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

e-Tender

for

Rate Contract for Supply of Kits for Innovation Labs

E-Tender No: HPSEDC/INNOV-LAB/2K26-10352

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

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

06-03-2026

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SECTION-l

INVITATION FOR E-BIDS

E-TENDER NO: HPSEDC/INNOV-LAB/2K26-10352

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

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

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

GIST OF IMPORTANT GENERAL CONDITIONS

1) The tender has been floated for Rate Contract for Supply of Kits for Innovation Labs. as per specifications mentioned in Annexure- "I'. The rate will be finalised for all the components involved in the specified hardware, where the bidder has quoted lowest (L1) rate, for individual items mentioned in the tender i.e., L1 bidder shall be determined based on the item wise lowest rates. **Only L1 rates** will be conveyed and accordingly purchase orders would be placed for only L1 bidder's rates for each item. However, since the equipment is to be procured and supplied so reasonability of the rates would be ascertained by the tender committee w.r.t. other tenders/ rate contracts in the market. Bidders have to ensure that the **rates quoted for this tender/ rate contract are economical** (or at least equal) than the rates in other rate contracts/ government supplies or open market anywhere else in the country.
2) The rates, as discovered through this RFP, shall be considered for Rate Contract, valid for two years. The terms and conditions of the Rate Contract shall be same as per this tender document.
3) After finalizing the L1 rates, other bidders may be given opportunity to match the prices of L1 bidder, considering this as a solution, if tender committee deems fit to ensure healthy competition and timely supply of hardware. Therefore, bidders are advised to quote their best rates.
4) Unless otherwise specified for a part of the order, the supplies should be completed within **6-8 weeks** from the date of placing the supply order except for snowbound/ tribal areas, where delivery can be made within 8-10 weeks. Delivery is to be made FOR destination 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.
5) The committee reserves the right to negotiate the rates with L1 bidder to bring them to a reasonable level based on the best prices offered by other bidders and current market rates.
6) If the bidder quotes/ reduces, its price to render similar goods, works or services at a price lower than any tender/ rate contract price to anyone in the Country at any time during the currency of this tender, the price shall be automatically reduced with effect from the date of reducing or quoting lower price, for all delivery of the subject matter of procurement under this tender shall be amended, accordingly. The tender holder shall furnish the certificate to

the HPSEDC that the provisions of this clause have been complied with in respect of supplies made or billed for upto the date of this certificate. On the conclusion of the tender the successful bidder shall furnish a certificate that the provision of this clause has been complied with during the period of tender/ rate contract.

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

The tender document will be available on all working days upto last date of bids submission on payment of Rs.5000/- (Rupees Five Thousand only) non-refundable, by demand draft/ RTGS in favour of "HP State Electronics Development Corporation Ltd., Shimla" payable at Shimla. If the tender document is downloaded from the website, the tender fee will have to be deposited along with the bid as a separate bank draft. E-tenders will be uploaded on HP Government e-Procurement portal https://hptenders.gov.in as well on HPSEDC website www.hpsedc.in. Interested bidder can participate by procuring tender.

3.) SCHEDULE OF THE TENDER PROCESS:

S. No.	Information	Details
1.	RFP No. and Date	No: HPSEDC/INNOV-LAB/2K26-10352 Date: 06/03/2026
2.	Price of Tender Document	Rs 5,000/-
3.	Earnest Money Deposit	Rs 50,000/-
4.	Bid validity period	180 days from the last date (deadline) for submission of e-Tenders.
5.	Last date for submission of pre-bid queries	Pre-Bid queries will only be accepted upto 17/03/2026 till 5PM through email and no query will be entertained after 17/03/2026 through e-mail (procurement@hpsedc.in)
6.	Pre-Bid Meeting	Pre-Bid meeting will also be held on 18/03/2026 at 11:30AM through video conference. Video Conferencing link is as under: **meet.google.com/xgd-edpq-dpw**
7.	Bid submission start date	25/03/2026 (11:00 AM)
8.	Bid submission End date	08/04/2026 (02:30 PM)
9.	Opening of e-Tenders Bids	09/04/2026 (02:30 PM)
10.	Tender Download Site	www.hpsedc.in & https://hptenders.gov.in
11.	Venue	H.P. State Electronics Development Corporation Ltd., 1st Floor, I.T. Bhawan, Mehli, Shimla-171013, H.P.

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

(i) Eligibility-cum-Technical Bids shall be opened initially, and eligibility documents will be evaluated.
(ii) Thereafter Technical Bids of Eligible Bidders shall be evaluated.
(iii) Commercial Bids of Eligible and Technically qualified bidders will be opened thereafter.

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

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

5) 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, (Mob)

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 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 must authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000.

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

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

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

5.2.7 Pre-requisites for online bidding:

In order to bid online on the portal https://www.hptenders.gov.in, the user machine must be updated with the latest Java & DC setup. The link for downloading latest java applet & DC setup is 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 athttps://www.hptenders.gov.in., and click on the available link 'How to ...?' to download the file.

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

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

SECTION 2

INSTRUCTIONS TO BIDDERS

A- INTRODUCTION

2.1.Eligible Bidders

Sr. No.	Pre- Qualification Criteria	Required details to be accompanying the Bid document
1.	The bidder should be registered under the Indian Companies Act, 1956/ 2013 or Proprietor's firm/ Partnership Firms (LLP) registered under LLP Act 2008 or subsequent amendments.	Memorandum of Association (MoA), Articles of Association (AoA) of bidder and detailed profile of the Company/ Firm/ Government License and COI, GSTN, PAN for proprietors/ bidder
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.	(i) Demand Draft (DD)/ RTGS of Rs. 5000/- (Rupees Five Thousand only) (ii) Earnest Money (Rs. 50,000) Deposit (EMD) as mentioned in clause 2.10 DD / EMD may be submitted through RTGS in HPSEDC A/c : A/C No. 050010200006521, IFS Code: UTIB0000050, Axis Bank, SDA Complex, Shimla-9, HP.) Receipt/Copy of the demand draft/RTGS should be uploaded.
3.	The Bidder should have a valid GST Number, PAN Number	Relevant Registration Certificates (copies to be enclosed)
4.	A Bidder should be Original Equipment Manufacturer (OEM) or Authorised Principal National Distributor/ Regional Distributor/ Authorized Reseller/ Importer/ large Scale system integrator duly authorised by the OEM (Original Equipment Manufacturer) of the required equipments respectively. It will, however be, preferred that the Original Equipment Manufacturers (O.E.M.) quotes directly.	Authorization letter from OEM in format given at Performa-A in case OEM not bidding directly.
5.	The annual turnover (in terms of sales of hardware of similar nature as that of items listed in the RFP in India) of the OEM whose equipment are sought to be supplied,	CA certificate for turnover as mentioned in the criteria. OR

	should be at least Rs. 2 Crores per annum for the last 3 years, i.e., for year 2022-23, 2023-24 and 2024-2025.	Audited Balance sheets from company Statutory Auditor/ CA from OEM & financial data of the last three years
6.	The Bidder should have an average annual turnover of at least Rs. 50 Lakh during last three financial years from similar activities, i.e., should have supplied hardware equipment and items similar to those listed in this RFP, from India Operations i.e., for year 2022-23, 2023-24 and 2024-2025.	CA certificate for turnover as mentioned in the criteria. OR Audited Balance sheets from company Statutory Auditor/ CA from OEM & financial data of the last three years
7.	A Bidder or its OEM {themselves or through re-seller(s)} quoting for these items, must have supplied /installed Minimum 100 Nos similar equipment/Kits by the OEM/ Bidder during the last three years (from 1st Jan 2023 till last date of bid submission) in Government/Semi Govt. / PSUs/ Autonomous bodies of Central/ State Govt. /Corporate sector.	Certificates from client regarding satisfactory supply and maintenance/ purchase orders. In case of non-disclosure agreement, confirmation regarding size and value of the project may be submitted from the client.
8.	The bidder should either have positive Net worth in last three years or should be a profit-making Company/ firm in any two years during the immediately preceding last 3 financial years as per audited balance sheets.	CA certificate for turnover as mentioned in the criteria. OR Audited Balance sheets from company Statutory Auditor/ CA from OEM & financial data of the last three years
9.	Bidder and the OEM must have dedicated /toll Free Telephone No. for Technical Assistance and should be available 24X7, without any holidays.	Contact information and availability hour's details.
10.	Bidder and the OEM must provide Escalation matrix for service support.	Bidder and the OEM must provide Escalation Matrix along with Telephone Numbers for Service Support.
11.	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-C.
12.	The bidder should have submitted the declaration of acceptance of terms and conditions of this RFP as per FORM B	Declaration from Authorized Signatory as per FORM B
13.	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	Supporting documents/ certificate from company's authorised signatory shall be submitted by the bidder.

	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.	

Note: -

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

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

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

Total Purchase Preference =30%)

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

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

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

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

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

Either OEM or its authorised reseller 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.

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 by giving upto 7 days to the bidders for submission of bids.

2.6 Amendment of Bids:

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

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

C - PREPARATION OF BIDS

2.7 Language of Bid & Correspondence:

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

2.8 Documents comprising of Bid:

The Bidder will prepare the bid in two parts.

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

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

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

II. COMMERCIAL BID:

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

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

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

2.9 Bid Currencies:

2.9.1 Prices shall be quoted in Indian Rupees.

2.9.2 The contract price shall be paid in Indian Rupees.

2.10 Bid Security:

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

Sr. No.	**Description**	**Bid security amount in Rupees.**
1.	Rate Contract for Supply of Kits for Innovation Labs.	Rs 50,000/- (Rupees Fifty Thousand 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 BG/ Demand Draft/ through RTGS 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 shall be discharged to the bidder upon finalization of the Rate Contract/ Tender and signing of the agreement.

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

2.10.8 The Bid Security may be forfeited:

1. If a Bidder withdraws its bid during the period of bid validity specified by the bidder and required by the Purchaser.
2. During the tendering process, if a Bidder indulges in any such activity as would jeopardise or unnecessarily delay the tender process. The decision of the Purchaser regarding forfeiture of the Bid Security/EMD shall be final & shall not be called upon question under any circumstances.
3. In the case of a successful Bidder, if the Bidder fails,

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

(ii) to furnish Performance Security, or

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

2.11 Period of validity of Bids:

2.11.1 For the purpose of placing the order, the Bids shall remain valid for at least 180 days after the date of bid opening. A bid valid for a shorter period may be

rejected by the Purchaser as being non-responsive. During the period of validity of Bids, the rates quoted shall not change. However, in case of general fall in prices of a product in the IT/ Electronics Industry before despatch of goods, such a reduction shall be passed on to the Purchaser after mutual negotiations.

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

D-SUBMISSION OF BIDS

2.12 Submission of Bids:

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

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

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:

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 Bids, the Tender Committee may at its discretion ask the Bidder for a clarification

regarding its Bid. The clarification shall be given in writing immediately, but no change in the price shall be sought, offered or permitted. The Technical e-Bids of only the Eligible Bidders will be opened and the contents (particularly Compliance Sheets) will be announced in the presence of all Bidders or their representatives. An open discussion regarding technical parameters quoted by various Bidders may also take place, if required. The Compliance/ Deviation statement submitted by the Bidders shall be compared against the Product Catalogues and authenticated circulars regarding latest changes in the specifications. It will thus be ascertained whether the product offered by the Bidder matches with the minimum requirement as given in the Technical Specifications in this Tender Document. The Financial Bids of only those eligible and technically qualified bidders will be opened who also fulfil minimum technical requirements mentioned in this document. However, the Tender Committee reserves the right of giving minor relaxation, if a particular Bidder is not able to exactly match the specifications given in the Tender Document, provided that such a minor deficiency does not substantially reduce the performance level and is suitably compensated by some extra feature in the product. 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 Compliance Sheets, deviations, if any, extra features offered by them. The decision of the Purchaser about giving minor relaxation shall be final and shall not be called upon question under any circumstances. The evaluation committee, if so, desire may ask for the demonstration of the quoted solution/products, for which sufficient time will be given for arranging demonstration.

2.16.6. Opening of Bid Security:

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

2.16.7. Opening of Commercial Bids of substantially Responsive Bidders:

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

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

2.17. Evaluation and Comparison of Commercial Bids:

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

2.17.2 Bid Comparison:

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

2.17.3. Item Rate:

Item Rate for each item for all will be calculated as under.
Item Rate = FOR Destination Unit Price of the Item under a category including installation charges (if any) with three years warranty inclusive GST of the Item in a Category.

<u>Note 1:</u>

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

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

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

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

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

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

2.18. RANKING OF BIDDERS:

2.18.1. Bidders will be ranked in the inverse order of 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.

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, 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 tender/rate contract etc. will be kept in mind. The scope of negotiations may also include precise *modus-operandi* of

after-sales service, mode of delivery, system integration and price of add-ons & consumables etc.

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

2.19.6 After this final ranking is done based on negotiated prices, award of tender/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 tender/rate contract.

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

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

2.23 Notification of Award:

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". 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.

SECTION-3

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:

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

3.4 Patent Rights of the Goods:

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

3.5 Performance Security:

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

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

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

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

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

3.5.4 The Performance Bank Guarantee shall be given in one of the following forms:

An irrevocable and unconditional Bank Guarantee in favour of the Purchaser issued by a Nationalised/schedule bank in a format given by the Purchaser. This Bank Guarantee should be of a sufficient duration to cover the risk of the

Purchaser.

3.5.5 The Performance Bank Guarantee, regarding delivery & installation will be discharged by the Purchaser and returned to the Supplier not later than 30 days following the date of completion of the Supplier's performance related obligations, under the Contract (excluding after sales maintenance for which separate performance guarantee has been taken).

3.6 Inspections and Tests:

3.6.1 The Purchaser or its representative shall have the right (if so desire) 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 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 items shall depute its technical person if end user is facing problem in installation/working of software. On-line support will be made available without any charges to end user.

3.7 Packing Delivery & Documentation:

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

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

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

3.8 Insurance:

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

3.8.2 The supplier will indemnify the Purchaser from all responsibility of compensation

etc. caused by third party injury including death while he is discharging his duties under the contract.

3.9 Transportation:

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

3.11.2 **Second Instalment:** Remaining amount of 15% of the order value shall be paid after satisfactory installation of equipments and execution of Performance Guarantee for proper maintenance during warranty period as mentioned at Clause 3.5. If the installation is delayed beyond 45 days on account of site not being ready (or any other reasons entirely attributable to the Purchaser) or any other reason attributable to the Purchaser, $^{2}/_{3}$ of the second instalment (i.e., 10% of the order value) shall be released to the Supplier subject to submission of site not ready (SNR) report from concerned department. In such an unlikely event of the site not being ready, the remaining amount $^{1}/_{3}$ of the second instalment (i.e., 5% of order value) will be released after submission of successful installation reports of the ordered equipment(s) duly singed by the competent authority of the department(s).

Note: *First & second instalments shall be released only on production of bill supported by*

delivery challan and installation report by the Supplier. Any bill supported by requisite documents will be processed and objections, if any, will be conveyed in one go. If the claim is found in order, the payment will be made accordingly as per the funds released from the End User Department.

3.12 Prices:

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

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

3.13 Modification in the Order:

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

(a) The specifications of the Goods

(b) The method of shipment or packing

(c) The service to be provided by the Supplier

(d) Quantity of goods

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

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

3.14 Subcontract:

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

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

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

3.15 Delays in the Supplier's Performance:

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

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

(i) Forfeiture of its performance security,

(ii) Imposition of liquidated damages @Rs 50/- per day per equipments of the unfulfilled order. The maximum penalty will not exceed 10% of the order value.

(iii) Termination of the contract and risk purchase at Supplier’s risk

(iv) Initiation of any other legal proceedings.

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

3.16 Termination for Default:

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

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

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

3.16.2 In the event the Purchaser terminates the Contract in whole or in part, he may procure, upon such terms in such manner, as it deems appropriate, goods similar to

those undelivered, and the Supplier shall be liable to pay excess cost of such similar goods to the Purchaser. This liability will be in addition to forfeiture of performance guarantee and any other legal proceedings, which the Purchaser may initiate as per Para 3.15.2.

3.17 Force Majeure:

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

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

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

3.18 Taxes and Duties:

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

3.19 Limitation of Liablitiy:

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

3.20 Arbitration:

All disputes, differences, claims and demands arising under this tender shall be refered to arbitration of a sole arbitrator to be appointed with mutual consent of

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

SECTION-4

TECHNICAL SPECIFICATIONS AND MAINTENANCE CONDITIONS

4.1. SCOPE OF THE TENDER:

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

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

(i) Manufacture/Import

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

(ii) Testing

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

(iii) Supply

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

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

(v) After-Sales-Services

The supplier shall keep equipments as spare (as finalised of tender to be mutually decided), to provide immediate replacement, with the service centre during the warranty period. It will be desirable that minor functional problems of these equipments are taken care of by the service centre only. In case of major & specific problems, respective vendors will have to rectify the defect within the time-limits prescribed in Para 4.2.2 below, otherwise must have to replace with the new one.

4.2 AFTER SALES SERVICES:

4.2.1 Comprehensive Warranty:

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

4.2.2 Service Centre:

The successful bidder should have a dedicated service centre in the state. 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.

4.2.3 Inventory of Spares:

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

4.2.4 The amount of non-delivery of products as mentioned in Clause No. 3.15: **Delays in the Supplier's Performance** and Clause No. **4.2: After Sale Services** or any other recoverable amount from bidder(s) may be adjusted/ recovered or set-off against any sum payable to the bidder against any other

contract with HPSEDC or with State Government. The amount shown against that shall be withheld to be adjusted against the compensation levied as mentioned above. Recovering or deducting of this amount on failure of delivery/ delay in delivery or not providing services in time bound manner, shall be automatic deducted without any notice to the concerned bidder.

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

4.3 TECHNICAL SPECIFICATIONS & QUANTITIES:

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

4.4. Compliance sheets:

(i) Compliance Sheets as per Annexure-I 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.

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/INNOV-LAB/2K26-10352**

Dear Sir,

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

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

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

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

Yours very truly,

Name : _____
Designation: _____
Company: _____

FORM-B

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/INNOV-LAB/2K26-10352**] regarding Rate Contract for Supply of Kits for Innovation Labs. for Tender/Rate Contract by HPSEDC. I declare that all the provisions of this Tender Document contained in this tender and subsequent corrigendum(s)/ clarifications issued from time to time are acceptable to my Company/firm. I further certify that I am an authorised signatory of my company and am, therefore, competent to make this declaration.

Yours very truly,

Name: _____

Designation: _____

Company: _____

Address: _____

Contact No: Email-id:

FORM-C

DECLARATION REGARDING PAST PERFOMANCE

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/INNOV-LAB/2K26-10352**] regarding Rate Contract for Supply of Kits for Innovation Labs. by HPSEDC. I hereby declare that my company has not been debarred/blacklisted by any Government / Semi Government organizations for quality/ service products nor is there any pending dispute regarding short shipment/ installation/service. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours truly,

Name: _____

Designation: _____

Company: _____

Address: _____

Contact No:

Email-id:

SCHEDULE - I

SAMPLE OF PRICE SCHEDULE/BOQ

[Para 2.8 (III)(i)]

(to be completed by bidder as per the format available on e-procurement portal https://hptenders.gov.in)

Sl. No.	Items	Qty	BASIC RATE with installation (if any) and three year warranty In Figures To be entered by the Bidder in Rs. P	GST Amount in Percentage (%)	GST amount in Rupees Rs. P	Unit Price with GST Rs. P	TOTAL AMOUNT Without Taxes with one-year warranty Rs. P	Gross Bid Value Inclusive installation and Taxes (for three-year onsite OEM warranty) Rs. P	TOTAL AMOUNT In Words
1.	*Item No. 1: DIY Robotic Kit*								
2.	*Item No. 2: Artificial Intelligence Kit – Package 1*								
3.	*Item No. 3: Artificial Intelligence Kit – Package 2*								
4.	*Item No. 4: Programmable Robotic Arm*								
5.	*Item No. 5: UAS/ Drone Simulator Software*								
6.	*Item No. 6: Nano Unmanned Aerial System (Nano UAS)*								
7.	*Item No. 7: 3D Printer (FDM Technology) – Option 1*								
8.	*Item No. 8: 3D Printer (FDM Technology) – Option 2*								
9.	*Item No. 9: 3D Printer Filaments*								
10.	*Item No. 10: AR/VR Educational Headset with Module*								
11.	*Item No. 11: Large Display Screen (Smart Display/ Television)*								

Rate Contract for Supply of Kits for Innovation Labs.

12.	*Item No. 12: Workstation (Desktop/ All-in-One Computer)*								
13.	*Item No. 13: Modular Workstation – 4 Seater*								
Total in Figures							**0.00**	**0.00**	INR Zero Only
Quoted Rate in Words		**INR Zero Only**							

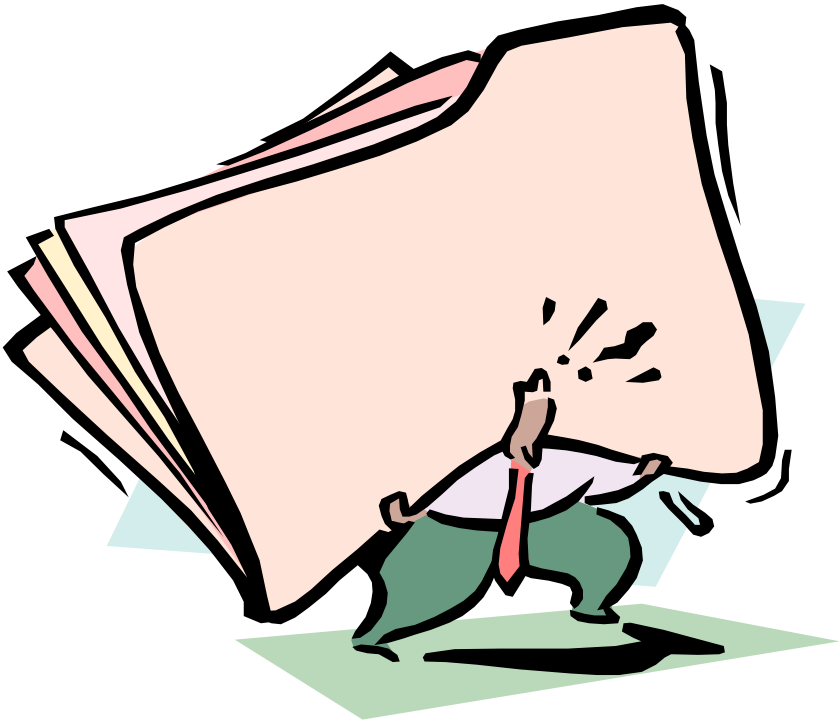
SECTION- 5

TECHNICAL SPECIFICATIONS

ANNEXURES

Tender Document No:

HPSEDC/INNOV-LAB/2K26-10352



NB: Final specifications uploaded after pre-bid meeting. Please visit our websites 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 four 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.

ANNEXURE-I

SECTION – V

TECHNCIAL SPECIFICATIONS AND COMPLIANCE SHEETS ANNEXURES

The specification mentioned hereunder are bare minimum requirement. Bidders are encouraged to offer better specifications in this bid or subsequently during the period of tender/rate contract. Technical compliance to be provided on OEMs letterhead with signatures, name, email, contact number of Authorized signatory.

Item No. 1: DIY Robotic Kit

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
A.Micro Controller / Development Board	Micro Controller	8-bit AVR family microcontroller or equivalent or better	
	Flash Memory	Minimum 32 KB	
	Clock Speed	Minimum 16 MHz	
	Operating Voltage	5V DC	
	Digital I/O Pins	Minimum 20	
	Analog Input Resolution	Minimum 10-bit	
B. Power Supply System			
Rechargeable Battery	Type	Lithium-Ion/ Lithium-Polymer or Equivalent	
	Voltage	3.7 V	
	Capacity	Minimum 2000 mAh	
Battery Charging Module	General	Compatible with supplied battery	
		With over-charge and short circuit protection	
Battery Holder	General	Suitable for rechargeable battery configuration	
Power ON/OFF Switch	General	Physical switch provided on board or	

		inline	
C. Controller PCB / Interface Board			
The controller PCB shall include integrated interfaces for robotic learning applications and shall support:	On-board Motor Driver	Suitable for supplied DC motors	
	Micro controller board connector	Minimum 28-pin interface	
	Status LEDs (Power and Activity indication	Yes	
	Bluetooth Module Interface	Female connector or header support	
	Motor output connectors	Yes	
	Distance Measuring sensor connector	Yes	
	I2C LCD Connector	Yes	
	Servo Motor Connector	Yes	
	Analog Input Connector (for joystick or sensors)	Yes	
D. Motors and Mobility Components			
DC Motors	Type	DC Gear Motor	
	Operating Voltage	5V DC or compatible	
	Quantity	As required for robotic movement	
Wheels	Diameter	Approx 6 cm to 7 cm	
Castor Wheel	Quantity	1 unit per Kit	
E. Display Module	LCD Type	Alphanumeric Display	
	Display Size	16 characters x 2 lines	
	Interface	I2C	
	Operating Voltage	Compatible with 5V system	
F. Distance Measuring Sensor Module	Type	Ultrasonic or equivalent distance measuring sensor	
	Operating Voltage	5V DC	
	Measuring Range	Minimum 2 cm to 250cm	
G. Optical / Reflective Sensor	Sensing Method	Reflective IR (Emitter + Receiver) or equivalent	
	Operating Voltage	3.3 V to 5V DC	
	Detection Range	Approx 2cm to 25cm	
H. Servo Motor	Type	Micro Servo Motor or equivalent	
	Motion Range	0 to 180 degrees	
	Operating Voltage	4.8V to 6V DC	
I**. Cables and Connectors**			
USB Cable	Type	USB-A to USB-B or USB-A to uSB-Micro/Type-C	

	Length	Minimum 30 cm (12 inches)	
Interconnection Cables	For I2C LCD	Yes	
	For Distance Measuring Sensor	Yes	
J. Mechanical Accessories / Attachments	Protective Casing for Distance Measuring Sensor	Yes	
	Pen Holder Attachment (for plotter / writing experiments)	Yes	
	Servo Motor Mount / Stand	Yes	
	DC Motor Mount / Holder	Yes	
K. General and compliance Requirements	The kit shall be supplied as a complete, ready-to-assemble functional unit		
	All components shall be new, unused, and free from manufacturing defects		
	Components shall be inter-compatible without additional proprietary accessories		
	Kit shall be suitable for: oRobotics education oSTEM learning oSkill development programs		
L. Documentation	User manual or assembly guide (physical or digital)		
	Sample programs or learning resources (offline/online)		

Item No. 2: Artificial Intelligence Kit – Package 1

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
A. Single Board Computer (SBC)	Processor	ARM-based processor suitable for AI and embedded learning applications	
	RAM Capacity	Minimum 1 GB	
	Display Interface	At least one HDMI/ micro-HDMI port	
	GPIO Interface	Standard 40-pin GPIO header	
	Storage	Micro SD card Capacity: minimum 16 GB Compatible with the supplied SBC	
B. Camera Module	Resolution	Minimum 5MP	
	Compatibility	Fully compatible with the supplied single board computer	
	Interface	CSI/dedicated camera interface or equivalent	
	Intended Application	Computer vision and AI experimentation	
C. Power Supply System			

Power Source	Regulated power adapter or power module compatible with SBC voltage and current requirements	Yes	
	Protection against over-voltage and short-circuit	Yes	
Battery	Type	Rechargeable Lithium-Ion / Lithium-Polymer or equivalent	
	Voltage	3.7 V	
	Capacity	Minimum 2000 mAh	
Battery Charger	Compatible with supplied battery	Yes	
	With basic protection circuitry	Yes	
D. Display Module	Display Size	Minimum 5 inch	
	Resolution	Suitable for SBC-based graphical interface and AI outputs	
	Interface	HDMI/ DSI/ equivalent supported interface	
	Mounting	Compatible with educational/ lab use	
E. Power/ Interface PCB	PCB Typer	Power distribution / interface board	
	Battery Holder	Multi-cell battery holder or protective battery case	
	Connectors	2-pin male power connector	
	Safety	Proper insulation and mechanical stability.	
F. Interfacing/ Motor Driver Board			
The interfacing board shall support basic robotic and control experiments and include	Connector Interface	6-pin female connector or equivalent	
	Visual Indicators	1. Power indication LED 2. Motor status indication LED	
	Motor Driver	1. On-board motor driver suitable for low-voltage DC motors 2. Over-current protection desirable	
G. Mobility Component	Castor Wheel	Quantity: 1 No. per kit	
		Suitable for small robotic platforms	
H. General and Compliance Requirements	The kit shall be supplied as a complete, functional package		
	All components shall be: 1. New and unused 2. Free from manufacturing defects		
	All modules shall be: 1. Mutually compatible 2. Non-proprietary and replaceable		
	The kit shall be suitable for:		

	1. Artificial Intelligence learning 2. Embedded systems education 3. Computer vision experimentation 4. Introductory robotics integration	
I. Documentation	User / setup manual (physical or digital)	
	Sample programs or reference material for AI and vision experiments	

Item No. 3: Artificial Intelligence Kit – Package 2

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
A. Servo Motor	Typer	Micro/ small servo motor or equivalent	
	Gear Material	Plastic or equivalent non-metal gear	
	Motion Range	Minimum 0 to 180 degrees	
	Operating Voltage	4.8V to 6V DC	
	Intended Use	Actuation for robotic and AI learning applications	
	Quantity	As required for intended educational experiments	
B.Single Board Computer (SBC)	Processor	ARM-based processor suitable for AI and embedded learning applications	
	RAM Capacity	Minimum 1 GB	
	Display Interface	At least one HDMI/ micro-HDMI port	
	GPIO Interface	Standard 40-pin GPIO header	
	Storage	Micro SD card Capacity: minimum 16 GB Compatible with the supplied SBC	
C. Power Supply			
Power Adapter	Output Voltage	5V DC	
	Current Rating	Adequate for SBC and connected peripherals	
	Connector Type	DC socket or equivalent	
Protection	Over-voltage and short-circuit protection	Yes	
D. Display Module	Display Size	Minimum 5 inch	
	Resolution	Suitable for SBC-based graphical	

		interface and AI outputs	
	Interface	HDMI/ DSI/ equivalent supported interface	
	Intended Use	Display for AI application output, system interaction, and learning demonstrations	
E. Camera Module	Resolution	Minimum 5MP	
	Compatibility	Fully compatible with the supplied single board computer	
	Interface	CSI/dedicated camera interface or equivalent	
	Intended Application	Computer vision and AI experimentation	
F. General and Compliance Requirements	The kit shall be supplied as a complete, ready-to-use functional package		
	All components shall be: oNew and unused oFree from manufacturing defects		
	All modules shall be: oMutually compatible oNon-proprietary and replaceable		
	The kit shall be suitable for: oArtificial Intelligence learning oEmbedded systems education oComputer vision experimentation oIntroductory robotics and actuator control		
G. Documentation	User / setup manual (physical or digital)		
	Sample programs or reference material for AI and camera applications		

Item No. 4: Programmable Robotic Arm

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
Robotic Arm	Type	Programmable robotic arm	
	Degrees of freedom	Minimum 4-Axis	
	Payload capacity	Minimum 200 grams	
	Reach/ Size	Minimum overall reach or height equivalent to 2.5 feet	
	Construction	Suitable for repeated educational and training use	
	Intended Application	1.Robotics learning 2.Automation concepts 3.STEM and skill development	

		programs	
Programming & Control	Programming method	1.Block-based graphical coding software 2.Compatible with beginner and intermediate learners	
	Connectivity	Wired and/or wireless programming support	
	Software	1. Should support basic motion control, sequencing, and automation logic 2. Platform-independent or commonly available OS support preferred	
Power Supply	Power source	12V DC adapter or rechargeable battery	
	Electrical safety	Over-current and short-circuit protection recommended	
Communication Module	Bluetooth	Bluetooth module or equivalent wireless communication module	
	Interface	Female header / connector provided for wireless module integration	
Display/ User Interface Device	Type	Android-based display or handheld control device	
	Display Size	Minimum 5 inch	
	RAM	Minimum 3 GB	
	Internal Storage	Minimum 32 GB	
	Intended Use	1. Program execution 2. Manual control 3.Visualization of robotic arm operation	
Manual Control Interface	Joystick	1. Joystick or equivalent manual control interface 2. Used for real-time arm movement and positioning	
General & Compliance Requirements	The system shall be supplied as a complete, functional robotic arm kit		
	All components shall be: 1. New and unused 2.Free from manufacturing defects		
	All interfaces and modules shall be: 1. Mutually compatible 2. Non-proprietary and replaceable		
	The robotic arm shall be suitable for: 1.Educational institutions 2. Training centers 3.Skill development initiatives		
Documentation	•User manual / setup guide (physical or digital)		

	•Sample block-based programs or learning resources	

Item No. 5: UAS/ Drone Simulator Software

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
Simulator Environment	Environment Type	Realistic Unmanned Aerial System (UAS) simulation environment	
	Visuals	Real-world–like terrain, flight physics, and environmental effects	
Supported UAS Types The simulator shall support multiple categories of UAS	Multirotor UAS	Yes	
	Fixed-wing UAS	Yes	
	VTOL/ Hybrid UAS	Yes	
Training Modes	Training Levels	Beginner Intermediate Advanced/ Professional	
	Mode Selection	User-selectable difficulty and complexity levels	
Functional Features	Pilot Interface	Simulated pilot control panel / dashboard	
	System Operations	Ability to switch and manage UAS functions during flight	
	Flight Parameters	Control over speed, altitude, orientation, and mission-specific behaviors	
Control Interfaces	Supported control Methods	1. Physical joystick(s) 2.UAS-style remote controller 3. Keyboard and mouse support (optional)	
	Hardware Compatibility	Compatible with commonly available USB-based controllers	
Skill Evaluation & Grading	Performance Assessment	Operator skill scoring/ grading system	
	Metrics	Accuracy, stability, mission completion, and error handling	
	Reporting	Display of performance score and training progress	
Simulation Modules/ Scenarios	Training Module	Structured training levels: Minimum 10 levels	
	Mission/ Scenario Modules	•Logistics / Payload Delivery Missions •Free Flight / Open World Mode	

		•Swarm Operation Simulation •Attack / High-risk Scenario Simulation	
Platform and Licensing	Platform	PC-based simulator compatible with standard desktop or laptop systems	
	Licensing	1. Standalone or network license acceptable 2.Educational / institutional licensing preferred	
General & Compliance Requirements	Software shall be: 1. Original and properly licensed 2. Free from malware and security vulnerabilities		
	Suitable for: 1. Training institutions 2. Skill development programs 3. UAS pilot training		
Documentation and Support	•User manual or help documentation •Basic installation and operation guidance •Training or demo content (offline or online)		

Item No. 6: Nano Unmanned Aerial System (Nano UAS)

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
A. Airframe & Construction	Type	Nano UAS/ Micro Drone	
	Construction	PCB-based or equivalent lightweight structural design	
	Configuration	Multirotor configuration suitable for nano-class operation	
B. Propulsion system			
Propellers	Size	Approx. 55 mm	
	Configuration	Clockwise(CW) and counter-clockwise (CCW) propellers	
Motors	Type	Coreless DC motor	
	Specification	Equivalent to 7x20 mm class or better	
C. Power System			
Battery	Type	Rechargeable lithium-polymer (LiPo)	
	Capacity	Minimum 600 mAh	
	Operating Voltage	Suitable for nano UAS operation	
Battery Safety	Protection circuity	Yes	

	recommended		
D. Dimensions	Overall size	Approx 10cm x 10 cm	
E. General & Compliance Requirements	The Nano UAS shall be: oNew and unused oFree from manufacturing defects		
	Suitable for: oEducational demonstrations oTraining purposes oIndoor flying and nano-UAS experimentation		
	All components shall be: oMutually compatible oNon-proprietary and replaceable		
F. Documentation	•Basic user guide or specification sheet •Safety instructions for battery handling and operation		

Item No. 7: 3D Printer (FDM Technology) – Option 1

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
Printing Capability	Printing Technology	Fused Deposition Modelling (FDM)	
	Build Volume (LxWxH)	Minimum 220x220x250 mm	
	Layer Height	Adjustable from 0.1mm to 0.35 mm	
	Printing speed	Up to 600 mm/s	
	Acceleration	<= 20,000 mm/ s^2	
Extrusion system	Extruder Type	Direct drive extruder (dual-gear or equivalent)	
	Filament Diameter	1.75 mm	
	Nozzle Diameter	0.4 mm (interchangeable)	
	Maximum Nozzle Temperature	≤ 300°C	
	Maximum heated bed temperature	≤ 100°C	
Material Compatibility	The printer shall support common FDM filaments, including: •PLA, PETG, ABS •TPU or equivalent flexible filament •Engineering filaments such as ASA, PA, PC or equivalents •Fibre-reinforced variants (CF-based) where supported		

Mechanical & Physical Characteristics	Machine Dimensions (LxWxH)	Approx. 355 × 355 × 480 mm	
	Net weight	Approx. 12-13 kg	
	Construction	Rigid frame suitable for high-speed printing	
	Bed Type	Heated build platform (removable or flexible plate preferred)	
Electrical & Power	Input Voltage	100–120 VAC / 200–240 VAC, 50/60 Hz	
	Power rating	Approximately 350 W	
User Interface & Control	Display	Color touch screen	
	Display Size	Minimum 4.3 inch	
	User Controls	On-screen printer operation and monitoring	
Data Transfer & Connectivity	Data transmission methods	1. USB drive 2. Wi-Fi	
Software & File Compatibility	Supported Slicing Software	Open- source or widely used slicers such as Cura (version 5.0 or later), or equivalent	
	Supported File Formats	STL, OBJ, 3MF	
Shipping & Logistics (Indicative)	Shipping weight	Approx. 16-17 kg	
	Shipping dimensions	Approx. 44 x 44 x 58 cm	
General & Compliance Requirements	The 3D printer shall be: 1.New and unused 2. Free from manufacturing defects		
	Suitable for: 1.Educational institutions 2. Prototyping labs 3.Skill development centers		
	All consumables and accessories shall be: 1. Non-proprietary where feasible 2. Easily replaceable		

Item No. 8: 3D Printer (FDM Technology) – Option 2

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
Printing Capability	Printing Technology	Fused Deposition Modelling (FDM)	
Build & Print Capability	Build Volume (L x W	Minimum 220 x 220 x 250 mm	

	x H)		
	Layer resolution	Adjustable between 0.1 mm and 0.4 mm	
	Maximum nozzle temperature	Minimum 250°C	
	Maximum heated bed temperature	Minimum 100°C	
Extrusion & Materials	Filament Diameter	1.75 mm (industry standard)	
	Compatible Filament Types	1. PLA 2. ABS 3. PETG 4. TPU	
Connectivity & Data Transfer	Supported Connectivity	USB SD Card	
Software & Operating system support	Operating system compatibility	1. windows 2. Mac OS 3. Linux	
	Slicer Software	Compatible with commonly used or open-source slicing software	
Mechanical Construction	Frame	Metal frame (Aluminium or equivalent)	
	Build platform	Heated build plate suitable for supported filaments	
User Interface	Display	Color touchscreen	
	Display size	Minimum 4 inch	
	Controls	On-screen operation and monitoring of print jobs	
Safety & Compliance	Safety features	Thermal runaway protection	
	Power supply	Certified power supply (UL/CE or equivalent certification)	
General & Compliance requirements	The 3D printer shall be: 1.New and unused 2. Free from manufacturing defects		
	Suitable for: 1.Educational institutions 2. Prototyping labs 3.Skill development centers		
	All consumables and accessories shall be: 1. Non-proprietary where feasible 2. Easily available in the market		

Item No. 9: 3D Printer Filaments

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
Filament Type & Quantity	Filament materials	PLA and ABS	
	Quantity	Total 10 spools - 5 multi-color spools - 5 black color spools	
Filament Dimensions	Filament diameter	1.75 mm	
	Diameter tolerance	±0.05 mm or better	
Compatibility	Extruder Compatibility	1. Compatible with all-metal extruders 2. Suitable for FDM/FFF 3D printers using 1.75 mm filament	
Feeding & Handling Features	Filament Handling	Designed for smooth and consistent feeding	
	Spool design	Compatible with printers supporting 1.Assisted filament feed 2.Rotary knob / manual filament loading mechanisms	
Quality & Performance Requirements	Filament shall be 1.Free from moisture, bubbles, and impurities 2.Uniformly wound on spools to prevent tangling		
	Suitable for 1. Educational printing 2. Prototyping 3. General-purpose FDM printing		
Packaging & Identification	Individually packaged		
Each spool shall be	Clearly labelled with: Material type (PLA / ABS) Diameter Net weight Manufacturer / supplier details		
General & Compliance Requirements	Filaments shall be: 1.New and unused 2. Free from manufacturing defects		
	consumables shall be: 1. Non-proprietary 2. Easily replaceable and commercially available		

Item No. 10: AR/VR Educational Headset with Module

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
Intended Use & Content Restriction	Device Type	Virtual Reality (VR) / AR-VR Headset	
	Intended Usage	Educational and training purposes only	
	Software Restriction	1. Pre-loaded educational e-content 2. No access to social media, gaming, or non-educational applications	
Display system	Display type	LCD or equivalent display technology	
	Resolution	Minimum 2.4 K HD (combined or per-eye resolution as per design)	
	Field of View	Suitable for immersive educational VR experiences	
Processor and Memory	Processor	XR-class processor suitable for AR/VR applications (eg. Snapdragon XR1 or equivalent or higher)	
	RAM	Minimum 6 GB	
	Internal Storage	Minimum 128 GB	
	Expandability	SD/ microSD card slot or equivalent storage expansion support	
Optics	Lens Type	1. Fresnel lens or equivalent optical design 2. Optimized for reduced distortion and user comfort	
Battery & Power	Battery	Rechargeable battery Capacity: minimum 4000mAh	
	Charging	Compatible power adapter/ charging interface supplied	
	Indicators	Power ON/OFF and charging status indicator provided	
Controller	Controller Type	3 Degrees of Freedom (3DoF) controller	
	Connectivity	Bluetooth or equivalent wireless technology	
	Intended use	Navigation and interaction within educational VR content	
Operating system	OS	Android-based operating system	

		(Android 8.1 or higher)	
		Customized / OEM-controlled user interface preferred	
	Application Control	Device should support restriction of third-party app installation	
Audio system	Audio output	3.5 mm audio jack	
	Sound	Stereo/ surround sound support	
	Compatibility	External headphones supported	
Sensor & controls The headset shall include sensors suitable for VR interaction.	Gyroscope	Yes	
	Accelerometer/ gravity sensor	Yes	
	Compass/ magnetometer	Yes	
	Light sensor	Yes	
	Proximity/ distance sensor	Yes	
	Return/ back control	Yes	
	Volume control	Yes	
Physical Characteristics	Approximate Dimensions (W x D x H)	Approx. 127 x 204 x 102 mm	
	Weight	Suitable for extended student use	
Construction & Ergonomics	Body material	Durable plastic or polymer body	
	Front plate	Metal/ aluminium or equivalent reinforcement	
	Design	1. Ergonomic, adjustable straps 2. Comfortable for prolonged classroom usage	
Warranty & support	Warranty	Minimum 3-year OEM warranty	
	Support	OEM-backed service support during warranty period	
General & Compliance requirements	Device shall be: 1. New and unused 2. Free from manufacturing defects		
	Suitable for schools, colleges and skill development & training institutions		
	All supplied software shall be 1. properly licensed 2. free from malware		

Item No. 11: Large Display Screen (Smart Display/ Television)

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
Display Panel	Screen size	Minimum 86 inch (diagonal)	
	Display technology	LED/ mini-LED or equivalent	
	Resolution	4K Ultra HD (3840 x 2160 pixels)	
	Refresh rate	Minimum 60 Hz	
	Viewing angle	Minimum 178° (horizontal and vertical)	
Brightness & Visual Performance	Brightness	Minimum 400 nits	
	Aspect Ratio	16:9	
	Color & Clarity	Suitable for classroom and presentation environments	
Operating system & smart features	Operating System	Android based smart OS (Android 11 or higher)	
	Application support	Support for standard productivity and educational applications	
Memory & Storage	RAM	Minimum 2 GB	
	Internal Storage (ROM)	Minimum 16 GB	
Audio System	Built-in speakers	Minimum 20 W RMS total output (eg. 10W x 2)	
	Audio quality	Suitable for classroom and meeting room use	
Connectivity	Wireless connectivity	1. Wi--Fi 2. Bluetooth	
	Physical ports	1. HDMI ports 2. USB ports	
Power & Electrical	Power supply	Compatible with 220-240 V AC, 50/60 Hz	
	Energy efficiency	Suitable for continuous institutional use	
Construction & Mounting	Design	Slim bezel, professional display finish	
	Mounting	Compatible with standard wall-mount or floor-stand solutions	
	Build Quality	Suitable for long-duration daily operation	
General & Compliance	Display shall be:		

requirements	1. New and unused 2. Free from manufacturing defects		
	Suitable for educational institutions, training centers and Conference & presentation rooms.		
	Product shall not mandate 1. Any specific brand 2. Any proprietary ecosystem		
Warranty & support	Warranty	Minimum 3-year OEM warranty	
	Support	OEM-backed service support during warranty period	

Item No. 12: Workstation (Desktop/ All-in-One Computer)

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
Display	Screen size	Minimum 23.8 inch (diagonal)	
	Resolution	Full HD (1920 x 1080 pixels)	
	Aspect ratio	16:9	
	Viewing angle	Minimum 178° (horizontal & vertical)	
	Brightness	Minimum 250 nits	
	Refresh rate	Minimum 60 Hz	
Processor & graphics	Processor	Intel® N-series processor (Intel N100 or equivalent / higher)	
	Graphics	Integrated graphics processor	
Memory & Storage	System Memory (RAM)	Minimum 8 GB DDR4/ DDR5	
	Storage	Minimum 128 GB SSD	
Wireless & Networking	Bluetooth	Bluetooth version 5.0 or higher	
	Wireless LAN	Wi-Fi 6 or higher	
	Ethernet	RJ-45 LAN port	
Input/ Output Interfaces	USB ports	Minimum 2 x USB 3.0 Minimum 2 x USB 2.0	
	Video Output	Minimum 1 x HDMI Minimum 1 x VGA	
	Type-C port	Minimum 1 x USB Type-C	
	Audio	1 x Audio out	
	Power	1 x DC-in power port Power button with power-on indicator LED	
Input Devices	Keyboard	Wireless keyboard	

	Mouse	Wireless mouse	
Operating system	OS	Windows 11 (genuine, pre-installed)	
Power & Electrical	Power adapter	Compatible with 220-240 V AC. 50/60 Hz	
	Energy efficiency	Suitable for continuous institutional use	
Construction & Usage	Form factor	Desktop / All-in one workstation	
	Intended Use	Academic labs Training centers Office productivity	
	Product Condition	New and unused	
Warranty & support	Warranty	Minimum 3-year OEM warranty	
	Support	OEM-backed service support during warranty period	

Item No. 13: Modular Workstation – 4 Seater

Component	Feature	Specification	Compliance (Yes/No) and Remarks, if any
A. Modular Workstation 4 seater (Both sides seating)			
General Configuration	Seating Capacity	4 users (two on each side)	
	Overall Dimensions	Length: approx. 6 ft Width: approx. 4 ft Height: approx. 30 inches	
Workstation Table	Table top	Minimum 18 mm thick engineered wood / pre-laminated board	
		PVC edge banding (minimum 2 mm) done using CNC edge-banding machine	
		Finish to be smooth, uniform, and durable	
	Support structure	Tabletop supported on metal L-type brackets or equivalent sturdy support system	
	Table legs/ side panels	- 18 mm thick engineered board with PVC edge banding - CNC edge-finished for long service life	
Keyboard Tray	Material	Minimum 18 mm thick engineered board	

	Mechanism	Smooth sliding channels suitable for frequent usage	
Cable / Wire Management	Provision	Built-in wire management cut-outs / grommets for power and data cables	
B. Student Chairs (for workstations)			
General	Frame	1. Heavy-duty steel tubular frame 2. Minimum size equivalent to 40 × 20 mm, thickness ≥1.2 mm	
	Seat & Backrest	1. High-strength moulded plastic (blow-moulded or injection-moulded 2. Securely fixed to frame using mechanical fasteners for stability	
	Welding	MIG welding or equivalent process ensuring strength and minimal distortion	
	Surface Finish	1. Powder-coated finish, minimum 50 microns thickness 2. Scratch and corrosion resistant	
	Floor Protection	Rubber/ nylon shoes fitted to legs to protect flooring and reduce noise	
	Usage	Suitable for student/ classroom use and uneven surfaces	
C. Small Classroom Almirah			
General	Type	Storage almirah with double doors	
	Dimensions	Height: approx. 50 inches Width: approx. 30 inches Depth: approx. 17 inches	
	Material	Engineered wood/ pre-laminated wooden board	
	Internal Configuration	Three internal shelves creating four storage compartments	
	Finish	Simple, professional appearance suitable for classroom environment	
	Durability	Designed for long-term institutional use	
D. Robotic Kit Replacement Table			
General	Dimensions	Length: approx.. 4 ft Width: approx.. 2 ft Depth: approx.. 2.5 ft	

	Table tope	1. minimum 18 mm thick engineered board 2. PVC edge banding using CNC edge-banding machine	
	Frame	1. heavy duty mild steel rectangular pipe 2. size equivalent to 25 x 50 mm, 16 gauge	
	Fabrication	Manufactured using dies, jigs and fixtures for uniformity and precision	
	Welding	MIG welding or equivalent to ensure deep penetration and minimal distortion	
	Surface finish	1. Powder-coated painted steel structure 2. Scratch-resistant finish	
	Floor protection	Nylon/ rubber shoes at base	
E. Civil & Electrical Integration (Applicable to all furniture)			
General	Electrical Provision	Provision for routing power/data cables through workstation furniture	
	Installation	Proper placement, leveling, and alignment at site	
	Safety	No sharp edges; rounded corners where applicable	
	Condition	All furniture to be brand new and unused	

NOTE: All items must include a minimum of 3-year warranty.

Annexure-II

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/ months.

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

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

4. Our responsibility under this guarantee is restricted to Rs._____/- (Rupees _____) only and it will remain enforce up to _____

unless a demand in writing is received by the bank on or before _____, all your rights under the said guarantee shall be forfeited and we shall be released and discharged from all the liabilities thereunder.

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

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

Witness

Signature

Name

M/s._____ (complete address)

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

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

Annexure-III

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/INNOV-LAB/2K26-10352**

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 not withstanding 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

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 _____, 2026. In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this _____ day of _____, 2026 for Bank _____

Witness

Signature

Name

M/s._____ (complete address)

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

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

Latest instructions for bidders:

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

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

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

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

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

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

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

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

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

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

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

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

Explanation—

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

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

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

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

3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.
4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.
5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

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

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

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

Declaration 1 of Latest instructions to bidders

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

Declaration 2 of Latest instructions to bidders

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

Declaration 3 of Latest instructions to bidders

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

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

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