

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



**e-TENDER**  
**For**  
**Rate contract for procurement of drones and drone as a service**  
**for various Departments in Himachal Pradesh**

(e-Tender No: HPSEDC/Drones-Services/2k22-10947)

H.P. STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.,  
1<sup>st</sup> FLOOR, I.T BHAWAN, MEHLI, SHIMLA-171013, H.P.  
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Website: [www.hpsedc.in](http://www.hpsedc.in), tender document can also be downloaded from <https://hptenders.gov.in>

13-10-2022



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SECTION-I  
INVITATION FOR E-BIDS

E-TENDER NO: **HPSEDC/Drones-Services/2k22-10947**

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**Note:** The Press e-Tender Notice published on 13/10/2022 in following daily Newspapers inviting e-Tenders for Rate Contract of Drones for various Departments in Himachal Pradesh. Initially Rate Contract will be finalized for three-year period and rate of these items might be extended for another next one year with mutual consent, if reduction of rates take place in between, approved firms shall submit revised rates.

(i) Amar Ujala (Chandigarh/ Delhi Edition)

(ii) Indian Express (Chandigarh/ Delhi Edition)

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

A) e-Tenders are invited by the undersigned from eligible bidders, i.e. Original Equipment Manufacturers (O.E.M.)/ Principal National Distributors/ Country Channel Partners in India (in case of imported equipment)/ Large Scale Systems Integrator duly authorised by the manufacturer for entering into Rate Contract for the three-years for the supply of Items as per technical specifications in Annexure-A to various State Government offices and providing after sale support during warranty period.



## GIST OF IMPORTANT GENERAL CONDITIONS

- 1) The tender has been floated for finalizing the rate contract for items as per specifications mentioned in Annexure-“A”. The rate contract will be done for the only those items of the bidders wherever the bidder has quoted lowest (L1) rate for the particular item in the list in Annexure-“A”. **Only L1 rates** will be conveyed to the departments and accordingly purchase orders would be placed for only L1 bidder’s rates for each item. Therefore, each item may have rates finalized for multiple or single bidder depending upon its lowest rate. However, since the equipment is to be procured and supplied to Government department in the State Government, reasonability of the rates would be ascertained by the tender committee w.r.t. other rate contracts and in the market. Bidders must ensure that the **rates quoted for this tender are better** (or atleast equal) than the rates in other rate contracts/ government supplies or open market anywhere else in the country.
- 2) After finalizing the L1 rate contract, Comparison of bids would be done on item-wise and other bidders would be given opportunity to match the prices of L1 Bidders (if desired by the committee), for respective items. Therefore, Bidders are encouraged to offer better specifications and rates, for below mentioned items, in the first instance. However, bidders are advised to quote their best rates.
- 3) Unless otherwise specified for a part of the order, the supplies should be completed within **5-6 weeks** from the date of placing the supply order except for snowbound/ tribal areas, where delivery can be made within 6-8 weeks. Delivery is to be made FOR destination i.e., anywhere in the State of Himachal Pradesh and Installation must 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.
- 4) The committee reserves the right to negotiate the rates of with L1 bidder to bring them to a reasonable level based on the best prices offered by other bidders and current market rates.
- 5) If the rate contract holder quotes/ reduces its price to render similar goods, works or services at a price lower than the rate contract price to anyone in the Country at any time during the currency of the rate contract, the rate contract price shall be automatically reduced with effect from the date of reducing or quoting lower price, for all delivery of the subject matter of procurement under that rate contract and the rate contract shall be amended, accordingly. The rate contract holder shall furnish the certificate to the HPSEDC



that the provisions of this clause have been complied with in respect of supplies made or billed for up to the date of this certificate. On the conclusion of the rate contract the rate contract holder shall furnish a certificate that the provision of this clause has been complied with during the period of rate contract.

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



## 3.) SCHEDULE OF THE TENDER PROCESS:

S. No.	Information	Details
1.	RFP No. and Date	No: <b>HPSEDC/Drones-Services/2k22-10947</b> Date: 13/10/2022
2.	Price of Tender Document	Rs 5,000/-
3.	Earnest Money Deposit	Rs 5,00,000
4.	Duration of Rate Contract	Three years from date of issuance of empanelment letter/ LOI.
5.	Bid validity period	180 days from the last date (deadline) for submission of e-Tenders.
6.	Pre-Bid Meeting	28/10/2022 at 11:30 PM via VC Video call link: <a href="https://meet.google.com/nan-grex-kxb">https://meet.google.com/nan-grex-kxb</a>
7.	Bid submission start date	02/11/2022 (11:00 AM)
8.	Bid submission End date	17/11/2022 (2:30 PM)
9.	Opening of e-Tenders Bids	18/11/2022 (2:30 PM)
10.	Tender Download Site	<a href="http://www.hpsedc.in">www.hpsedc.in</a> & <a href="https://hptenders.gov.in">https://hptenders.gov.in</a>
11.	Venue	H.P. State Electronics Development Corporation Ltd., 1 <sup>st</sup> Floor, I.T. Bhawan, Mehli, Shimla-171013, H.P.

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

**\*\* Any corrigendum, modifications, changes related to this tender before the day of bid submission shall be notified on website [www.hpsedc.in](http://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.

### 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 are available on the Home page of the e-tendering Portal.





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

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

### **5.4 Download of Tender Documents:**

The tender documents can be downloaded free of cost from the e-Procurement portal <https://www.hptenders.gov.in> and [www.hpsedc.gov.in](http://www.hpsedc.gov.in).

### **5.5 Key Dates:**

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

### **5.6 Bid Preparation (Qualification & Financial)**

- 5.6.1 Payment of Tender Document Fee & EMD of online Bids: The payment for Tender document fee and EMD can be made as mentioned in Section 3, at Sr. No. 1 and 2 of the Table.
- 5.6.2 The bidders shall upload their eligibility and technical offer containing documents, qualifying criteria, technical specifications, schedule of deliveries, and all other terms and conditions except the rates (price bid).
- 5.6.3 The bidders shall quote the prices in price bid format only.
- 5.6.4 If bidder fails to complete the Online Bid Preparation at Submission stage on the stipulated date and time, his/hers bid will be considered as bid not submitted, and hence not appear during tender opening stage.
- 5.6.5 Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <https://www.hptenders.gov.in>.
- 5.6.6 For help manual please refer to the 'Home Page' of the e-Procurement website at <https://www.hptenders.gov.in>., and click on the available link 'How to ...?' to download the file.
- 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](http://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. Thereto having valid Government licence and GSTN and PAN	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.	<p>(i) Tender Document Fee in favour of Managing Director, H.P. State Electronics Development Corporation, I.T. Bhawan, Mehli, Shimla-13.</p> <p>(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.</p> <p>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, a bidder may be granted exemption in tender fee and EMD provided it meets either of the below mentioned criteria:</p> <ul style="list-style-type: none"> <li>•The bidder is registered with the State store purchase organization, or</li> <li>•Bidder is registered with NSIC</li> </ul> <p>The bidder shall submit either of the above-mentioned certificates to avail exemption from EMD and Tender Fee. In case the bidders submit the documents, which are not valid to avail EMD and tender fee exemption and has also not paid the EMD and tender fee, then in such case the bid of the bidder shall be rejected summarily.</p>	<p>(i) Demand Draft (DD) /RTGS of Rs. 5,000/- (Rupees two Thousand only)</p> <p>(ii) Earnest Money Deposit (EMD) as mentioned in clause 2.10</p> <p>Tender Fee/ EMD may be submitted through RTGS in HPSEDC A/c : (State bank of India Khalini, Shimla-2 Account no. 55069383586 IFSC Code-SBIN 0051132)</p> <p>Receipt/Copy of the demand draft/RTGS should be uploaded on e-Procurement Portal.</p> <p>Original hardcopy of RFP fees and EMD should be submitted physically in HPSEDC before last date of bid submission.</p>



3.	The Bidder should have a valid GST Number, PAN Number	Relevant Registration Certificates (copies to be enclosed)
4.	A Bidder should be Original Equipment Manufacturer (OEM) or Authorised Principal National Distributor/ Importer/ large Scale system integrator duly authorised by the OEM (Original Equipment Manufacturer) of the required equipment's 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.	An OEM/Bidder, quoting for these item(s), must have supplied /installed Minimum 10 Nos similar item(s) by the OEM/ Bidder during the last three years in Government/Semi Govt. / PSUs/ Autonomous bodies of Central/ State Govt. /corporate sector. Work experience of sister concerns, subsidiaries, parent company etc. will not be accepted. Work experience of the bidder/ OEM participating in the bid will be considered.	Copies of supply orders/ satisfactory reports of last three years are to be provided and Form- "C"
6.	<b>The average annual turnover of OEM</b> whose equipment's/ systems/ Items are sought to be supplied should <b>be as under:</b>  Average Annual Turnover of Rs 3/- Crores during the last three financial years (2019-20, 2020-21, 2021-22).  Turnover/Net worth of sister concerns, subsidiaries, parent company etc. will not be accepted. Turnover/Net worth of the bidders participating in the bid will be considered.	Audited Balance sheets from company Statutory Auditor/ CA from OEM & financial data of the last three years in the format given in Proforma 'B'
7.	The average annual turnover of the bidders should be Rs 50 Lakhs (Rs Fifty Lakhs only) during last 3 years as per audited balance sheets. (2019-20, 2020-21, 2021-22)  Turnover/Net worth of sister concerns, subsidiaries, parent company etc. will not be accepted. Turnover/Net worth of the bidders participating in the bid will be considered.	Audited Balance sheets from company Statutory Auditor/ CA from OEM and Bidder & financial data of the last three years in the format given in Proforma-'B'
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. (2019-20, 2020-21, 2021-22)  Turnover/Net worth of sister concerns, subsidiaries, parent company etc. will not be accepted. Turnover/Net worth of the bidders participating in the bid will be considered.	Supporting financial documents/Balance sheet/ certificate from company's Statutory Auditor/ CA.
9.	OEM Toll Free Help-desk facilities should be already available during working hours (9 to 6 PM and from Monday to Saturday). The bidder and OEM should have its own website having product related information (for OEM) and	Contact information and availability hour's details. Provide detail of web



	support related information (for both bidder and OEM).	linkages.
10.	The Bidder should not have been declared ineligible at the time of bid submission and at the time of placing of supply order due to corrupt and fraudulent practices with any of the departments of the Central, State Governments Deptt. and PSUs of Central/ State Govt.	Certificate from the authorized signatory prescribed in Form-E & Declaration in Form 'E' that the Bidder has not been debarred/blacklisted by any reputed Government/ Semi-Government organisation for quality of services/product and that there is no major complaint against the quality of service/products by any organisation mentioned in this clause.
11.	The bidder should have submitted the declaration of acceptance of terms and conditions of this RFP as per Form D	Declaration from Authorized Signatory as per Form D of this RFP

**Note: -**

Purchase Preference for Local Micro and Small-Scale units/ Start-up 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 Start-up 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.

## **2.2 Cost of Bidding:**

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

## **B- TENDER DOCUMENT**

### **2.3 Contents of Tender Document:**

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

Section-1: Invitation for e-Bids

Section-2: Instructions to Bidders

Section-3: General Conditions of the Tender & Contract

Section-4: Technical Specifications and Maintenance Conditions

Section-5: Technical Specifications & Annexures.

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

### **2.5 Clarification regarding Tender Document:**

2.5.1 The clarifications/ changes in tender document/ corrigendum can be uploaded upto 3 days before the bid-submission date.

### **2.6 Amendment of Bids:**

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



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

### **C - PREPARATION OF BIDS**

#### **2.7 Language of Bid & Correspondence:**

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

#### **2.8 Documents comprising of Bid:**

The Bidder will prepare the bid in two parts.

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

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

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](http://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.

Item No.	Equipment types	Bid security amount in Rupees.
1.	Drones	Rs.5,00,000/-

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

2.10.3. The Bid Security shall be in the shape of Demand Draft/ BG/ 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 will be discharged upon the Bidders executing the contract and furnishing the performance security in accordance with Para 3.5.1.

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

2.10.8 The Bid Security may be forfeited:

1. If a Bidder withdraws its bid during the period of bid validity specified by the bidder and required by the Purchaser.
2. During the tendering process, if a Bidder indulges in any such activity as would jeopardise or unnecessarily delay the tender process. The decision of the Purchaser regarding forfeiture of the Bid Security/EMD shall be final & shall not be called upon question under any circumstances.
3. In the case of a successful Bidder, if the Bidder fails,
  - (i) to sign the contract by raising issues contrary to the provisions of the RFP or the Bid or undertakings given during evaluation of bids, or
  - (ii) to furnish Performance Security or





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

**2.11 Period of validity of Bids:**

2.11.1 For the purpose of placing the order, the Bids shall remain valid for at least 120 days after the date of bid opening. A bid valid for a shorter period may be rejected by the Purchaser as being non-responsive. During the period of validity of Bids, the rates quoted shall not change. However, in case of general fall in prices of a product in the IT/ Electronics Industry before despatch of goods, such a reduction shall be passed on to the Purchaser after mutual negotiations.

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

**D-SUBMISSION OF BIDS**

**2.12 Submission of Bids:**

2.12.1 Bidder(s) shall submit their bids only on online e-procurement portal [www.hptenders.gov.in](http://www.hptenders.gov.in). If the bids submitted online are no legible, the bids shall be rejected. All the instructions regarding e-bids submission are also available on [www.hptenders.gov.in](http://www.hptenders.gov.in). Bids submitted in hard copies will not be accepted and shall be returned unopened.

2.12.2 The original hard copy of DD/BG 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 In the first instance, Eligibility bid documents uploaded on the e-portal will be opened and evaluated for eligibility of each Bidder will be ascertained. Technical Bids of only those Bidders shall be evaluated who are found to be eligible as per the criteria laid down in para 2.2.1/ 2.8 (I) and submitted bid security and tender cost as per Para 2.10. In doubtful cases (where further documents or clarification are required to establish eligibility), the Purchaser in its discretion, may decide to open/evaluate Technical Bid. However, such Bids can be rejected subsequently, if it is found that the bidder has claimed eligibility on false grounds.
- 2.16.4 The Technical e-Bids of only the Eligible Bidders will be opened and the contents (particularly Compliance Sheets) will be announced/ displayed in the presence of all Bidders or their representatives.
- 2.16.5. Scrutiny of Technical Bid:  
The product proposed in the bid document of only eligible bidders will be evaluated as per the requirements specified in the RFP/ Tender Document. The "Compliance 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:

Rate of items will be calculated as under:

Item Rate = FOR Destination Unit Price of the Item including installation charges (if any) with warranty including GST of the Item.

#### Note 1:

*Item wise L1 will be declared. The Bidder shall not quote prices subject to certain conditions. Bids containing any conditional prices may be rejected or the Purchaser may take a final decision in its discretion about such conditionality.*

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

- (i) Among all qualified bids, the lowest bid will be termed as L1. If L-1 is from a local supplier, the contract for full quantity will be awarded to L1.
- (ii) If L-1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L-1.

2.17.3.2 Thereafter, the lowest bidder among the local suppliers, will be invited to match the L-1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of @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.

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

### 2.18. RANKING OF BIDDERS:

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

### 2.18.2 Reduction in Statutory Duties and Levies:

If any reduction in taxes takes place after opening the commercial bids, but before despatch of goods; the Successful Bidder shall pass on the proportional



benefit to the Purchaser. However, if any such reduction takes place after the opening of bids but before the finalisation of tender, revised sealed commercial bids shall be taken.

## 2.19. NEGOTIATIONS:

- 2.19.1 The Purchaser may finalise the Tender & award the Contract without any negotiations if it is satisfied with reasonableness & workability of the lowest offers. Therefore, the bidders are advised to quote lowest possible rates in the first instance only. In case of negotiation, that shall be held with Lowest Ranked (L1) bidder only for a particular item in the Category. The purchaser has the discretion to have rate contract for more than one eligible and technically qualified bidders.
- 2.19.2 During the negotiations a revised offer will be taken from the representative of the Bidder by way of sealed bids. This revised offer will replace/supersede the earlier Technical & Commercial Bid, provided that the original offer (i.e., Technical/ Commercial) will not be allowed to be changed to the detriment of the Purchaser, as far as rates of every individual item & terms/ conditions are concerned. Therefore, Bidders are advised to send sufficiently senior representatives (who can take spot decisions) for negotiations.
- 2.19.4 During the negotiations on prices & other related terms/conditions, prevalent worldwide street-prices of such product, prices finalised in bids of similar size on GEM portal/Other State Government Rate Contract etc. will be kept in mind. The scope of negotiations may also include precise *modus-operandi* of after-sales service, mode of delivery, system integration and price of add-ons & consumables etc.
- 2.19.5 During the negotiations, the Purchaser may even go in for marginally higher or lower configurations as per its absolute discretion.
- 2.19.6 After this final ranking is done based on negotiated prices, award of rate contract will be made to the lowest Bidder, subject to post qualification in Para 2.20 below.



## F - AWARD OF CONTRACT

### 2.20 Post Qualification:

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

### 2.21 Purchaser's right to vary Quantities:

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

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

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

### 2.23 Notification of Award/Rate Contract:

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

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

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

### 2.24 Signing of Contract:

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

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





### 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 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 issuing of work order, the successful bidder/Supplier shall initially furnish a 3% Performance Bank Guarantee of supply order value as Security to the Purchaser valid for 36 months to safeguard the purchaser against timely delivery/installation and maintenance of ordered equipment(s) during the currency of the contract. This will be further renewed for 36 months to ensure the after-sale support of equipment(s) supplied under the contract are under warranty. EMD of successful bidder(s) will only be released after signing of agreement and submission of BG/ PBG.

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 equipment(s) 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 software items shall depute its technical person if end user is facing problem in installation/working of software. On-line support will be made available without any charges to end user.

### 3.7 Packing Delivery & Documentation:

- 3.7.1 The supplier shall provide such packing as is required to prevent damage or deterioration of the goods during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitations, rough handling during transit and exposure to extreme temperatures and precipitation during transit and open storage. The Supplier shall be responsible for any defect in packing.
- 3.7.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as will be specifically provided for in the contract.
- 3.7.3 Delivery of the goods and associated documentation will be done in such manner as may be prescribed by the Purchaser in the Contract.

### 3.8 Insurance:

- 3.8.1 The Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
- 3.8.2 The supplier will indemnify the Purchaser from all responsibility of compensation etc. caused by third party injury including death while he is discharging his duties under the contract.

### 3.9 Transportation:

- 3.9.1 The entire cost of carriage/transportation from the 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 equipment(s) packing box must contain copy of illustrated literature and instruction books regarding the installation, handling, maintenance and use of the Goods at each station shall be supplied by the supplier as part of the Contract price before dispatch of the first assignment.

3.11 Payment:

**Payment terms for Drone as a procurement:**

- 3.11.1 **First Instalment:** First Instalment shall be paid after delivery of the Goods at the prescribed destinations. Amount of 1<sup>st</sup> 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.

- 3.11.4 **Second Instalment:** Remaining amount of 15% of the order value shall be paid after satisfactory installation of machines 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,  $\frac{2}{3}$  of the second instalment (i.e., 10% of the order value) shall be released to the Supplier. In such an unlikely event of the site not being ready, the remaining amount  $\frac{1}{3}$  of the second instalment (i.e., 5% of order value) will be released after submission of successful installation of the ordered equipment(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 within 15 days and objections, if any, will be conveyed in one go within this period. If the claim is found in order, the payment will be made within 2 weeks from the date of submission of such bills.

*For items related to services payment shall be made as per the percentage of completion of a*



*project, based on submission of client certificate.*

**Payment terms for Drone as a service:**

- (i) On the successful execution of order i.e. Drone as a service, 100% payment will be released after submission of duly acknowledged original bill(s) and completion report from the department to whom services are rendered, provided 3% of PBG (Performance Bank Guarantee) is already submitted with the purchaser.
- (ii) If, 3% of PBG (Performance Bank Guarantee) is not submitted with the purchaser before the execution of the order, then 3% of the total amount from the submitted bill will be withheld and released after 90 days in order to safeguard the purchaser.

**Note:**

*Payment shall be released only on production of bill supported by delivery challan and installation report by the Second Party. Any bill supported by requisite documents will be processed within 15 days and objections, if any, will be conveyed in one go within this period. If the claim is found in order, the payment will be made within 2 weeks from the date of submission of such bills. For items related to services payment shall be made as per the percentage of completion of a project, based on submission of client certificate.*

**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.

**3.13 Modification in the Order:**

- 3.13.1 The Purchaser may at any time, by written order given to the Supplier make changes within the general scope of the Contract in anyone or more of the following:
  - (a) The specifications of the Goods
  - (b) The method of shipment or packing
  - (c) The service to be provided by the Supplier
  - (d) Quantity of goods



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

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

#### 3.14 Subcontract:

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

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

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

#### 3.15 Delays in the Supplier's Performance:

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

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

- (i) Forfeiture of its performance security.
- (ii) Imposition of liquidated damages @Rs 1000/- per day per item of the unfulfilled order. The maximum penalty will not exceed 10% of the equipment cost.
- (iii) Termination of the contract and risk purchase at Supplier's risk.
- (iv) Initiation of any other legal proceedings.

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

#### 3.16 Termination for Default:

3.16.1 The Purchaser may without prejudice to any other remedy for breach of contract, (including forfeiture of Performance Security) by written notice of default sent to



the supplier, terminate the Contract in whole or in part after sending a notice to the Supplier in this regard.

- (a) if the Supplier fails to deliver any or all the goods within the time period(s) specified in the Contract, or any extension thereof granted by the Purchaser pursuant to clause 2.11.2, or
- (b) if the Supplier fails to perform any other obligation under the Contract.

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

### 3.17 Force Majeure:

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

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

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

### 3.18 Taxes and Duties:

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

### 3.19 Limitation of Liability:





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

### 3.20 Arbitration:

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



## 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 Equipment(s) mentioned in this tender:

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

##### (v) After-Sales-Services

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



## 4.2 AFTER SALES SERVICES:

### 4.2.1 Comprehensive Warranty:

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

### 1.2.2 Service Centre:

The Service Centres in the State shall be manned by qualified Engineers as per Clause 4.1(v) above and one call coordinator. It will be equipped, with sufficient inventory of spares as per ABC Analysis. The supplier will provide prompt after sales support and shall attend any complaint not later than 72 hours for service stations based out of North India and not later than 120 hours for service stations based out in other parts of the country. 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 60 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, demo 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.,  
1<sup>st</sup> Floor, IT Bhawan, Mehli, Shimla- 171013.

Subject: Authorisation to a distributor for tender No: **HPSEDC/Drones-Services/2k22-10947**

Dear Sir,

Please refer to your Notice Inviting Tenders for procurement of procurement of Drone/ All-in-one production-level field unit for live news and dynamic sports coverage / Camcorder/ Video Editing Software for various departments in Himachal Pradesh published in “The Indian Express” and “Amar Ujala”.

M/s \_\_\_\_\_ (Bidder), who is our reliable distributor for the last \_\_\_\_\_ years, is hereby authorised to quote on our behalf for this prestigious tender. M/s \_\_\_\_\_ (Bidder) is likely to continue as our business partner during years to come. We undertake the following regarding the supply of these equipments/ peripherals etc.

1. The Machines supplied in this tender shall be manufactured by us as per the specifications required by the Purchaser. M/s \_\_\_\_\_ (Bidder) shall not be allowed to do any hardware integration on our equipment.
2. It will be ensured that in the event of being awarded the contract, the 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 whatsoever, we shall make alternative arrangements for proper maintenance of these Drone 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: \_\_\_\_\_



## PROFORMA-B

[Para 2.8 (II)(i)]

## I. Financial Parameters

1. Net worth as on 31-03-19, 31-03-2020 and 31-03-2021
2. (PBT) Profit before taxes for the last three years.
3. (PAT) Profit after taxes for the last three years.
4. Income Tax Return for the last three years.
5. Equity Base
6. Premier contributors to Equity including Promoter's Contribution.
7. Turn-over during the last 3 financial years.

## II. Growth Profile

- (i) Percentage increase in  
t/o from 2018-2019 to 2019-20
- (ii) Percentage increase in  
t/o from 2019-20 to 2020-21
- (iii) Percentage increase in  
t/o from 2020-21 to 2021-22

## III. Installation Base and Regional Spread

## III. Customer Support and Service.

- (i) Number of engineers and their qualification

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

- (ii) Inventory of critical components maintained at \_\_\_\_\_

- Give special attributes such as Microsoft Certified etc.
- \$ Indicate number of Engineers in Himachal Pradesh / Chandigarh



## PROFORMA-C

[Para 2.8(II) (ii)]

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

Sr. No.	Organisation (\$)	Drone	Value	Date of Order	Current Status
1.					
2.					
3.					
4.					
		<Total>	<Total>		

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

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

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

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



FORM-D

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

To

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

Sir,

I have carefully gone through the Terms & Conditions contained in the Tender Document [No.: **HPSEDC/Drones-Services/2k22-10947**] regarding procurement of Drones for various Departments in Himachal Pradesh. I declare that all the provisions of this Tender Document contained in this tender and subsequent corrigendums/ 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-E

DECLARATION REGARDING PAST PERFORMANCE

To

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

Sir,

I have carefully gone through the Terms & Conditions contained in the Tender Document [No. **HPSEDC/Drones-Services/2k22-10947**] regarding rate contract of Drones for various Departments in Himachal Pradesh. 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>)

<p style="text-align: center;"><b>PRICE SCHEDULE</b>  <b>(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)</b>  <b>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )</b></p>									
Sl. No.	Item Description	Qty	BASIC RATE with installation (if any) and three years warranty In <b>Figures</b> To be entered by the <b>Bidder</b> in <b>Rs. P</b>	GST Amount in percentage (%)	GST amount in Rupees <b>Rs. P</b>	Unit Price with GST <b>Rs. P</b>	TOTAL AMOUNT Without Taxes with three year warranty <b>Rs. P</b>	Gross Bid Value Inclusive installation and Taxes (for three year onsite OEM warranty) <b>Rs. P</b>	TOTAL AMOUNT In Words
1.	Item No. 1: Surveillance Drone (Day)								
2.	Item No. 2: Surveillance Drone (Day)								
3.	Item No. 3: Surveillance Drone (Day)								
4.	Item No. 4: Surveillance Drone (Day & Night/Thermal)								
5.	Item No. 5: Surveillance Drone (Day & Night/Thermal)								
6.	Item No. 6: Surveillance Drone (Day & Night/Thermal)								
7.	Item No. 7: Surveying Drone								
8.	Item No. 8: Surveying Drone								
9.	Item No 9: Agriculture Spraying Drone								



10.	Item No. 10: Agriculture Spraying Drone							
11.	Item No. 11: Disaster Management							
12.	Item No. 12: Disaster Management							
13.	Item No. 13: Drone as a service Payload per Km							
14.	Item No. 14: Drone as a service Payload per Km							
15.	Item No. 15: Drone as a service Payload per Km							
16.	Item No. 16: Drone as a service Payload per Km							
17.	Item No. 17: Drone as a service Surveillance per Hour							
18.	Item No. 18: Drone as a service Surveillance per Hour							
19.	Item No 19: Drone as a service for Survey (60 Minutes)							
20.	Item No 20: Drone as a service for Survey (60 Minutes)							
21.	Item No 21: Drone as a service for Survey (60 Minutes)							
22.	Item No 22: Drone as a service for Survey (60 Minutes)							
23.	Item No. 23: Surveillance Drone (Day)							
24.	Item No. 24: Surveillance Drone (Day & Night/ Thermal)							
25.	Item No. 25: Surveying Drone							
26.	Item No. 26: Agriculture Spraying Drone							

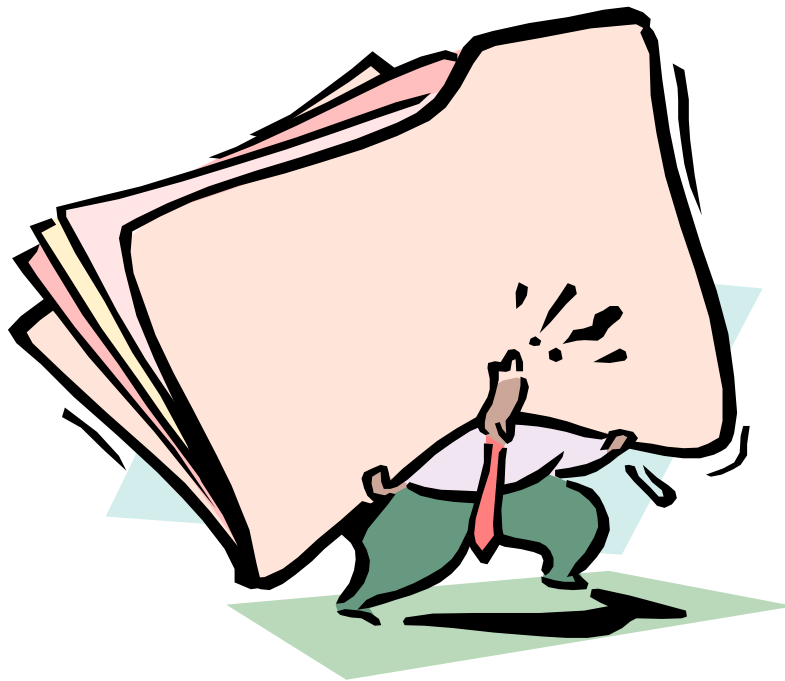


27.	Item No. 27: Disaster Management							
28.	Item No 28: Rugged Tablet							
29.	Item No. 29: FHD Rugged Laptop 15.6 Inch with Intel Core i7 Processor							
30.	Item No. 30: Option 1: 24MP still camera (NADIR facing) (Swappable) (High Resolution Imaging)							
31.	Item No. 31: Option 2: Multispectral camera (NADIR facing) (Swappable) (Spectral Imaging)							
32.	Item No. 32: Option 3: Thermal camera (NADIR facing) (Swappable) (Thermal Imaging)							
33.	Item No. 33: Software: Software for GCS live footage							
<b>Total in Figures</b>								
<b>Quoted Rate in Words</b>								



## SECTION- 5

### TECHNICAL SPECIFICATIONS





NB: Final specifications uploaded after pre-bid meeting. Please visit our websites [www.hpsedc.in](http://www.hpsedc.in) & <https://hptenders.gov.in> for latest amendments or notices in reference to this tender.

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

## 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 rate contract.

Only firms holding industrial license for manufacturing Drone(s) can apply, DGCA product registered (UID) and comply the DGCA registration, if A/F same may be supplied prior to AOC.

For additional security of all items:

- a. Bidder shall ensure software/data security.
- b. Bidders shall ensure that all flight parameters are locked on take-off
- c. Bidders shall ensure firmware upgradation and digital signature encryption for upgradation.
- d. Any crash or mishap will be the responsibility of the bidder.

#### **Item No. 1: Surveillance Drone (Day)**

No	Parameter	Specification
1	UAS Type	Multirotor/ Single rotor/ Hybrid/ Fixed wings
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 5 kg
4	Endurance	Minimum 40 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	3000m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 5 kms
10	Operating Temperature	-10° to 50° C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)



12	Payload	Day Camera: 1280 x 720 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings
15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
18	Warranty	3 years comprehensive onsite warranty

### Item No. 2: Surveillance Drone (Day)

No	Parameter	Specification
1	UAS Type	Multirotor/ Single rotor/ Hybrid/ Fixed wings
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 5 kms
10	Operating Temperature	-10° to 50°C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload	Day Camera: 1280 x 720 or better Optical zoom 5X or better



13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings
15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
18	Warranty	3 years comprehensive onsite warranty

### Item No. 3: Surveillance Drone (Day)

No	Parameter	Specification
1	UAS Type	Multirotor/ Single rotor/ Hybrid/ Fixed wings
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 3.5 kg
4	Endurance	Minimum 40 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	3000m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 4 kms
10	Operating Temperature	-10° to 50°C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload	Day Camera: 1280 x 720 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB





14	Life	Minimum 500 landings
15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
18	Warranty	3 years comprehensive onsite warranty

#### Item No. 4: Surveillance Drone (Day & Night/Thermal)

No	Parameter	Specification
1	UAS Type	Multirotor
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 5 kg
4	Endurance	Minimum 40 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	3000m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 5 kms
10	Operating Temperature	-10° to 50°C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload	Day Camera: 1280 x 720 or better Night Camera: 640x480 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings



15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
18	Warranty	3 years comprehensive onsite warranty

#### Item No. 5: Surveillance Drone (Day & Night/Thermal)

No	Parameter	Specification
1	UAS Type	Multicopter
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 5 kms
10	Operating Temperature	-10° to 50°C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload	Day Camera: 1280 x 720 or better Night Camera: 640x480 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings
15	Flight Planning and	Interactive flight planning and ground control system with the



	Ground Control Software	ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
18	Warranty	3 years comprehensive onsite warranty

#### Item No. 6: Surveillance Drone (Day & Night/Thermal)

No	Parameter	Specification
1	UAS Type	Multirotor
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 3.5 kg
4	Endurance	Minimum 40 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	3000m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 4 kms
10	Operating Temperature	-10° to 50°C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload	Day Camera: 1280 x 720 or better Night Camera: 640x480 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings
15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time



		video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the DigitalSky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
18	Warranty	3 years comprehensive onsite warranty

### Item No. 7: Surveying Drone

No	Parameter	Specification
1	UAS Type	Multirotor/ Single Rotor/ Hybrid/ Fixed
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 5 kg
4	Endurance	Minimum 40 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	120m AGL or better
7	Service Ceiling	3000m AMSL or better
8	Global Navigation Satellite System (GNSS)	PPK Enabled onboard GNSS (L1 and L2 frequency) along with Base (Master) GNSS receiver capable to achieve required accuracies
9	Ground Sampling Distance (GSD)	Less than 5 cm
10	Absolute accuracy	$x < 10 \text{ cm}$ $y < 10 \text{ cm}$ $z < 20 \text{ cm}$  (95% of the total checked values should fall within this accuracy)
11	Operating Range	Minimum 4 kms
12	Area Coverage	Minimum 1 sq km / flight  Forward Overlap: 80% or better, Side Overlap: 70% or better



13	Operating Temperature	-5° to 55° C or better
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Payload/ Cameras and sensors	RGB Sensor with a minimum resolution of 20 MP
16	Onboard data storage	Minimum 64 GB
17	Life	Minimum 500 landings
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
20	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
21	Warranty	3 years comprehensive onsite warranty

### Item No. 8: Surveying Drone

No	Parameter	Specification
1	UAS Type	Multirotor/ Single Rotor/ Hybrid/ Fixed
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	120m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	PPK Enabled onboard GNSS (L1 and L2 frequency) along with Base (Master) GNSS receiver capable to achieve required accuracies
9	Ground Sampling Distance (GSD)	Less than 5 cm



10	Absolute accuracy	x < 10 cm y < 10 cm z < 20 cm  (95% of the total checked values should fall within this accuracy)
11	Operating Range	Minimum 5 kms
12	Area Coverage	Minimum 1 sq km / flight  Forward Overlap: 80% or better, Side Overlap: 70% or better
13	Operating Temperature	-5° to 55° C or better
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Payload/ Cameras and sensors	RGB Sensor with a minimum resolution of 20 MP
16	Onboard data storage	Minimum 64 GB
17	Life	Minimum 500 landings
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
20	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
21	Warranty	3 years comprehensive onsite warranty

### Item No 9: Agriculture Spraying Drone

No	Parameter	Specification
1	UAS Type	Multicopter
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum up to 45 kg



4	Endurance	Minimum 20 mins with discharging load
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	Minimum 50 m AGL
7	Service Ceiling	3000m AMSL
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Required Terrain following (altimeter)	Up to 12 meters
10	Hovering accuracy	$\pm 0.8$ m vertical and $\pm 0.5$ m horizontal with GPS Positioning
11	Operating Range	Up to 2 kms
12	Obstacle detection & Collision avoidance	<p>Range of Detection: Minimum 10 meters</p> <p>Sensors: LiDAR / Radar</p> <p>Rerouting: Drone must-have capability to reroute itself or give control to pilot.</p> <p>Object size to be detected: Minimum 1 meter x 1 meter</p> <p>Obstacle Avoidance in-flight modes: Autonomous, Loiter both.</p>
13	Operating Temperature	0° to 50°C
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Spraying Tank	10 to 20 kg capacity as payload
16	Video Transmission	In LOS up to 2km with the provision of live video streaming 1080p@ 30 fps
17	Life	Minimum 3 years with 1-year minimum storage
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning and geofencing.
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power along with smart battery failsafe.



20	Nozzle Type	High-pressure nozzles with flat jet
21	Nozzle Qty	Minimum 4
22	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
23	Warranty	3 years comprehensive onsite warranty

### Item No. 10: Agriculture Spraying Drone

No	Parameter	Specification
1	UAS Type	Multirotor
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum up to 45 kg
4	Endurance	Minimum 60 mins with discharging load
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	Minimum 50 m AGL
7	Service Ceiling	4500m AMSL
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Required Terrain following (altimeter)	Up to 12 meters
10	Hovering accuracy	±0.8 m vertical and ±0.5 m horizontal with GPS Positioning
11	Operating Range	Up to 2 kms
12	Obstacle detection & Collision avoidance	<p>Range of Detection: Minimum 10 meters</p> <p>Sensors: LiDAR / Radar</p> <p>Rerouting: Drone must-have capability to reroute itself or give control to pilot.</p> <p>Object size to be detected: Minimum 1 meter x 1 meter</p> <p>Obstacle Avoidance in-flight modes: Autonomous, Loiter both.</p>





13	Operating Temperature	0° to 50°C
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Spraying Tank	10 to 20 kg capacity as payload
16	Video Transmission	In LOS up to 2km with the provision of live video streaming 1080p@ 30 fps
17	Life	Minimum 3 years with 1-year minimum storage
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning and geofencing.
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power along with smart battery failsafe.
20	Nozzle Type	High-pressure nozzles with flat jet
21	Nozzle Qty	Minimum 4
22	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
23	Warranty	3 years comprehensive onsite warranty

### Item No. 11: Disaster Management

No	Parameter	Specification
1	UAS Type	Multirotor
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Weight Carrying Capacity	750 Grams
5	Public Announcement System	< 40 Db @300 meters AGL (OEM certification)
6	Endurance	Minimum 40 mins



7	Operational Wind Speed	Minimum 25km/hr or higher
8	Max Operating Altitude	400m AGL or better
9	Service Ceiling	3500m AMSL or better
10	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
11	Operating Range	Min. 5 kms
12	Operating Temperature	-10° to 50°C or better
13	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
14	Payload	Day Camera: 1280 x 720 or better Optical zoom 5X or better
15	Onboard data storage	Minimum 64 GB
16	Life	Minimum 500 landings
17	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
18	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
19	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
20	Warranty	3 years comprehensive onsite warranty

### Item No. 12: Disaster Management

No	Parameter	Specification
1	UAS Type	Multirotor
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Weight Carrying Capacity	750 Grams



5	Public Announcement System	< 40 Db @300 meters AGL (OEM certification)
6	Endurance	Minimum 60 mins
7	Operational Wind Speed	Minimum 25km/hr or higher
8	Max Operating Altitude	400m AGL or better
9	Service Ceiling	4500m AMSL or better
10	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
11	Operating Range	Min. 5 kms
12	Operating Temperature	-10° to 50°C or better
13	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
14	Payload	Day Camera: 1280 x 720 or better Optical zoom 5X or better
15	Onboard data storage	Minimum 64 GB
16	Life	Minimum 500 landings
17	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
18	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
19	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
20	Warranty	3 years comprehensive onsite warranty

### Item No 13: Drone as a service for Payload (minimum 5kg)

Drone as a service for Payload (minimum 5kg) transportation inclusive of equipment, manpower and any other requirement for successful execution of the project. The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user



department/corporation. However, the end user department/corporation may assist the bidder in securing the same.

Payload services would be in the field of medical services, Food and Essential supplies, Agricultural Products, Disaster Management Supplies, any other services in which drones can be of use.

**Additional Specifications:** The drone shall have the following specifications:

- Payload – Minimum 5kgs or more,
- Range - 25kms,
- Safety - Parachute, Anti-collision, LIDAR,
- Communication - Telemetry/4G,
- Speed - 35km/h or more,
- VTOL/Hexacopter, all weather performance capability, Temperature controlled Payload box for Delivery, Able to operate in Extreme temperature and DGCA compliance.

#### **Item No 14: Drone as a service for Payload (minimum 10kg)**

Drone as a service for Payload (minimum 10kg) transportation inclusive of equipment, manpower and any other requirement for successful execution of the project. The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user department/corporation. However, the end user department/corporation may assist the bidder in securing the same.

Payload services would be in the field of Medical services, Food and Essential supplies, Agricultural Products, Disaster Management Supplies, any other services in which drones can be of use.

**Additional Specifications:** The drone shall have the following specifications:

- Payload – Minimum 10kgs or more,
- Range - 25kms,
- Safety - Parachute, Anti-collision, LIDAR,
- Communication - Telemetry/4G,
- Speed – 35 km/h or more,
- VTOL/Hexacopter, all weather performance capability, Temperature controlled Payload box for Delivery, Able to operate in Extreme temperature and DGCA compliance.

#### **Item No 15: Drone as a service for Payload (minimum 20kg)**

Drone as a service for Payload (minimum 20kg) transportation inclusive of equipment, manpower and any other requirement for successful execution of the project. The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user department/corporation. However, the end user department/corporation may assist the bidder in securing the same.

Payload services would be in the field of Medical services, Food and Essential supplies, Agricultural Products, Disaster Management Supplies, any other services in which drones can be of use.

**Additional Specifications:** The drone shall have the following specifications:

- Payload – Minimum 20kgs or more,
- Range - 15kms or more,



- Safety - Parachute, Anti-collision, LIDAR,
- Communication - Telemetry/4G,
- Speed – 35 km/h or more,
- VTOL/Hexacopter, all weather performance capability, Temperature controlled Payload box for Delivery, Able to operate in Extreme temperature and DGCA compliance.

### **Item No 16: Drone as a service for Payload (minimum 50kg)**

Drone as a service for Payload (minimum 50kg) transportation inclusive of equipment, manpower and any other requirement for successful execution of the project. The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user department/corporation. However, the end user department/corporation may assist the bidder in securing the same.

Payload services would be in the field of Medical services, Food and Essential supplies, Agricultural Products, Disaster Management Supplies, any other services in which drones can be of use.

**Additional Specifications:** The drone shall have the following specifications:

- Payload – Minimum 50kgs or more,
- Range – 10 kms or more,
- Safety - Parachute, Anti-collision, LIDAR,
- Communication - Telemetry/4G,
- Speed – 35 km/h or more,
- VTOL/Hexacopter, all weather performance capability, Temperature controlled Payload box for Delivery, Able to operate in Extreme temperature and DGCA compliance.

### **Item No 17: Drone as a service for Surveillance (40 Minutes)**

Drone as a service for Surveillance, inclusive of equipment, manpower and any other requirement for successful execution of the project, and with Day Camera: 1280 x 720 or better, Optical zoom 5X or better. The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user department/corporation. However, the end user department/corporation may assist the bidder in securing the same. Drone specifications are as follows:

No	Parameter	Specification
1	UAS Type	Multicopter
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 5 kg
4	Endurance	Minimum 40 mins
5	Operational Wind Speed	Minimum 25km/hr or higher



6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	3000m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC/4G
9	Operating Range	Min. 5 kms
10	Operating Temperature	-10° to 50°C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload	Day Camera: 1280 x 720 or better Night Camera: 640x480 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings
15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Ground Control Station (GCS)	Ruggedized laptop/ tablet with minimum 10-inch display, as Ground Control Station, at no additional cost to the purchasing entity. Further, the bidders shall provide 3-year comprehensive onsite warranty of the GCS as well.
18	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
19	Warranty	3 years comprehensive onsite warranty

### Item No 18: Drone as a service for Surveillance (60 Minutes)

Drone as a service for Surveillance, inclusive of equipment, manpower and any other requirement for successful execution of the project, and with Day Camera: 1280 x 720 or better  
Night Camera: 640x480 or better, Optical zoom 5X or better. The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user



department/corporation. However, the end user department/corporation may assist the bidder in securing the same. Drone specifications are as follows:

No	Parameter	Specification
1	UAS Type	Multicopter
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 5 kms
10	Operating Temperature	-10° to 50°C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload/Camera	Minimum 20MP Camera with: Day Camera: 1280 x 720 or better Night Camera: 640x480 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings
15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Ground Control Station (GCS)	Ruggedized laptop/ tablet with minimum 10-inch display, as Ground Control Station, at no additional cost to the purchasing entity. Further, the bidders shall provide 3-year comprehensive onsite warranty of the GCS as well.
18	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the DigitalSky platform or the manufacturer should provide an undertaking



		to get the drone certified before supplying the same
19	Warranty	3 years comprehensive onsite warranty

### Item No 19: Drone as a service for Survey (60 Minutes)

Drone as a service for Surveillance, inclusive of equipment, manpower and any other requirement for successful execution of the project.

The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user department/corporation. However, the end user department/corporation may assist the bidder in securing the same. Drone specifications are as follows:

No	Parameter	Specification
1	UAS Type	Multirotor/ Single Rotor/ Hybrid/ Fixed
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	120m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	PPK Enabled onboard GNSS (L1 and L2 frequency) along with Base (Master) GNSS receiver capable to achieve required accuracies
9	Ground Sampling Distance (GSD)	Less than 5 cm
10	Absolute accuracy	$x < 10 \text{ cm}$ $y < 10 \text{ cm}$ $z < 20 \text{ cm}$  (95% of the total checked values should fall within this accuracy)
11	Operating Range	Minimum 5 kms





12	Area Coverage	Minimum 1 sq km / flight  Forward Overlap: 80% or better, Side Overlap: 70% or better
13	Operating Temperature	-5° to 55° C or better
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Payload/ Cameras and sensors	RGB Sensor with a minimum resolution of 20 MP
16	Onboard data storage	Minimum 64 GB
17	Life	Minimum 500 landings
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
20	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
21	Warranty	3 years comprehensive onsite warranty

### Item No 20: Drone as a service for Survey (60 Minutes)

Drone as a service for Surveillance, inclusive of equipment, manpower and any other requirement for successful execution of the project.

The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user department/corporation. However, the end user department/corporation may assist the bidder in securing the same. Drone specifications are as follows:

No	Parameter	Specification
1	UAS Type	Multicopter/ Single Rotor/ Hybrid/ Fixed
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg



4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	120m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	PPK Enabled onboard GNSS (L1 and L2 frequency) along with Base (Master) GNSS receiver capable to achieve required accuracies
9	Ground Sampling Distance (GSD)	Less than 5 cm
10	Absolute accuracy	$x < 10 \text{ cm}$ $y < 10 \text{ cm}$ $z < 20 \text{ cm}$  (95% of the total checked values should fall within this accuracy)
11	Operating Range	Minimum 5 kms
12	Area Coverage	Minimum 1 sq km / flight  Forward Overlap: 80% or better, Side Overlap: 70% or better
13	Operating Temperature	-5° to 55° C or better
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Payload/ Cameras and sensors	24MP still camera (NADIR facing) (High Resolution Imaging)
16	Onboard data storage	Minimum 64 GB
17	Life	Minimum 500 landings
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
20	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide



		an undertaking to get the drone certified before supplying the same
21	Warranty	3 years comprehensive onsite warranty

### Item No 21: Drone as a service for Survey (60 Minutes)

Drone as a service for Surveillance, inclusive of equipment, manpower and any other requirement for successful execution of the project.

The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user department/corporation. However, the end user department/corporation may assist the bidder in securing the same. Drone specifications are as follows:

No	Parameter	Specification
1	UAS Type	Multirotor/ Single Rotor/ Hybrid/ Fixed
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	120m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	PPK Enabled onboard GNSS (L1 and L2 frequency) along with Base (Master) GNSS receiver capable to achieve required accuracies
9	Ground Sampling Distance (GSD)	Less than 5 cm
10	Absolute accuracy	$x < 10 \text{ cm}$ $y < 10 \text{ cm}$ $z < 20 \text{ cm}$  (95% of the total checked values should fall within this accuracy)
11	Operating Range	Minimum 5 kms
12	Area Coverage	Minimum 1 sq km / flight  Forward Overlap: 80% or better, Side Overlap: 70% or



		better
13	Operating Temperature	-5° to 55° C or better
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Payload/ Cameras and sensors	Multispectral camera (NADIR facing) (Spectral Imaging)
16	Onboard data storage	Minimum 64 GB
17	Life	Minimum 500 landings
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
20	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
21	Warranty	3 years comprehensive onsite warranty

### Item No 22: Drone as a service for Survey (60 Minutes)

Drone as a service for Surveillance, inclusive of equipment, manpower and any other requirement for successful execution of the project.

The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same. The bidder will also arrange for any and all permits, permissions, clearances, approvals etc. required for successful completion of the project, without any additional charge to the end user department/corporation. However, the end user department/corporation may assist the bidder in securing the same. Drone specifications are as follows:

No	Parameter	Specification
1	UAS Type	Multicopter/ Single Rotor/ Hybrid/ Fixed
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins



5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	120m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	PPK Enabled onboard GNSS (L1 and L2 frequency) along with Base (Master) GNSS receiver capable to achieve required accuracies
9	Ground Sampling Distance (GSD)	Less than 5 cm
10	Absolute accuracy	$x < 10 \text{ cm}$ $y < 10 \text{ cm}$ $z < 20 \text{ cm}$  (95% of the total checked values should fall within this accuracy)
11	Operating Range	Minimum 5 kms
12	Area Coverage	Minimum 1 sq km / flight  Forward Overlap: 80% or better, Side Overlap: 70% or better
13	Operating Temperature	-5° to 55° C or better
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Payload/ Cameras and sensors	Thermal camera (NADIR facing) (Thermal Imaging)
16	Onboard data storage	Minimum 64 GB
17	Life	Minimum 500 landings
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
20	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same



21	Warranty	3 years comprehensive onsite warranty
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**Item No. 23: Surveillance Drone (Day)**

No	Parameter	Specification
1	UAS Type	Multirotor/ Single rotor/ Hybrid/ Fixed wings
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 4 kms
10	Operating Temperature	-10° to 50° C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload/ Camera	Minimum 20MP Camera with: Day Camera: 1280 x 720 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings
15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Ground Control Station (GCS)	Software: Software for GCS live footage to telecast over remote location across globe along with person controlling the payload. Software should have a capability to see Drone's operation at minimum 5 locations simultaneously.



18	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
19	Warranty	3 years comprehensive onsite warranty

Added specification for bidders to provide software for GCS live footage to telecast over remote location across globe along with person controlling the payload.

#### **Item No. 24: Surveillance Drone (Day & Night/ Thermal)**

No	Parameter	Specification
1	UAS Type	Multicopter
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	400m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Operating Range	Min. 5 kms
10	Operating Temperature	-10° to 50°C or better
11	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
12	Payload/ Camera	Minimum 20MP Camera with: Day Camera: 1280 x 720 or better Night Camera: 640x480 or better Optical zoom 5X or better
13	Onboard data storage	Minimum 64 GB
14	Life	Minimum 500 landings
15	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning



16	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
17	Ground Control Station (GCS)	Software: Software for GCS live footage to telecast over remote location across globe along with person controlling the payload. Software should have a capability to see Drone's operation at minimum 5 locations simultaneously.
18	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
19	Warranty	3 years comprehensive onsite warranty

### Item No. 25: Surveying Drone

No	Parameter	Specification
1	UAS Type	Multicopter/ Single Rotor/ Hybrid/ Fixed
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Endurance	Minimum 60 mins
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	120m AGL or better
7	Service Ceiling	4500m AMSL or better
8	Global Navigation Satellite System (GNSS)	PPK Enabled onboard GNSS (L1 and L2 frequency) along with Base (Master) GNSS receiver capable to achieve required accuracies
9	Ground Sampling Distance (GSD)	Less than 5 cm
10	Absolute accuracy	$x < 10 \text{ cm}$ $y < 10 \text{ cm}$ $z < 20 \text{ cm}$  (95% of the total checked values should fall within this accuracy)
11	Operating Range	Minimum 5 kms
12	Area Coverage	Minimum 1 sq km / flight  Forward Overlap: 80% or better, Side Overlap: 70% or





		better
13	Operating Temperature	-5° to 55°C or better
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Payload/ Camera and sensore	RGB Sensor with a minimum resolution of 20 MP
16	Onboard data storage	Minimum 64 GB
17	Life	Minimum 500 landings
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
20	Ground Control Station (GCS)	Software: Software for GCS live footage to telecast over remote location across globe along with person controlling the payload. Software should have a capability to see Drone's operation at minimum 5 locations simultaneously.
21	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the DigitalSky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
22	Warranty	3 years comprehensive onsite warranty

### Item No. 26: Agriculture Spraying Drone

No	Parameter	Specification
1	UAS Type	Multirotor
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum up to 45 kg
4	Endurance	Minimum 60 mins with discharging load
5	Operational Wind Speed	Minimum 25km/hr or higher
6	Max Operating Altitude	Minimum 50 m AGL
7	Service Ceiling	4500m AMSL



8	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
9	Required Terrain following (altimeter)	Up to 12 meters
10	Hovering accuracy	$\pm 0.8$ m vertical and $\pm 0.5$ m horizontal with GPS Positioning
11	Operating Range	Up to 2 kms
12	Obstacle detection & Collision avoidance	<p>Range of Detection: Minimum 10 meters</p> <p>Sensors: LiDAR / Radar</p> <p>Rerouting: Drone must-have capability to reroute itself or give control to pilot.</p> <p>Object size to be detected: Minimum 1 meter x 1 meter</p> <p>Obstacle Avoidance in-flight modes: Autonomous, Loiter both.</p>
13	Operating Temperature	0° to 50°C
14	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
15	Spraying Tank	10 to 20 kg capacity as payload
16	Video Transmission	In LOS up to 2km with the provision of live video streaming 1080p@ 30 fps
17	Life	Minimum 3 years with 1-year minimum storage
18	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support semi-autonomous and autonomous flight planning and geofencing.
19	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power along with smart battery failsafe.
20	Ground Control Station (GCS)	Software: Software for GCS live footage to telecast over remote location across globe along with person controlling the payload. Software should have a capability to see Drone's operation at minimum 5 locations simultaneously.
21	Nozzle Type	High-pressure nozzles with flat jet



22	Nozzle Qty	Minimum 4
23	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
24	Warranty	3 years comprehensive onsite warranty

### Item No. 27: Disaster Management

No	Parameter	Specification
1	UAS Type	Multirotor
2	Take-off and Landing	Vertical Take-off and Landing
3	Maximum All Up Weight	Maximum 7 kg
4	Weight Carrying Capacity	750 Grams
5	Public Announcement System	< 40 Db @300 meters AGL (OEM certification)
6	Endurance	Minimum 60 mins
7	Operational Wind Speed	Minimum 25km/hr or higher
8	Max Operating Altitude	400m AGL or better
9	Service Ceiling	4500m AMSL or better
10	Global Navigation Satellite System (GNSS)	GPS/GLONASS/NavIC
11	Operating Range	Min. 5 kms
12	Operating Temperature	-10° to 50°C or better
13	Communication Link	2.4 GHz or any other delicensed frequency band with 128-bit AES encryption (ETA certificate required)
14	Payload	Day Camera: 1280 x 720 or better Optical zoom 5X or better
15	Onboard data storage	Minimum 64 GB
16	Life	Minimum 500 landings
17	Flight Planning and Ground Control Software	Interactive flight planning and ground control system with the ability to perform complex flight patterns and view real-time video from the payload. Should support



		semi-autonomous and autonomous flight planning
18	Emergency Recovery Mode	Ability to return to home in case of communication failure, low battery/power.
19	Ground Control Station (GCS)	Software: Software for GCS live footage to telecast over remote location across globe along with person controlling the payload. Software should have a capability to see Drone's operation at minimum 5 locations simultaneously.
20	Compliance	The drone should comply with the latest regulations and should be an approved drone model listed on the Digitalsky platform or the manufacturer should provide an undertaking to get the drone certified before supplying the same
21	Warranty	3 years comprehensive onsite warranty

**Item No 28: Rugged Tablet**

Sr. No.	Item Description		Compliance (Yes/ No)
1.	Processor	3 GHz or higher	
2.	Screen	7" Capacitive Touch Screen	
3.	Screen Resolution (Pixel)	1024X600 or Higher	
4.	Scratch resistant Screen	Yes	
5.	RAM	8 GB or Higher	
6.	Internal Storage	64 GB or Higher	
7.	Expandable Storage through Micro SD	16 GB or Higher	
8.	Rear Camera with Auto Focus	5 Megapixel or Higher	
9.	Camera with LED Flash	Yes	
10.	USB Port	1 No.	
11.	Micro USB Port	1 No.	
12.	Support for USB OTG	Yes	
13.	GSM SIM Card Slot	Yes	
14.	Certifications	Military Standard (MIL-STD), BIS and Rugged	
15.	Warranty	Three-years on-site warranty	

**Item No. 29: FHD Rugged Laptop 15.6 Inch with Intel Core i7 Processor**

Sr. No.	Item Description		Compliance (Yes/No)
1.	Processor Support	Intel Core i7 with 11 <sup>th</sup> Generation Processor or higher	
2.	Operating System	Windows 10 Pro, 64 bit	
3.	Memory	Memory: 16 GB DDR4-2400 MHz or higher expandable up to 32 GB or higher,	



		having 2 DIMM Slots. The bidder can also quote with 1 DIMM slot Free with expandable upto 16GB or Higher and another may be Soldered DIMM Slot.	
4.	Storage	1TB SSD	
5.	Graphics	Intel Integrated HD	
6.	Security	TPM 2.0	
7.	Connectivity	1 x 1 802.11b/g/n/ac	
8.	I/O Ports	I/O Ports :2 x USB 3.0, 1 x USB 2.0, VGA/ HDMI/ DVI, 10/100/1000M Gb IPV6 Compliant LAN, Bluetooth 4.0, 3.5mm audio in/out or headphone/ microphone combo jack, Internal Speaker	
9.	Battery	Li-Ion BATTERY Backup with Advance Management capable to provide 5 hours backup on standard working mode	
10.	Green Certifications	Green Certification: Energy Star Certified/ EPEAT Registered/ RoHS/WEEE/REACH, BIS	
11.	Keyboard & Mouse	OEM English Keyboard (it must have soft keys) with Mouse track pad	
12.	Display	15.6" LED Backlit display (1920x1080 or better) with integrated HD 720p or better Camera	
13.	Certifications	Military Standard (MIL-STD), BIS and Rugged	
14.	Speaker	Integrated speaker	
15.	Carry Bag	Executive Carry Bag	
16.	Warranty	Three years comprehensive onsite warranty inclusive battery & adaptor	

**Add on Items for Drones:**

Item No.	Item Description	Compliance (Yes/No)
26	Option 1: 24MP still camera (NADIR facing) (Swappable) (High Resolution Imaging)	
27	Option 2: Multispectral camera (NADIR facing) (Swappable) (Spectral Imaging)	
28	Option 3: Thermal camera (NADIR facing) (Swappable) (Thermal Imaging)	
29	Software: Software for GCS live footage to telecast over remote location across globe along with person controlling the payload. Software should have a capability to see Drone's operation at minimum 5 locations simultaneously.	

**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.
2. NOW THEREFORE KNOW ALL THE MAN THESE PRESENTS THAT WE, \_\_ (Bank Name) \_\_\_\_\_ having its Head Office at \_\_\_\_\_ (hereinafter called “the Bank”) are bound up to the Client in the sum of Rs. \_\_\_\_\_/- (Rs. \_\_\_\_\_) only) for which payment will and truly to be made to the said Client, the Bank binds itself, its successors and assignees by these presents.
3. The Bank further undertakes to pay to the purchaser up to the above amount on receipt of its first written demand, without the Client having to substantiate its demand. The Client’s decision in this regard shall be final and shall not be called upon to question under any circumstances. The Bank Guarantee will remain in force up to \_\_\_\_\_. However, its validity can be got extended before \_\_\_\_\_ solely at the instance of the Purchaser. This clause shall remain valid notwithstanding anything else contained to the contrary in this document.
4. Our responsibility under this guarantee is restricted to Rs. \_\_\_\_\_/- (Rupees \_\_\_\_\_) only and it will remain enforce up to \_\_\_\_\_ unless a demand in writing is received by the bank on or before \_\_\_\_\_, all your



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 \_\_\_\_\_, 2022. In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this \_\_\_\_\_ day of \_\_\_\_\_, 2022 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/Drones-Services/2k22-10947**

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 \_\_\_\_\_, 2022. In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this \_\_\_\_\_ day of \_\_\_\_\_, 2022 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 fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]

#### **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"]

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 or any other related notification, order, etc. for further details and all the requirements will be in accordance with this memorandum.