own/Authorised Service Centres at least in four locations (Shimla, Mandi, Kangra and Hamirpur) in Himachal Pradesh for the maintenance of Centralized E-Challan Application 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

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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:

Software Warranty Period: Minimum of 36 calendar months starting from the date of final Acceptance. The Supplier shall provide Comprehensive OEM warranty (including labour and spares) for 36 calendar months. The warranty shall cover the System Software 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 application shall ensure genuine add-ons & consumables for the application 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/ week shall be decided at the time of signing the contract. 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.

SLA - Critical Defects: Response within 2 hours, Resolution within 12 hours.

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 60 hours) are available with the Service Centres in sufficient quantity.

4.3 TECHNICAL SPECIFICATIONS & QUANTITIES:

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4.3.1 The Technical Specifications have been given in Annexure-A 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. COMPLIANCE SHEETS:

- (i) Compliance Sheets as per Annexure-A in Section-5 are to be filled in by the bidders as part of the Bid. These Compliance 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.
- (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.

Request for Proposal for System Integrator for Centralized E-Challan Application

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/E-CHALLAN/2K25-7660**

Dear Sir,

Please refer to your Notice Inviting Tenders for Request for Proposal for System Integrator for Centralized E-Challan Application published in “Divya Himachal” and “The Tribune”.

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 equipment/ peripherals etc.

1. The Application supplied in this tender shall be developed/supplied by us as per the specifications required by the Purchaser. M/s _____ (Bidder) shall not be allowed to do any integration on our application.
2. It will be ensured that in the event of being awarded the contract, the Centralized e-challan Application 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 to the ASP. If M/s _____ fails to maintain the application for any reason what-so-ever, we shall make alternative arrangements for proper maintenance of these Centralized E-Challan Application 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 application do not get diluted in implementation due to non-availability 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 : _____

Request for Proposal for System Integrator for Centralized E-Challan Application

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/E-CHALLAN/2K25-7660**] regarding Request for Proposal for System Integrator for Centralized E-Challan Application. I declare that all the provisions of this Tender Document contained in Section-1 to Section-5 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:

Request for Proposal for System Integrator for Centralized E-Challan Application

FORM-E

DECLARATION REGARDING PAST PERFORMANCE

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/E-CHALLAN/2K25-7660**] regarding Request for Proposal for System Integrator for Centralized E-Challan Application. 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:

Request for Proposal for System Integrator for Centralized E-Challan Application

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)

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)									
Sl. No.	Item Description	Qty	BASIC RATE with installation and configuration efforts 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 Rs. P	Gross Bid Value Inclusive installation, configuration efforts and Taxes (for three-year onsite OEM warranty) Rs. P	TOTAL AMOUNT In Words
A. Core Centralized E-Challan Application Software License and Development									
1.	Core Application Software License (Central Component)	1							
2.	Customization, Integration Development, & Testing (including API integration with existing ITMS systems of all districts/Units)	1							
B. District Deployment & Client Setup (Price Per Location)									
3.	Installation, Configuration, and Deployment of Application Components at District/Unit Location (each)	13							
4.	Configuration and Setup of Minimum 8 Client Access Points/Users per District/Unit Location	13							
Annual Maintenance Contract (AMC) after 36 months									
5.	AMC Cost for Year 4	1							
6.	AMC Cost for Year 5	1							

Note: The Price Per Location (PPL) must cover all installation and configuration efforts for the application components and client access points specific to one district/Unit.

Note: The bidder must ensure that the quoted price for integration with the existing ITMS(s) is inclusive of all associated costs and that the system remains fully operational ensuring compatibility and seamless integration. No over and above or additional cost will be payable for the seamless integration of the existing ITMS(s) with the ITMS proposed to be set up under this RFP.

SECTION- 5
TECHNICAL SPECIFICATIONS

ANNEXURES

Tender Document No:

HPSEDC/E-CHALLAN/2K25-7660



Request for Proposal for System Integrator for Centralized E-Challan Application

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.

*** The quoted product should not be end of life at the time of bid submission. The support shall be provided by the bidder/ OEM for next three years, an undertaking for the same shall be provided by the OEM.**

Technical compliance to be provided on OEMs letterhead with signatures, name, email, contact number of Authorized signatory.

SECTION – 5

TECHNCIAL SPECIFICATIONS AND COMPLIANCE SHEETS

ANNEXURE-A

The specification mentioned hereunder are bare minimum requirement. Bidders are encouraged to offer better specifications in this bid or subsequently during the period of tender/rate contract.

The successful System Integrator shall be responsible for the seamless development, installation, and integration of a Centralized E-Challan Application with existing Intelligent Traffic Management/Enforcement System (ITMS/ITES) solutions across all 13 districts/Units.

The Details of the District Command centres and ITMS is attached as follows respectively:

- 1.The Bill of Materials of District Command and Control Centres is attached as **Annexure – B**.
2. The Specifications of the ITMS installed is attached as **Annexure – C**
3. The Details of ITMS installed across districts is attached as **Annexure – D and E** respectively.
4. All these 37 ITMS installed at 13 District Command and Control Centres as listed in **Annexure – E** should be integrated with Centralized E- Challan Application.

Centralized E-Challan Application Platform (Deployment and Technical Specifications)

S.No	Parameter	Requirement	Compliance (Yes/ No)
1.	Platform Type	Enterprise class IP-enabled application solution (TCCC/ICCC) with open architecture.	
2.	Core Function	Shall have a Built-in E-Challan Module and act as the Central Challan Application for all 13 Districts/Units of Himachal Pradesh.	
3.	Deployment Location	The core application must be installed and operational at a designated central location and the integration components and client access points must be installed at each of the 13 districts/Units of Himachal Pradesh.	
4.	Client Provisioning	The solution must support a minimum provision of 8 simultaneous client connections/user access points at each of the 13 district/Unit installation locations.	

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5.	APIs and Interoperability (Bidder Responsibility)	The successful bidder is solely responsible for obtaining the Open APIs from the respective ITMS service providers (including I2V Solutions, Vehant Software Solutions, and Videonetics Solutions) to enable this seamless, vendor-neutral integration.	
6.	Outputs Display	The application must be able to show the outputs (violation images, data, etc.) received from the ITMS systems at the district level and enable the challans.	

E-Challan Application Functional Requirements

The E-Challan Application module must be a Web-Based Application and should have a built-in mechanism to validate violations by the Operator.

S.No	Feature	Requirement	Compliance (Yes/No)
1.	Violation Validation	Shall have the functionality to Validate the Violation that is Automatically Captured by the ITMS/ITES Application.	
2.	Integration for Challan Generation	The Challan generation module shall be seamlessly integrated with systems for: ANPR, RLVD, Triple Riding Violation Detection, No-Helmet Violation Detection, Mobile Usage Violation Detection, and No Seat Violation Detection.	
3.	External Database Integration	Shall have the functionality to send the Validated Violation to the NIC/VAAHAN Database for further Challan Preparation & Dispatching to Violator's and retrieve vehicle data from RTO/MVD database. E-challan Application has to be integrated with the VAHAN and SARATHI portals.	
4.	Operator Validation Workflow	The E-Challan Generation shall be Validated by the Operator following a defined workflow: (Detection, Number Validation, RTO Check, Details Validation, E-Challan Generation).	

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ANNEXURE-I

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 notwithstanding 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

Request for Proposal for System Integrator for Centralized E-Challan Application

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 _____, 2025. In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this _____ day of _____, 2025 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.

Request for Proposal for System Integrator for Centralized E-Challan Application

Annexure-II

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/E-CHALLAN/2K25-7660**
2. 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.
3. 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.
4. 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 notwithstanding anything else contained to the contrary in this document.
5. 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

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

6. 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.

7. Sealed with the Common Seal of the said Bank this _____ day of _____, 2025. In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this _____ day of _____, 2025 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

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- 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

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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 fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]"

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 requirement will be in accordance with this memorandum.

Annexure "B"**Bill of Materials of District Command and Control Centers**

12 District Command and Control Centers have been established across the State of HP. 6 District Command and Control Centers have Centralised Video Management Software from Vihant and 6 District Command and Control Centers have Centralised Video Management Software with Videoanalytics. The Bill of material of District Command and Control Centres along with technical specifications is as under:-

S.N.	Name of Equipment	Per location Qty.	Total Qty. for 13 locations
1.	Servers for Video Management Software.	01 No.	12 Nos.
2.	Workstation.	01 No.	12 Nos.
3.	Video panels with accessories i.e. wall mount, Push/Pull Bracket, cables, wiring, Installation / commission and networking connectivity for one year etc.	06 Nos.	72 Nos.
4.	Controller for Video Wall.	01 No.	12 Nos.
5.	Centralized Video Management Software.	01 No.	12 Nos.
6.	Online UPS 5KVA.	01 No.	12 Nos.
7.	42U IT Server Rack.	01 No.	12 Nos.

TECHNICAL SPECIFICATIONS OF SERVER

S.No.	Parameter	Specifications
1	Processor	2 x Intel/AMD 3rd Gen Processor 20 Core 2.0/2.3 GHz
2	Memory	Minimum 256 GB RAM DDR4. Upgradable upto 2TB with 16/32 DDR4 DIMM Slots.
3	Disk Drive Bay	Front and Rear Drive Bays
4	Front Drive Bays	Up to 40 x 2.5" SAS/SATA/ NVMe/HOT PLUG (HDD/SSD)
5	Rear Drive Bays:	Up to 4 x 3.5" SAS/SATA/HOT PLUG (HDD/SSD) or Up to 2 x 2.5" SAS/SATA/ NVMe/HOT PLUG (HDD/SSD)
6	HDD Capacity	OS & Application: 2x 480GB SSD in RAID1 configuration.

		100TB Usable Storage to be provided for Video Data Storage.
7	RAID Controller	12Gbps PCIe 3.0 with RAID 1, 5, 6, 10 with 2GB/4GB/6GB/ 8GB Cache Memory.
8	Network Ports	Minimum 2 x 10G SFP+ and 2/4x 1G Base Ethernet ports
9	Interface	Front ports: 1 x VGA, 1 x USB 2.0/3.0, 1x dedicated remote access controller Direct micro-USB/management port. Rear ports: 2 x USB 3.0, 1x USB 2.0/3.0.
10	Power Supply	Redundant hot plug/platinum low halogen Power supplies.
11	Form Factor	1U/2U Rack
12	Operating System	Microsoft Windows Server 2022 / Linux OS
13	Security Features	a. Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks b. Should protect against firmware which executes before the OS boots c. Should provide effective protection/support for Commercial National Security Algorithms, reliable detection & rapid recovery using: - Silicon/immutable silicon-based Hardware Root of Trust - Signed firmware updates - Secure default passwords/advanced encryption standard and triple data encryption standard on browser - Configuration and firmware drift detection/TPM - Persistent event logging including user activity/FIPS 140-2 validation - Secure alerting/ability to rollback firmware - Automatic BIOS recovery/secure recovery-recover critical firmware to known good state on detection of compromised FW - OS recovery - System erase
14	Remote Management capabilities	1.It shall be possible to manage the server hardware and software components remotely. 2.It shall be possible to power on/off and boot the system remotely. 3. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should

		support server power capping and historical reporting and should have support for multifactor authentication 4. Server should have dedicated 1Gbps remote management port 5. Remote management port should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware 6. Server should support agent less management using the out-of-band remote management port 7. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur 8. Applications to access the server remotely using popular handheld devices based on Android or Apple IOS should be available 9. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console. 10. Should support managing multiple servers as one via Group Power Control Group Power Capping Group Firmware Update Group Configuration Group Virtual Media Group License Activation 11. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support
15	Server Management Software	The Systems Management software should provide Role-based security. Should provide Pre-failure warning for CPU, Memory and HDD.
16	OEM PQ	OEM should be featured in leader's quadrant of Gartner's Modular Server Infrastructure twice in last three published year's reports.
17	Warranty	3 years On-site comprehensive warranty with 24x7x365 remote hardware support. Part Replacement on Next Business Day.

TECHNICAL SPECIFICATIONS OF WORKSTATION

S. No.	Parameters	Technical Specifications
1	Processor	Intel Core i7 12th Gen, 12 Core, base 2.1GHz or better
2	RAM	32 GB DDR4/DDR5 nECC or better
3	SSD	256 GB/256GB M.2 or better
4	Chipset	Intel W680
5	Graphic Card	1x Nvidia 4GB Graphics/T400 4Gb with 2 x mDP to DP adaptor or better
6	Network	1G Ethernet onboard
7	Expansion Slots	1 half height PCIe x16 Gen4; 1 half height PCIe x4 Gen 3
8	I/O Ports	1 – USB 3.2 Gen 2 Type C 4 – USB 3.2 Gen 1/2 Type A 1 – Universal Audio Jack 1 – Audio Line OUT / IN
9	PSU	300W up to 92% efficient (80 Plus Platinum) PSU
10	OS	Windows 10 Professional
11	Monitor	Dual 24" FHD Monitor or better
12	Keyboard & Mouse	Wired Keyboard & Mouse
13	Form Factor	Small Form Factor
14	Security Features	Trusted Platform Module (TPM 2.0), Chassis Intrusion switch, Setup/BIOS Password/SFF Solenoid hood lock.
15	Certification	BIS, Energy Star
16	Warranty	3 years On-site comprehensive warranty with 24x7x365 remote hardware support. Part Replacement on Next Business Day.

TECHNICAL SPECIFICATIONS OF VIDEO WALL PANEL

S. No	Parameters	Technical Specifications
1	Category	Video Wall Panel
2	Diagonal Size (Inches)	55"
3	Type	IPS/LED Backlit LCD
4	Resolution	1920*1080 (Full HD)
5	Bezel Gap (screen to screen)	1.8 mm or Lower

6	Depth of Video wall Screen	Must be sleek with depth less than 75mm or better and ADA compliant.
7	Number of HDMI Ports	2 or more
8	Number of Ethernet Ports	1 or more
9	Display Port	Yes
10	HDCP 2.2	Yes
11	Brightness (Typ.)	500 nit or better
12	Operation Hours	24x7
13	Haze%(for lesser reflection of room light)	25% or more
14	Power consumption Typical	100 Watt or lower
15	Output Port DP 1.2	1 or more
16	IP Rating	IP5x
17	Accessories	Remote Control, Batteries, User Manual, Power cable etc.
18	Certifications	BIS, CE, FCC and UL.
19	Operating Temperature	0°C to 40°C or better
20	Humidity	10 % to 80 %
21	Product Life	50000 Hrs MTBF or better
22	Warranty (Years)	3 or more
23	Product must not be from Chinese Origin and OEM under taking for DPIIT Notification must be attached.	Yes
24	OEM must be manufacturer of product and not just importer.	Yes
25	OEM must have service centres in Himachal Pradesh	Yes
26	Certifications	ISO 9001, 14001& 45001.
27	OEM must have R&D facility in India.	Yes
CONTROLLER FOR VIDEO WALL		
28	Processor Chip	Intel i5 Processor
29	Operating System	Windows 10 Pro or higher -64 bit
30	RAM	16 GB or higher
31	SSD	450 GB or better
32	Output	02 no's HDMI Outputs (with Looping)
33	Inputs	4 no's HDMI *FHD Inputs
34	Network	Dual LAN
35	Cooling System	Front Fan 200 x 200 x 30 mm fan
36	Size	Small having dimension (H X W X D) 10.9 x 10.2 x 12.4 inch ±15%
37	Power Supply	Maximum Power Consumption 500W
38	Unix/Linux Emulation	Should be possible to display images from

		Unix/Linux workstation
39	Wall Management Software	Software to be provided to manage the layout on the display
WALL MANAGEMENT SOFTWARE		
40	Scaling and display	Software enable user to display, multiple sources up to any size and anywhere on the display wall. (Pixel to Pixel)
41	RS232, TCP/IP	RS232 & TCP/IP support should be available for other interfaces
42	Remote Control	Controller can be controlled by Remote PC through LAN with MAC OS / OSX and WINDOWS
43	Auto Source Detection	Software should support for auto source detection
44	Layout Management	Should support for Video, RGB, DVI, ,Internet Explorer, Google Crome,Desktop Application and Remote Desktop Monitoring Layouts
45	Scenarios	Software should able to Save and Load desktop layouts from Local or remote machines
46	Layout Scheduler	- All the Layouts can be scheduled as per user convenience - Software should support auto launch of Layouts according to specified time event by user
47	Launch Application	Software should able to Support
48	Integration with touch Interface	system can able to work with 3rd party touch interfaces (Creston ,AMX)
49	User friendly	Software should be user friendly
50	WebUI	Software should support Web Based UI; can be opened for layout control & Create New Layout on windows, android, MAC OS
51	Zoning	Logical Division of Wall with ability to create layouts for specified logical zone without interface with other zone
52	Multiple Video Wall	Software should be capable to control multiple video wall from same software
53	Licensing	Software based licensing with lifetime license on same hardware
54	Source Type Supported	Hardware Inputs, Google Chrome, IE, Screen Scrapping,HTML5,RSSFEED,TICKER,RTP,RTSP,H.264/Video/Images
55	Make In India Purchase Preference	Preference shall be given to Class 1 and Class 2 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum 50% and 20% local content required for qualifying as Class 1 and Class 2 Local Supplier

	respectively. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made, failing which no purchase preference shall be granted.
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CENTRALISED VIDEO MANAGEMENT SOFTWARE (CVMS)

Parameters	Technical Specifications
IMPORTANT FEATURES OF CVMS	
CVMS shall be able to run on open platform like Linux, Ubuntu .	Yes
CVMS shall provide a single graphical user interface (GUI) to monitor, control and administer digital video surveillance Software from multiple systems and platforms.	Yes
CVMS shall include a fully scalable enterprise-class media management system to enable simultaneous live monitoring from multiple locations.	Yes
CVMS software shall be configured to store and to view video streamed by one camera or numerous cameras or NVR and monitor connections across an unlimited number of NVR's	Yes
Workstation Software (CVMS Client): The CVMS Client software shall render video and act as a main human/machine interface.	Yes
Must Support Default rendering recommended mode which enables the user to view live video from multiple cameras at optimum quality. Selecting No Video Display will not display any video.	Yes
Must Support Rendering Mode Configuration I.E. CPU Only, GPU Only and GPU+CPU both	Yes
Must Support Camera Parking feature for PTZ cameras. This feature overrides the Home Preset location of a PTZ camera. Using this feature, user can explicitly park a camera at a particular location of his choice.	Yes
Capable of managing pentaplex user operations of attached recording devices simultaneously, including live viewing, recording, playback, archiving of video data to an internal/external storage device, and handling the exchange of data between the server and a remote workstation.	Yes
Live viewing of up to 64 cameras on a single workstation with up to four monitors set up at CIF resolution. For 1080p and	Yes

up to 4K resolution, the number of live streams shall be bench marked based on the client hardware configuration deployed.	
Integration with multiple digital and network video recording devices.	Yes
Integration with multiple video matrix switchers and matrix keyboards for future scalability.	Yes
The number of recorders and switchers shall be scalable within a network to handle anysize of installation.	Yes
Capable of managing the integration with multiple digital IP cameras upto 10000 through compatible recording devices.	Yes
Must be able to Integrate with electronic access control systems.	Yes
Integration with video analytics and a data management utility.	Yes
Capable of managing failover and redundant capabilities of the recording device(s) and the database server. 1+1/N+M NVR failover and failback automatically or manually. View and playback on one client panel.	Yes
Capable of managing the investigation and video archive search tools of the recording server.	Yes
Capable of managing advanced search capabilities of the recording devices.	Yes
Multi-level user access rights for managing viewing rights and access to the recorder functions.	Yes
Capable of managing continuous, scheduled, manual, event-based and alarm-based recording features.	Yes
Should support various Video Analytics like Motion Detection, Line Crossing, People Counting, Fire Arm Detection, Face Detection etc for better security & monitoring of surrounding areas.	Yes
Simultaneous use of multiple video compression including	Yes
Support for both centralized and distributed architectures. H.264, H.265, MPEG-4 and M-JPEG.	Yes
Utilization of off-the-shelf computer workstations, servers, networking and storageSoftware.	Yes
The system must support to live stream the feed from Radar/ Lidar	Yes
Cyber/Information Security Features	
Enhanced password security –enforcing complex passwords, password expiry, and no default passwords.	Yes
Must Support active directory authentication and data must be stored in encrypted form.	Yes
CVMS must support USB hardware lock protection to avoid unauthorized use/access.	Yes
CVMS Server and Workstation shall have the option of two	Yes

modes of user logins. 1.Windows Authentication: Uses the Windows logged-in user name. 2.User DB Authentication: Uses a pre configured user name and password.	
CVMS Workstation shall provide the following operator functions:	
The operator (with Administrator privileges) shall have the option to configure CVMS. CVMS shall support live updates of all configurations.	Yes
Recorders Configuration: Option to add/edit/delete recorders.	Yes
Camera Configuration: Option to add/edit/delete cameras and associate to a particular recorder or switcher and map to a particular site, partition or event group.	Yes
Keyboard Configuration: Option to add/edit/delete keyboard controllers.	Yes
User Management (Users and Roles): Option to add/edit/delete roles and associate to predefined privileges and then add/edit/delete users and associate users with roles. Option to associate permissions with salvo selection and tool bar buttons.	Yes
Site Configuration: Option to add/edit/delete a site.	Yes
Client Workstation Configuration: Option to add/edit/delete a client workstation.	Yes
Sequence Configuration: Option to add/edit/delete sequences for live video streaming.	Yes
Viewer:	
Capable of being launched multiple times on the same workstation a minimum of four (4) times to display four (4) viewers on four (4) separate monitors per workstation.	Yes
Main video viewing screen capable of showing 1x1, 2x2, 3x3, 4x4, 5x5, 6x6 1x5, 2x8, and 1x12 salvos of live or recorded video. The Viewer application shall be capable of a full screen mode where only the video salvo is displayed.	Yes
Capable of saving current salvo as a View and allowing the user to select the saved view by either dragging and dropping it into the viewer.	Yes
Capable of configuring and running scan sequences.	
Clip Export with Anonymization support: Masking feature is supported for both Playback and Clip Export operations.	Yes
Capable of independently adjusting the contrast, brightness, and saturation settings for each camera on CVMS client/server.	Yes
Support for digital PTZs through the GUI or the keyboard.	Yes
Capable of exporting user selected images or video clips. A digital signature/watermark shall be attached to every exported clip.	Yes
CVMS must support Automated DRONE flying and	Yes

surveillance system to get live video feeds from flying Drone and analyze this video to be used for incident/crime detection. SDK/API for the drone must be supplied by the customer.	
CVMS must be able to integrate/compatible with Smart Street Light management system so that CVMS can power ON/Off street lights depending upon the feedback received from video analysis of cameras.	Yes
Clip Creation: The Clip Creation facility shall permit multi-camera clip generation	Yes
Must Support Four eye authentication which is part of Privacy Protection. This is to restrict all users in a surveillance system to perform Playback operation. While performing playback operation at least two people from different roles should authenticate. For an Administrator, authentication is not required and can perform any playback operation.	Yes
Capable of playing back the exported video clips. Each video channel that is being recorded by the recording system shall be overlaid with text and a time stamp that is customizable by the user.	Yes
Allows the user to initiate recording through the GUI or controller.	Yes
Capable of complete alarm management for the alarms coming from video analysis server.	Yes
Control of operator messaging, allowing operators to communicate with each other in the control room. Operators can exchange text, images and annotated video sources. Operators can hand over a video source to another operator using messaging.	Yes
All the Operators and admin must be able to talk to each other over a VOIP call using client software installed on client workstation.	Yes
Ability to set up surrounding camera views. Support for setting presets in surrounding cameras.	Yes
Support for smooth playback /reverse playback at 2x to 64x speed.	Yes
Automatic PTZ movement using motion in a given area. PTZ camera must follow the subject of interest so as to capture movement in a given area.	Yes
Digital zoom on any live stream so that the operator can have a better view of any Region of Interest.	Yes
Search: The Search facility shall include searches based on date and time.	Yes
Reports: The Report facility shall include event history reports and audit log reports. Must include below reports	Yes
GENERATION OF REPORTS	
The event history report can be generated for cameras, monitors, recorders, and switchers. The event history report	Yes

lists the events related to a device during a time period.		
The operator log report can be generated to view the activities performed by users. The operator log report lists the activities performed by users during a time period.		Yes
The Failover report can be generated to view the list of Failovers occurred or performed in the system by the users.		Yes
The Enterprise report can be generated to view the list of activities performed by users on enterprise recorders.		Yes
The Configuration report can be generated to view the configurations done by users on each server/client.		Yes
The Recording server health report can be generated to view health of all recorders in a system.		Yes
Make In India Purchase Preference.	Preference shall be given to Class 1 and Class 2 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum 50% and 20% local content required for qualifying as Class 1 and Class 2 Local Supplier respectively. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made, failing which no purchase preference shall be granted.	

TECHNICAL SPECIFICATIONS OF 5 KVA ONLINE UPS

S. N.	Parameters	Technical Specifications
1	Capacity	5kVA/4KW Single Phase Input / Output.
2	Technology and Capability	a) True Online configuration with double conversion UPS. b) Microprocessor /DSP based control, using IGBT devices and high switching frequency PWM c) Active Power Factor Correction (APFC) in converter to improve Input Power Factor > 0.99/0.98. d) UPS should be designed at Rated output PF of >0.8/0.9.
3.	Input facility -Phases / Wires	1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground)
4.	Input Voltage Range	160 - 280V AC in Single Phase (On Full Load)
5.	Generator Compatibility	Yes
6.	Input Protection	Should be provided at the input of the UPS suitable for the full rated capacity of the UPS
7.	Nominal Output voltage	220/ 230/ 240VAC (Selectable)
8.	Output Voltage Regulation	±2%
9.	Nominal Output	50 / 60 Hz

	Frequency	
10.	Output Frequency Regulation	+/- 0.1 Hz (Free Running / Self Clocked Mode)
11.	Output Wave Form	Pure sine wave
12.	Output Voltage Distortion (THDv)	<= 3% for Linear load
13.	Crest Factor	3 : 1 On Full Load (Minimum)
14.	Output Short circuit Protection	Electronic / Fused
15.	Transfer Time (Mode of operation)	Nil from Mains mode to Battery Mode
		Nil from Battery Mode to Mains mode
16.	Transfer Time (Inverter to Bypass / Bypass to Inverter)	< 2 ms (Synchronized Mode)
17.	Automatic & Bi-directional static by-pass (In-built)	Should be provided to take care of uninterrupted transfer of load from Inverter to bypass (under overload / fault conditions) & automatic retransfer from bypass to inverter (on removal of overload / fault conditions)
18.	Overall Efficiency (AC to AC) - Online (Double Conversion)	up to 92% (On Full Load) .
19.	Backup Required	120 minutes or higher with min VAH 16000 or Equivalent or Higher.
20.	Battery Bank Voltage	192 to 240 VDC as per OEM standard.
21.	Battery Bank VAh (Vendor to include battery sizing calculations with tender)	Min VAH of Battery Bank is 16000 VAH or Equivalent or Higher.
22.	Batteries Type	Sealed Maintenance Free (SMF) - 12V Cells
23.	Number of Battery Banks	1 battery bank consists of min 16 to max.20 batteries as per OEM standard.
24.	Battery recharge time (After complete discharge) to 90% capacity	8-10 hours.
25.	Communication Ports	USB port & RS232 Port should be provided as standard in the UPS.
26.	EPO (Emergency Power OFF)	Should be provided as standard in the UPS.
27.	Cold Start	UPS should be with inbuilt Cold start feature.
28.	Automatic Restart	UPS should start up automatically on mains resumption after battery low shutdown
29.	Operating Temperature	0 to 40 deg C
30.	Type of Cooling	Natural Convection Cooling through air vents
31.	Noise Level	< 58 dbA at 1 meter distance
32.	Form Factor	Rack & Tower mountable
33.	Product Certificates	IEC62040-1, IEC62040-2, IEC62040-3,

		CE/UE certified product. ROHS compliance product. BIS, Make in India Product.
34.	Manufacturer	As per ISO 9001: 2015 As per ISO 14001: 2015 ISO 45001:2018 or equivalent/ better
35.	Warranty	3 Years Comprehensive onsite Warranty on UPS & 2 years on Batteries.
36.	Make In India Purchase Preference.	Preference shall be given to Class 1 and Class 2 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum 50% and 20% local content required for qualifying as Class 1 and Class 2 Local Supplier respectively. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made, failing which no purchase preference shall be granted.

TECHNICAL SPECIFICATIONS OF IT SERVER RACK

Parameters	Technical Specifications
Rack Type	Server
Usable Height	42U
External Height	1991mm
External Width	600 mm
External Depth	1070 mm
The rack should be designed to provide a secure, managed environment for server and Networking equipment.	Yes
Equipment cabinets to store computer, data storage and networking equipment in the data centers, computer rooms, equipment rooms and for edge applications. Each cabinet shall be designed to provide a secure, managed environment for server and networking equipment. Cabinets shall be designed to accommodate power and cable management accessories that keep network and power cables separate and organized.	Yes
The 42U unit shall have exterior maximum height to allow passage through a standard 7 feet doorway without	Yes

tipping.	
The 42U unit shall support a static load (weight supported by the casters and leveling feet) of at least 1,700 kg. total installed equipment weight.	Yes
The unit shall ship with a perforated front door, perforated split rear doors, four (4) half-height side panels, toolless roof, two (2) vertical frame posts, four (4) adjustable vertical mounting rails, minimum of two (2) and maximum of four (4) vertical PDU mount cable organizers, four (4) leveling feet and four (4) casters, baying and grounding hardware pre-installed by the manufacturer.	Yes
Material Requirements	
All weight bearing components shall be constructed from steel with a thickness no less than 0.9mm.	Yes
All sheet metal parts shall be painted using a powder coat paint process.	Yes
Plastic materials shall meet or exceed Underwriters Laboratory's UL94 standard HB rating.	Yes
All interior components of the cabinets shall not have electroplated zinc coating to minimize zinc whiskers near active equipment.	Yes
Access and Installation:	
1. The unit shall provide 42U of equipment vertical mounting space.	Yes
2. The vertical mounting rails shall be easily adjustable to allow different mounting depths.	Yes
a. Each vertical mounting rail shall be marked on both sides with lines showing the top and bottom of each U and the number U space next to the middle hole. Each U consists of three square holes and is 1.75 inches high.	Yes
3. The unit shall include M6 caged nuts, bolts and cup washers, and caged nut tool for the mounting of equipment inside the unit.	Yes
4. Both the front and rear doors shall be designed with lift-off hinges allowing for quick and easy detachment without the use of tools.	Yes
a. The front and rear doors shall open a minimum of 120 degrees to allow easy access to the interior.	Yes
b. The front door of the unit shall be reversible so that it can be mounted on either side.	Yes
c. Split rear doors are provided for increased service clearance.	Yes
d. The front door of the unit shall be capable of being installed on the rear of the unit and the rear doors shall be capable of being installed on the front of the unit.	Yes
5. The unit shall include half-height side panels that are	Yes

removed without tools using easy finger latches for fast access to cabling and equipment.						
a. The side panels on the unit shall double as privacy panels when the units are bayed together.						Yes
b. Side panels shall be flush with the frame so the overall width of the unit does not change with the side panels installed.						Yes
c. Baying brackets must provide two sets of mounting holes for standard cabinet spacing of 24" or 600mm.						Yes
6. Grounding:						
a. All cabinet components such as doors, side panels, roofs, etc. shall be bonded directly to the frame.						Yes
b. Grounding points shall be provided on the cabinet's frame to externally bond each unit to the building ground.						Yes
Ventilation:						
A. The unit shall have ventilated front and rear doors to provide adequate airflow required by the major server manufacturers.						Yes
B. The unit shall have a minimum total ventilation area for the front door and split rear doors as specified in the table below:						Yes
Rack Type	Internal Height	External Width	Perforated Front Door	Perforated Rear Door		
Server	42U	600mm	5930 cm ²	6689 cm ²		
		(23.62")	(919 in ²)	(1036 in ²)		
CABLE ACCESS						
A. Top cable management openings provided in the cabinet roof.						Yes
Rack Type	Internal Height	External Width	External Depth	Openings Located on Roof	Opening with Roof Removed	
Server	42U	600mm	1070mm	Two 75mm (2.96") x 164mm (6.44"), One 240mm (9.45") x 92mm (3.61"), and Five 171mm (6.75") x 54mm (2.14") Rectangular Openings	567mm (22.31") x 892mm (35.10")	
B. Cable opening edges shall be protected with plastic grommets or radiused edges.						Yes
C. Blanking Panels to be used for covering blank spaces.						Yes
ENVIRONMENTAL						

A. The unit shall have a minimum of IP 20 rating for protection against touch, ingress of foreign bodies, and ingress of water.		Yes
B. Manufacturer must certify products are RoHS compliant.		Yes
C. The cabinet shall both protect the user from mechanical hazards and generally meet the requirements (stability, mechanical strength, aperture sizes, etc.) as defined in IEC 60950 Third Edition.		Yes
SECURITY		
A. The unit shall include a front door lock, rear door lock and four (4) side panel locks. All six (6) locks shall be configured to use the same key. Two copies of the key shall be included.		Yes
B. The manufacturer shall provide optional products and accessories to allow the cabinet environment to be monitored for temperature, humidity, and electronic pass key door access.		Yes
C. The unit shall have mounting provisions for optional door alarm switches to monitor access to the cabinet doors.		Yes
Make In India Purchase Preference.	Preference shall be given to Class 1 and Class 2 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum 50% and 20% local content required for qualifying as Class 1 and Class 2 Local Supplier respectively. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made, failing which no purchase preference shall be granted.	

Specification of an ITMS Installed.

Annexure C

S.NO	Item & Make	Model	Quantity
1.	4 MP or higher CCTV Camera with ANPR Camera	CP Plus CP-UNC-TT41L3-VM	4
2.	5 MP or higher Vari-focal Bullet Camera	CP Plus CP-UNC-TB51ZL6-VMDS	3
3.	5 MP or higher Vari-focal Dome Camera	CP PLUS CP-UNC-VB51ZL4-VMDS	1
4.	8 TB or higher Surveillance Hard Disk	WD/Seagate	4
5.	POE Switch 8 Port	CP Plus CP-ANW-GPM8F2-96/CP-ANW-GPU8GF2-12/CP-ANW-GPU9G2-96	1
6.	POE Switch 16 Port	CP Plus CP-ANW-GPM-16G2F2-25/CP-ANW-GPU16GF2-N30/CP-ANW-GPU16F2-T25/ D-Link DGS-1250-28XMP	1
7.	CAT 6 Cable (Per Mtr.)	D Link /CP Plus make	100 Mtr.
8.	CAT 6 Armored Cable (Per Mtr.)	CP Plus	200 Mtr.
9.	SM Fiber Cable (per Mtr.)	--	2000 Mtr.
10.	Single Mode fiber SFP module with 1000M for SFP Port with Duplex port	--	4 Pic
11.	Optical Fiber Equipment Cords (minimum 3 meters)	-	4 Pic
12.	Optical Fiber Connectors	-	122
13.	1 Pole Square/ Circle Body L /T Shape (The footing of pole should be RCC, pole will be tied with base plate with the help of nut & bolts)	ICC	1
14.	Junction Box	ICC	1
15.	Feeder Pillar	ICC	1
16.	Local Processing Unit (LPU) 4 Core	HP Gen 10 Plus E-2224/Dell	1
17.	Local Processing Unit (LPU) 16 Core	HP Gen 10-5218/ Dell	1
18.	23" TFT LCD Flat Monitor 1280x1024 resolution	LG	2
19.	HDMI Cable	Full HD 5 Meter	2
20.	Wireless Mouse	HP/ Dell	2
21.	Power Extension Board	-	2
22.	Inverter + Battery 2000VA	Sukam/ Standard make	2
23.	12U Rack	D-Link/CP Plus	1
24.	Base Platform License	i2V	2
25.	Automatic Number Plate Recantation (ANPR)	i2V	4
26.	No Helmet License	i2V	2
27.	Triple Riding License	i2V	2
28.	Speed Violation License	i2V	2
29.	Seat Belt Detection License	i2V	2
30.	Per Camera License	i2V	8
31.	PVC Wire 2 Core 2.5mm Copper	Standard make/Anchor/Havells)	100
32.	Pole mount fiber Roller wheel with fiber management	-	44
33.	CMMI Level, Onvif & ARAI Certifications	-	-

ANNEXURE-D

The detail of ITMS installed in all Districts.

Sr. No.	Name of District	ITMS Location
1	PD Baddi (ITMS=10)	Vardhmaan Chowk
		Dattowala
		Sun City Road Baddi
		PS Barotiwal
		Rajpura
		Manpura
		Maganpura on Ropar road
		Near Ameesh Hospital
		Near Anapurna Hotel
		Sai Road Redlight Chowk Malpur
2	Bilaspur (ITMS=8)	Tihra Tunnel -4
		Auhar
		.Mandi Bharari(Padgal)
		Mehla tunnel-1
		Ghumarwin
		Naina Devi Ji
		Bilaspur bus stand
		Stretch at Dadhol Chowk
3	Chamba (ITMS=6)	Sihunta
		Banikhet
		New Balu Bridge
		Bhadram Chwok near Medical College
		Sudli Chowk
4	Hamirpur (ITMS=11)	Bharmour Chowk
		Loharda
		Jahu
		Nadaun
		Bhota
		Near DAV school salsi
		Radha Krishan Temple at Kohli
		NITAnu
		Banni at Badsar
		Stretch at Sukar Khad
5	Kangra (ITMS=11)	Bhumpal
		Jharlog (MoRTH)
		Near SP office Dharamshalla
		Clock Tower Sidhwari
		Sheela Chowk
		PL Dharamshalla Palampur road
		Police Line College Road
		HRTC workshop D/shalla
		Sakoh
		Gaggal to Kangra main road Gaggal chowk
		Nagrota Bagwan Market Area
		Near Post Office Shahpur
		Dad Chowk

6	PD Dehra(ITMS=1)	Jwalamukhi Ji
7	Kinnaur (ITMS=4)	Zero Point Tapari
		Main market at Reckongpeo
		Akpa Check Post
		near Durga Temple Bhawanagar
8	Kullu (ITMS=7)	Bhunter
		Babeli
		Katrain
		Dhalpur
		Manali
		Nehru Kunda near Hanuman Temple
		Kelheli Bhunter
9	L&S (ITMS=3)	Durga Temple Keylong
		Sisu Nursery
		Sumdo
10	Mandi (ITMS=12)	Bhiyuli
		Nareesh Chowk
		Dadour
		Nagchala
		Jaral
		Brindavani
		Khaliyar
		Sarkaghat
		Bhawana
		Chauntra
		Thalout
		Near Police Ground Khudla
11	PD Nurpur (ITMS=3)	Raja Ka Talab
		Kandwal
		Damtal
12	Shimla (ITMS=7)	Chopal
		Rohru
		Faggu
		Nirath Project site
		Near Guruduwara Sunni
		BajeerBawadi
		Near Army Camp Jhakri
13	Sirmour (ITMS==9)	Majara
		Poanta Sahib
		Sarahan
		Rajban
		Shambhu Wala
		Kala Amb
		Industrial area Gondpur
		Pal Dairy and Bakery Dhauakuan
		Near Uco Bank
14	Solan (ITMS=6)	Shamlech
		near Police Line
		Darlaghat
		Dharampur
		Tipra
15	Una (ITMS=10)	near Baba Balaknath Temple Kaithalighat
		Mehatpur
		Red Light Chowk Una

		PL Jhaleda
		PP Pandoga
		Bangana
		Amb near SDPO office
		Gagret
		Rampur Bridge at Haroli
		Near Liveguard
		near Dilma
	Total ITMS = 108	

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37
20 LOCATIONS UNDER INSTALLATION

Sr. No.	District / Unit	Location	Police Station
1	Hamirpur	1. Stretch at Sukar Khad	PS Sadar
		2. Bhumpal	PS Nadaun
		3. MoRTH Jharlog	1. PS Bhoranj
2	Kullu	1. Nehru Kunda Near Hanuman Temple	P.S. Manali
		2. Kelheli Bhunter	1. PS Bhunter
3	Solan	1. Tipra	PS Parwanoo
		2. Near Baba Balaknath Temple Kaithli Ghat	PS Kandaghat
4	Sirmour	1. Sarahan	PS Pachhad
		2. Rajban	PS Puruwala
		3. Shambhu Wala	P.S. Paonta
		4. Kala Amb	P.S. Kala Amb
		5. Industrial area Gondpur	1. PS Paonta Sahib
		6. Pal Dairy and Bakery Dhauakuan	2. PS Majra
		7. Near UCO Bank	3. PS Majra
5	Chamba	1. Bhadram Chowk near Medical College	PS Sadar
		2. Sudli Chowk	PS Chowari
		3. Bharmour Chowk	PS Sadar
6	Shimla	1. Nirath Project Site	PS Rampur
		2. Near Guruduwara Sunni	PS Sunni
		3. Bajeer Bawadi	PS Rampur
		4. near army camp Jhakri	1. PS Jhkari
7	BBN	1. Manpura	PS Manpura
		2. on Nalagarh Ropar Road Maganpura near Himovercease company	PS Nalagarh
		3. Near Ameesh Hospital	1. PS Nalagarh
		4. Near Annapurna Hotel	2. PS Baddi
		5. Sai Road Redlight Chowk Malpur	3. PS Baddi
8	Kinnaur	1. Akpa Check post	PS Moorang
		2. near Durga temple Bhawanagar	1. PS Bhawanagar
9	Kangra	1. Gaggal to kangra main road Gaggal Chowk	PS Gaggal
		2. Nagrota Bagwan Market Area	1. PS Nagrota Bagwan
		3. Near Post Office	2. PS Shahpur
		4. Dhad Chowk	3. PS Palampur
10	Nurpur	1. Damtal	PS Damtal
11	Bilaspur	1. Stretch at dadhol Chowk	1. PS Ghumarwin
12	Una	1. Near Livguard	1. PS Amb.
		2. Near Badhui Dilma	2. PS Amb, Bangana
13	Mandi	1. Near Police Ground Pandoh/ Khudla	1. PS Sadar