

**Note: For the downloaded tender forms enclose DD for Rs 500/- (Non-refundable) in favour of Air Force School, ASTE**

**AIR FORCE SCHOOL, ASTE**

Form No: \_\_\_\_\_



**TENDER DOCUMENT**

**SUPPLY AND INSTALLATION OF ULTRA HIGH DEFINITION (UHD) TOUCH INTERACTIVE DISPLAY AT AIR FORCE SCHOOL, ASTE**

Tender No: **ASTE/2703/2/09/ED**  
dated **05 Dec 2024**

GST/TIN/TAN No. \_\_\_\_\_

Name of the firm (Full address) \_\_\_\_\_

Tel Number \_\_\_\_\_

Mobile No \_\_\_\_\_

Details of EMD Bank DD No \_\_\_\_\_

Date \_\_\_\_\_

Phone : 080 25272332  
: 080 25276920  
E-mail : afsaste@yahoo.co.in

Air Force School, ASTE  
GV Camp, NAL Wind Tunnel Road  
Murgeshpalya, Bengaluru  
Pin: 560017

**REQUEST FOR PROPOSAL**  
**INVITATION OF BIDS FOR SUPPLY AND INSTALLATION OF ULTRA HIGH DEFINITION**  
**(UHD) TOUCH INTERACTIVE DISPLAY AT AIR FORCE SCHOOL, ASTE**

1. Sealed tenders (**TWO BID**) are invited from the reputed and experienced firms for above said work. Please super scribe the above mentioned Title and date of opening of the Bids on the sealed cover to avoid the BID being declared invalid.

2. The address and contact numbers for sending Bids or seeking clarifications regarding this RFP given below:

- |     |  |   |   |
|-----|--|---|---|
| (a) | Bids/ queries to be address to               | : | Executive Director<br>Air Force School, ASTE<br>Bengaluru – 560 017   |
| (b) | Postal Address                               | : | Executive Director<br>Air Force School, ASTE<br>GV Camp, NAL Wind Tunnel Road<br>Murugeshpalya, Bengaluru – 560 017 |
| (c) | Name/designation of the<br>Contact personnel | : | Executive Director<br>Air Force School, ASTE<br>GV Camp, NAL Wind Tunnel Road<br>Murugeshpalya, Bengaluru – 560 017 |
| (d) | Telephone No's of the contact<br>Personnel   | : | 080-25272332, 25276920  |
| (e) | E-mail IDs of contact personnel              | : | <a href="mailto:afsaste@yahoo.co.in">afsaste@yahoo.co.in</a>  |

3. This RFP divided into five parts following:

(a) **Part-I** Contains General information and instructions for the bidders about the RFP such as the time, place of submission and opening of tenders, validity period of tenders etc.

(b) **Part-II** Contains essential details of items/ services required, such as the schedule of requirements (SOR), Technical Specifications, Delivery period, Mode of Delivery and consignee Details.

(c) **Part-III** Contains standard conditions of RFP, which will form part of the contract with the successful Bidder.

(d) **Part-IV** Contains special conditions applicable to this RFP and which will also form part of the contract with the successful bidder.

(e) **Part-V** Contains evaluation criteria and format for price bids.

4. This RFP is being issued with no financial commitment and the Buyer reserves the right to change any part thereof at any stage, buyer also reserves the right to withdraw the RFP, should it become necessary at any stage.

**PART I – GENERAL INFORMATION**

1. **Last Date and Time for Submission of the Bids.** 26 Dec 2024 at 1000Hrs. The sealed Bid should be deposited/reached by the due date and time. The responsibility to ensure this lies with the Bidder.
2. **Pre Bid Meeting.** 13 Dec 2024 at 1200Hrs noon at Air Force School, ASTE GV Camp. Bidders are instructed to visit the site on a nominated date by the project officer before submitting the tender. **The project officer will discuss the requirements of items on ground with the vendor ,the pre bid meeting is important for submitting the tender, If not attended the bidder will be disqualified. The pre-bid meeting clearance certificate will be issued to the companies which demonstrate and have the capability to execute similar kind of prestigious projects in central / state govt.**
3. **Manner of Depositing the Bids.** Sealed Bids duly marked should be either dropped in the Tender Box at **Main Guard Room, ASTE Air Force, Wind Tunnel Road, Bangalore 560017** or sent by registered post at the address given above so as to reach by the due date and time. Late tenders will not be considered. No responsibility will be taken for postal delay or non delivery/ non-receipt of Bid documents. Bids sent by FAX or e-mail will not be considered.
4. **Time and Date for Opening of Bids.** The Technical Bids will be opened at **1300 hrs on 26 Dec 2024** and Price bid of tenderer who qualified technical bid will be intimated later. If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by the Buyer.
5. **Location of the Tender Box.** **Main Guard Room, ASTE Air Force, Wind Tunnel Road, Bangalore 560017.** Only those Bids that are found in the tender box will be opened. Bids dropped in the wrong Tender Box will rendered invalid.
6. **Two Bid System:** In case of the Two Bid system, only the Technical Bid would be opened on the date and time mentioned above. Date of opening of the Commercial Bid will be intimated after acceptance of the Technical Bids. Commercial Bids of only those firms will be opened, whose Technical Bids are found compliant/suitable after Technical Bid Evaluation done by the Committee.
7. **Forwarding of Bids:** Bids should be forwarded by Bidders under their original memo/letter pad inter alia furnishing details like TIN number, VAT/CST/GST number, Bank address with EFT Account if applicable, etc. & complete postal & e-mail address of their office. Only Technical Bid containing the following documents is required to be submitted to this office before date & time of opening of Technical Bid:
8. **Documents to be submitted with Technical Bid (cover no.1):-**
  - (a) Technical offer and any other document/information / brochures /clause affecting the cost / rate and delivery of each quoted item.
  - (b) Earnest Money Deposit (EMD) in form of FDR/PBG with minimum 6 months validity for Rs.4,38,000/- (Rupees Four Lakh Thirty Eight Thousand only).
  - (c) Duly executed power of attorney in the name of tenderer's authorized representative to act on behalf of the tenderer in case of firm/partnership duly authenticated by court of law.

- (d) Return full set of tender document in original duly signed with company stamp on each page as a token of acceptance of the entire tender terms and conditions as mentioned therein.
- (e) Registration certificate of the firm/company.
- (f) Certificate of undertaking signed by the bidder, as per **Appendix 'A' to Part I of RFP**.
- (g) OEM Authorised certificate, as per **Appendix 'B' to part I of RFP**. Authorisation certificate for the items considered for evaluation. Bidder should submit the necessary OEM along-with the Bid, else the bid will not be considered.
- (h) Documents as sought at **Para 6 of Part II of RFP**, for evaluating the eligibility of the firm.
- (j) Compliance to technical specifications as per format at **Appendix 'D'** to Part II of RFP.
- (k) Copy of **GST Certificate**.
- (l) **Appendix F to part V of RFP** (Check list).
- (m) Pre-bid meeting clearance certificate.

9. **Documents to be submitted with Financial Bid (cover no.2):-** Commercial bid (it will contain the enclosed schedule (bills of quotations (BoQ). Vendor will download the enclosed Schedule as per **Appendix E of part V of RFP** (BoQ) and fill all the details in all relevant fields and submit the same. No medication to any field of the schedule (BoQ) or file name is permissible. Any violation will render the bid invalid.

10. **Documents to be Carried with Bidder during Pre-Bid Meeting:-**

- (a) Copy of GST Certificate.
- (b) Original Equipment Manufacturer (OEM) Certificate.
- (c) Completion certificates of the similar works successfully executed by the Bidder.
- (d) Certificate from Bidder's Banker for Financial Soundness to execute the subject work.

11. **Clarification regarding contents of the RFP:** A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Buyer in writing about the clarifications sought not later than 14 (Fourteen) days prior to the date of opening of the Bids. Copies of the query and clarification by the purchaser will be sent to all prospective bidders who have received the bidding documents.

12. **Modification and Withdrawal of Bids:** A bidder may modify or withdraw his bid after submission provided that the written notice of modification or withdrawal is received by the buyer prior to deadline prescribed for submission of bids. A withdrawal notice may be sent by Email but it should be followed by a signed confirmation copy to be sent by post and such signed confirmation should reach the purchaser not later than the deadline for submission of bids. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security.

13. **Clarification regarding contents of the Bids:** During evaluation and comparison of bids, the Buyer may, at its discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.

14. **Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected.
15. **Unwillingness to quote:** Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of opening of the Bid failing which the defaulting Bidder may be delisted for the given range of items as mentioned in this RFP.
16. **Validity of Bids:** The Bids should remain valid till **120 Days** from the last date of submission of the Bids.
17. **Earnest Money Deposit.** Bidders are required to submit Earnest Money Deposit (EMD) for amount of Rs **4,38,000/- (Rupees Four Lakh Thirty Eight Thousand only)** along with their bids. The EMD may be submitted in the form of an Account Payee Demand Draft / Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee in favor of Air Force School, ASTE from any of the public sector banks or a private sector bank authorized to conduct government business. EMD is to remain valid for a period of forty-five days beyond the final bid validity period. EMD is not required to be submitted by those bidders who are registered with Central Purchase Organization (e.g DGS & D), NSIC or any department of MoD or MoD itself. The EMD will be forfeited if the bidder withdraws or amends, impair or derogates from the tender in any respect within the validity period of their tender.

Signature of the Tenders(s)

**Appendix 'A'**

(Refers to Para 8 [ f ])

(To be signed &amp; returned with the technical bid)

**CERTIFICATE / UNDERTAKING BY THE BIDDER**

1. It is certified that we, \_\_\_\_\_ (the company, consortium) have read and completely understood the entire Tender documents and its appendices along-with Annexure. Accordingly, we fully agree with all the terms and conditions and we will abide by them. We are also totally familiar with the conditions under which the work is to be performed including service conditions, availability of labour and materials, and we will not approach our client for raising project cost, post issue of purchase order or during the course of the project.

2. Therefore, it is further certified that any additional cost incurred / required to complete the project at Air Force School, ASTE would be borne by us. It is our responsibility and onus to propose and include any, and, all items required for a complete work whether or not it is identified or mentioned in the tendering documents or its attachments or enclosures or annexure.

3. We also agree to the Scope of Works (SoW) being a general guideline and further agree to the Customer reducing / increasing the SOW in the supply order based on the survey etc., during the TNC/PNC stage.

4. All prices are landed costs (at Air Force School, ASTE), inclusive of all taxes, duties, levies, freight etc., in Indian Rupees.

5. "I/ we hereby certify that I/we will be responsible for all the contractual obligations including uninterrupted supply, quality aspect replacement of items, installation, commissioning and duly handing over of the entire equipment/ system after trials /testing and warranty/guarantee obligations". "Also that my/our firm has not been blacklisted/debarred for further business by any of the central/state Govt. or PSU/reputed agencies/bodies and my/our business records are absolutely clean and in order" and that we/are the law abiding citizen/firm of this democratic nation "INDIA". And that we are not involved in any anti national / anti-social/ terrorism activity and no such case has been filed/ pending against us in any of the law enforcing body of Govt. of India/ State Govt. / any foreign country etc. Further to this I/we are not involved in any cases related to financial irregularities/frauds etc., in India/abroad.

4. I/ we further certify that I/we have gone through each and every clause of the tender document and have clearly understood these clauses. Implications of these clauses on the tender being submitted to Executive Director, Air Force School, ASTE including the costing of each individual items have also been clearly understood.

5. I/ we certify that we unconditionally agree to various terms and conditions given in the tender document and we have not quoted any commercial terms/conditions or any clause in our 'Q' bid (Commercial bid) which can affect the cost of items quoted by us. We have read & clearly understood all the clauses of tender document.

6. Details of my bank account are as follows: - (Please attach a cancelled cheque for verification and to ensure that the amount is credited to your correct bank account)

(a) Name of account :

- (b) Type of account :
- (c) Account No. :
- (d) IFSC Code :
- (e) Bank Name :

9. Full postal address of the bank with pin code, Tel No., Fax No. :ur/my contact details are as follows: -

- (a) Name of the contact person
- (b) Designation :
- (c) Tel No. with STD code :
- (d) Fax No. with STD code :
- (e) Mobile No. :
- (f) e-Mail id :

10. Our/my income tax details are as follows

- (a) IT PAN card No. :
- (b) ITO ward circle :
- (c) Full postal address of the income tax Officer where your income tax return is filled:

Sign \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

Place \_\_\_\_\_

Company Rubber Stamp/Seal

**Appendix 'B'**

(Refers to Para 8 [g])

(In original letter head of Manufacturer)

To

**OEM AUTHORIZATION LETTER**

**Ref Tender No:**

1. Whereas .....(Name and address of the Manufacturer) who are established and manufacturers of .....(Name and description of the products), having production facilities at .....(Address of factory) do hereby authorize M/s ..... (Name and address of the bidder) to submit a bid, and subsequently negotiate and sign the contract with you against Tender No.

\_\_\_\_\_ for the above products manufactured by us, for the supply requirement of the above invitation of bids.

2. We hereby extend full warranty for the products offered for supply by the above firm against the said tender and duly authorize the said firm to act on our behalf in fulfilling all installation, technical support and maintenance obligations as required by \_\_\_\_\_.

3. We hereby also declare that the product quoted against this tender is not end of life.

4. We also undertake to provide support directly / authorised partners to the **User / Air Force School, ASTE** in case supplier, who originally supplied the equipment, defaults, for a 7 year period from the date of completion of warranty period.

Name:

(In capacity of)

(Duly authorized to sign the authorization on and behalf of)

Signature:

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_



**PART-II ESSENTIAL DETAILS OF ITEMS / SERVICES REQUIRED**

1. **Scope of Works:** - List of Items / services / works required is as mentioned at **Appendix 'C'** to part II of RFP.
2. **Two-Bid System.** In respect of two bid systems, Bidders are required to furnish clause by clause compliance of specification bringing out clearly the deviations from specification, if any. The Bidders are to submit the compliance statement in the format as per **Appendix 'D' to Part II of RFP**, along-with Technical Bid.
3. **Delivery Period:** Time period for completion of above mentioned work in Air Force School, ASTE is **180 days** from the effective date of contract. Please note that contract can be cancelled unilaterally by the buyer in case the work is not completed within the designated time period mentioned above. Extension of contracted period will be at the sole discretion of the Buyer, with applicability of LD clause.
4. INCOTERMS for delivery and transportation: F.O.R Bidder/ Seller should deliver the goods on their own cost and risk.
5. Consignee details: Executive Director, Air Force School, ASTE, GV Camp, NAL Wind Tunnel Road, Murgeshpalya, Bengaluru-560017.
6. **Pre-Qualification Criteria:** The criteria for **short listing eligible participants** are as follows:-
  - (a) Experience/Past performance on **similar contracts** viz., the vendor should have experience in the field of installation of UHD Touch Interactive Display for a minimum period of 2 years. To this effect, past supply orders from institutes of repute may be submitted.
  - (b) Two similar nature completed UHD Touch Interactive Display related works the contractor should provide proof of similar completed works, costing not less than the amount equal to 80% of the estimated cost.
  - (c) Capabilities with respect to qualified personnel and equipment. To this effect details of manpower and qualified personnel (with qualification) in employment of the company shall be submitted.
  - (d) Financial standing of the firm through latest IT returns, Annual report viz., audited balance sheet, Profit & Loss account, of last two years shall be submitted.
  - (e) Minimum average annual turnover of **50 Lakhs** in the last two financial years ending **31 Mar 24**. Back up from the bankers/financial institutions for taking up high value orders is mandatory.
  - (f) The Bidder has to disclose number of employees registered with ESI & EPF for last **2 years (if applicable)**.
  - (g) Firms with foreign collaboration and capacity to supply imported equipment may also apply. Certificate of foreign OEM stating as their distributor of equipment in India shall be submitted.
  - (h) Bidder should have completed minimum **2 Years as on 31 Mar 2024** (With Documentary Proof) in the UHD Touch Interactive Display business under the same registered name, supported by company registration certificate.
  - (j) Manufacturer to offer warranty of 5 years.

**Note: - All the documents pertaining to the above criteria are to be submitted along with the technical bid.**

**Appendix "C" to Part-II of RFP**

<b>UHD TOUCH INTERACTIVE DISPLAY – AIR FORCE SCHOOL, ASTE</b>		
<b>S. NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>
<b>I</b>	<b>EQUIPMENT</b>	<b>QTY</b>
1	<b>Supply of All In one 75" UHD Touch Interactive Display 4K UHD</b> , Multi touch: 40 points Android 11.0, 4GB RAM 32 GB RAM memory inbuilt PC: Core i5 8 <sup>th</sup> Generation, 8GB RAM 128GB SSD Window 11 <sup>th</sup> Generation, Wall mount Bracket. Make: Preferably MAXHUB/any other renowned brand matching to the specifications.	20
<b>II</b>	<b>ANCILLARY WORKS</b>	<b>QTY</b>
2	<b>Supply of 4K Video Conference Camera</b> with following minimum Specifications: 4K Ultra Wide-angle Web Cam,4K@ 25 fps 120° DfoV ½.8" SONY sensor /HDR ,2 element Mic Array /Noise reduction algorithm, Audio Pick up upto 4 Meters, Auto Focus capability, White Balance, Exposure Auto, WO Port- USB Type-C (Device) x 1 Makes: Preferably MAXHUB/any other renowned brand matching to the specifications.	20
3	<b>Wireless Mic:</b> Supply of Wireless Lavalier Microphone- Wireless Lapel Mic supply of Wireless lapel Mic with cardioid polar pattern for transmitter, Receiver & Transmitter frequency response 100Hz- 18 kHz or better, Receiver RF sensitivity < 1.0 µv, Receiver Image rejection>55dB, Receiver Dynamic range>95dB and receiver having 32 channels possible, Receiver S/N ratio >100dBA, distortion <1% Transmitter sensitivity -5.6 mV/Pa, modulation:+/- 40kHz.	20
4	<b>Display Shutter:</b> Sliding shutter mechanism for above interactive boards -2fixed +2 sliding white boards. (12feet width, 4feet height. 1feet depth). Make: Custom.	20
5	<b>UPS</b> Supply of 1KVA UPS with following Minimum specification. Online UPS with 1KVA Rating built in battery for 30 minutes back up. Minimum three output socket required.	20
6	Supply, installation, testing and commissioning.	20
<b>SUMMARY</b>		
I	Equipment	
II	Ancillary Works	

**NOTE:** Recommended makes for UHD Touch Interactive Display 4K UHD

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Appendix 'D' refer to Part-II of RFP**

<b><u>UHD TOUCH INTERACTIVE DISPLAY - Air Force School, ASTE</u></b>					
<b>S. NO.</b>	<b>DESCRIPTION</b>		<b>QTY</b>	<b>Compliance to RFP Specifications/Mention Brand</b>	<b>In case of non-compliance deviation from RFP to be specified in unambiguous term</b>
<b>I</b>	<b>Parameters</b>	<b>Specifications</b>			
	Size (Diagonal)	75" or Higher	20		
	Brightness (Typ.)	380 cd/m2 or higher			
	Screen Level	A-Level screen			
	Resolution	4K (3840 x 2160)			
	OSD resolution	4K (3840 x 2160)			
	Native Contrast Ratio	1200:1 or higher			
	Colour Accuracy	Delta E $\leq$ 2 color accuracy or better			
	Display Response Time	8ms or less			
	Display Colours	1.07 billion (10 bit)			
	Viewing angle	178 degree (H/V)			
	Glass Thickness	3mm or higher			
	Low Parallax	Zero bonding with maximum 1mm Air Gap			
	TÜV Certified Flicker Free Certificate	Required			
	TÜV Certified Low Blue Light Certificate	Required			
	Built-in Android version	Android 11.0 or higher			
	CPU	A55 x 4 or better (Quad Core)			
	Clock Speed	At least 2 GHz or better			
	ROM	32GB or higher			
	RAM	4GB or higher			
	Dual-tasking in split view	Required			
	PIP	Should be able to open and two different inputs in simultaneously in PIP mode (Android and HDMI/USB C/OPS/VGA)			
	Multi Window	Should be able to open and view up to 4 different apps simultaneously in Android version in multi Window mode			
	AES 128 Bit encrypted screen sharing software for BYOD	Required			
	Compatible with wireless screen sharing dongle	Required			
	Cast	Should be able to cast 9 simultaneous devices simultaneously and must support App, Airplay, Chrome cast, Web Browser Floating Window must be available in Casting Reverse Casting Option from			
	Touch Technology	IR Zero Bonding			
	Touch Point	Minimum 40 touch points Minimum 32 for Android			

	Touch accuracy	+/- 1.5mm or better			
	Touch Response Time	5ms or less			
	Surface Hardness	Toughened Glass with Level 9H Standard			
	Built-in Speakers	Minimum 16W x 2 Speakers			
	Wireless screen sharing from phones, tablets, PCs or Macs to the IFP	Required			
	Single Wifi Module for both Android and Windows	Required			
	WiFi Version Supports - 802.11 a/b/g/n/ac/ax	Required			
	Panel should make its own Hotspot and support Airplay function	Required			
	Wifi and Hotspot must work simultaneously				
	HDMI input 3 (HDMI2.0 - 4k@60Hz)	3 or more			
	HDMI Output Port	1 or more			
	VGA IN	1 or more			
	USB 2.0 Port	1 or more			
	USB 3.0 Port	4 or more			
	USB Type-C Port (Audio, video, Touch, Network and at least 65 W of Charging)	1 or more			
	Touch Out Port	2 or more			
	Audio IN	1 or more			
	Audio OUT	1 or more			
	SPDIF	1 or more			
	RS232	1 or more			
	RJ45	2 or more			
	Thickness of the Panel	The Panel should be slim design with thickness of 100mm or less			
	<b>In-built Intel PC Module 11th Gen with 80 pin connector:</b>	Required; OPS and Panel must be from the same OEM			
	Memory	128 GB SSD or above (based on the OPS model)			
	RAM	8GB or higher			
	Pre loaded OS	Windows 10			
	Pre installed Soft wares	Teaching Content Building Software, Whiteboard software and Casting software in windows should be from same OEM			
	<b><u>Mandatory features:</u></b>				
	All software is developed in-house	Required		Check the third-party software	Check the third-party software
	<b>Touch gesture:</b> Users can use pre-determined commands without using the keyboard or mouse	Required			
	<b>Intelligent hand writing recognition:</b> Support writing recognition in 15 languages: English, Hindi	Required			
	<b>Split-screen writing:</b> Support split-screen writing function and user could choose to split the screen up tp four parts for simultaneous writing.	Required			

	Writing option with pens of different colours simultaneously	Required			
	Dual Pen Dual Colour	Required			
	Instant stickers for building reminders	Required			
	Smart table features - building table by just sliding fingers; add row & column; automatically adapt height and width of each cell etc.	Required			
	<b>Smart interacton with browser</b> : Search with whiteboard writing in the browser, drag your preferred search results from the browser to whiteboard	Required			
	Screen recording, 4 split view, Air class, lock screen	Required			
	Eye care mode feature	Required			
Android System OS					
	Account	1. Supporting account function, personal data can be synchronized with account, such as wallpaper, widgets, homepage shortcuts, personal files, account settings and so on.			
	Launcher	1. Supporting widgets, including class, browser, personal files, app center, and system keeper. Support adding, deleting, editing orders to widgets, and all the changes will be synchronized with account. 2. Supporting adding shortcuts to homepage, including applications, websites. files or folders. The shortcuts can be synchronized with account. 3. System functions can be reached directly from status bar in homepage. User can access system settings/USB disk, adjust volume/brightness with a simple tap on the status bar icon. 4. Sidebar can be customized, user can add, delete, adjust orders to applications and tools in sidebar.			
	Tools	1. Supporting up to 12 practical tools, including Menu, Mark, Cast, Crop, Recorder, Timer, Stop watch, Air Class, Spot light, Freeze screen, Screen lock, Guided access and Calculator. 2. Powerful PIP function, supporting touching, adjusting volume and switching between sources while displaying source preview. 3. Supporting clearing redundant files and cache periodically.			
	Applications	1. Providing app store, supporting adding, removing,			

		<p>updating apps, also supporting editing app introduction, snapshot and adding language supports, the changes can be synchronized with IFP devices in real time.</p> <p>2. Pre-loaded with various apps: Note, File manager, Browser, Cloud drive, Keeper, Visualizer and Palette. Providing abundant support for scenarios.</p> <p>3. Note provides various functions, for example: file sharing, handwriting recognition, adding graphs, shape, ruler, table, mind map, note and grid. When written contents are selected, Note supports vectorization, flip, fill, clone and changing colors.</p>			
	Sound & Display	Supporting eye protection/energy saving mode, supporting auto backlight, supporting pixel shift. Supporting adjusting audio & display settings, including changing presets or fully customized settings.			
	System Upgrade	Supporting checking system upgrade automatically, supporting upgrading in batches.			
<b>Remote Management Software</b>					
	Android and windows supported	For IT administrators to control devices from a friendly web console. Device management based on IOT technology, compatible with Android and Windows operating system devices. Android and Windows version must be from the same OEM			
	Device security	The built-in device monitoring function allows you to locate devices; Able to set a URL block/allow list to prevent student using unwanted websites; Real-time screen preview allow admins to find out unwanted device use; Remote screen control allow admins to take control of the screen;			
	Device settings	Using Profile as a set of configuration settings. Easy apply a profile to targeted devices.			
	Updates	Support batch OTA upgrade, unified software deployment; Support check during afterhours and update automatically;			
	Messages	Built-in multimedia content push distribution function, supporting picture, video, audio, software, system certificate file			

		transmission. Emergency information push is supported;			
	Security related	Network access blacklist and white list Settings; Block ads popovers; System settings lock, factory menu lock and screen lock.			
	Device energy saving	Within a specific period of time, admins can set the device to automatically turn off the screen, lock the screen, or shut down after no operation; Recurring commands support device wake up and shut down.			
	Users and roles	Allow multiple users to manage together. Custom roles can have different permissions defined by admins.			
	<b>Cluster Update of Panel Firmware</b>	Panel Firmware should be able to update from a centralized platform			
	<b>Product Certification</b>	CB, CE, FCC, RCM, PSE, BIS, KC, KCC, ROHS			
	<b>USB Camera Tender Specification</b>				
	Product Features	4K Video Conference Camera with following Minimum Specification: 4K Ultra Wide-angle Web Cam, 4K@ 25fps   120° DFoV ½.8" SONY sensor   HDR, 2 element Mic Array   Noise reduction algorithm, Audio Pick up upto 4 Meters, Auto Focus capability. White Balance, Exposure Auto, WO Port- USB Type- C (Device) x 1	20		
	OEM	Same as Display Manufacture			
	<b>Wireless Lavalieri Microphone Tender Specifications</b>				
		Supply of Wireless Lavalier Microphone-Wireless Lapel Mic-Supply of Wireless Lapel Mic with Cardioid polar pattern for transmitter , Receiver & Transmitter frequency response 100Hz-18kHz or better, Receiver RF sensitivity < 1.0 μV, Receiver Image rejection>55dB,Receiver Dynamic range >95dB and receiver having 32 channels possible, Receiver S/N ratio >100dB A, distortion <1 %, Transmitter sensitivity - 5.6 mV/Pa, modulation:+/-40kHz	20		
	<b>Sliding shutter Tender Specification</b>				
		Sliding shutter mechanism for above interactive boards-2 fixed + 2 sliding white boards. (12 feet width, 4 feet height, 1'feet depth)	20		
	<b>UPS Tender Specification</b>				
		Supply of 1KVA UPS with following Minimum Specification: Online UPS with 1KVA Rating, build in battery for Min 15 mins back up	20		

### **PART III – STANDARD CONDITIONS OF RFP**

The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of the Bid submitted by the Bidder.

1. **Law**. The Contract shall be considered and made in accordance with the laws of the Republic of India. The contract shall be governed by and interpreted in accordance with the laws of the Republic of India.
2. **Effective Date of the Contract**. The contract shall come into effect on the date of signatures of both the parties on the contract (Effective Date) and shall remain valid until the completion of the obligations of the parties under the contract. The deliveries and supplies and performance of the services shall commence from the effective date of the contract.
3. **Arbitration**. All disputes or differences arising out of or in connection with the Contract shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the Contract or relating to construction or performance, which cannot be settled amicably, may be resolved through arbitration. The standard clause of arbitration is as per Forms DPM-7, DPM-8 and DPM-9 (Available on MoD website and can be provided on request).
4. **Penalty for Use of Undue Influence**. The Seller undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favour or disfavour to any person in relation to the present Contract or any other Contract with the Government of India. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/ penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.
5. **Agents / Agency Commission**. The Seller confirms and declares to the Buyer that the Seller is the original manufacturer of the stores/provider of the services referred to in this Contract and has not engaged any individual or firm, whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, to the award of the contract to the Seller; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Seller agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that the Seller has engaged any such individual/firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this contract, the Seller will be liable to refund that amount to the Buyer. The Seller will also be debarred from entering into any supply Contract with the Government of India for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Contract either wholly or in part, without any



entitlement or compensation to the Seller who shall in such an event be liable to refund all payments made by the Buyer in terms of the Contract along with interest at the rate of 2% per annum above LIBOR rate. The Buyer will also have the right to recover any such amount from any contracts concluded earlier with the Government of India.

6. **Access to Books of Accounts.** In case it is found to the satisfaction of the Buyer that the Seller has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the Seller, on a specific request of the Buyer, shall provide necessary information/ inspection of the relevant financial documents/information.

7. **Non-disclosure of Contract Documents.** Except with the written consent of the Buyer/ Seller, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

8. **Liquidated Damages.** In the event of the Seller's failure to submit the Bonds, Guarantees and Documents, supply the stores/goods and conduct trials, installation of equipment, training, etc as specified in this contract, the Buyer may, at his discretion, withhold any payment until the completion of the contract. The BUYER may also deduct from the SELLER as agreed, liquidated damages to the sum of 0.5% of the contract price of the delayed/undelivered stores/services mentioned above for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not higher than 10% of the value of delayed stores.

9. **Termination of Contract.** The Buyer shall have the right to terminate this Contract in part or in full in any of the following cases:-

(a) The delivery of the material is delayed for causes not attributable to Force Majeure for more than **(02 months)** after the scheduled date of delivery.

(b) The Seller is declared bankrupt or becomes insolvent.

(c) The delivery of material is delayed due to causes of Force Majeure by more than **(02 months)** provided Force Majeure clause is included in contract.

(d) The Buyer has noticed that the Seller has utilised the services of any Indian/Foreign agent in getting this contract and paid any commission to such individual/company etc.

(e) As per decision of the Arbitration Tribunal.

10. **Notices.** Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by Email or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is sent.

11. **Transfer and Sub-letting.** The Seller has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

12. **Patents and Other Industrial Property Rights:** The prices stated in the present Contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered charges, trademarks and payments for any other industrial property rights. The Seller shall indemnify the Buyer against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or use. The Seller shall be responsible for the completion of the supplies including spares, tools, technical literature and training aggregates irrespective of the

fact of infringement of the supplies, irrespective of the fact of infringement of any or all the rights mentioned above.

13. **Amendments**. No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

14. **Taxes and Duties:-**

(a) **In respect of Foreign Bidders. NA in this case.**

(b) **In respect of Indigenous Bidders.**

(i) **Customs Duty.**

(aa) For imported stores offered against forward delivery, the Bidder shall quote prices thereof exclusive of customs duty. The Bidder shall specify separately the C.I.F. prices and total amount of customs duty payable. They will also indicate correctly the rate of customs duty applicable along with Indian Customs Tariff Number. Customs duty as actually paid will be reimbursed on production of necessary documents i.e.

(i) Triplicate copy of the bill of entry; (ii) copy of bill of lading; (iii) a copy of foreign principal's

invoice. However, if the Bidder imports the stores in question against his own commercial quota Import Licences, he will also be required to submit in addition the triplicate copy of bills of entry etc. a certificate from his Internal Auditor on the bill itself, to the effect that the following items/quantity in the bill of entry related to the stores imported against Defence Buyer contract number..... dated.....

(ab) Subsequent to the reimbursement of customs duty, the Bidder will submit to the concerned Payment Authority a certificate to the effect that he has not obtained any refund of customs duty subsequent to the payment of duty to the Customs authority by him. In addition, he shall also submit to the Paying Authority concerned a certificate immediately after a period of three months from the date of payment of the duty to customs authorities to the effect that he has not applied for refund of the customs duty subsequent to the payment of duty to the customs authorities by him.

(ac) In case the Bidder obtains any refund of customs duty, subsequently to the payment of the same by him to the customs authorities and reimbursement of the customs duty to him by the Payment Authority, he should forthwith furnish the details of the refund obtained and afford full credit of the same to the Buyer.

(ad) If the material or finished work and Equipment are not found acceptable, the contractor shall not be granted custom duty exemption for the replacement material and equipment required for re-executing the work as per contract.

(ac) The Seller is also required to furnish to the Paying Authority the following certificates:-

1. Certificate with each bill to the effect that no refund has been obtained in respect of the reimbursement of excise duty made to the Seller during three months immediately preceding the date of the claim covered by the relevant bill.

2. Certificate as to whether refunds have been obtained or applied for by them or not in the preceding financial year after the Annual Audit of their accounts also indicating details of such refunds / applications, if any.

3. A certificate along with the final payment bills of the Seller to the effect whether or not they have any pending appeal/protest for refund or partial refund of excise duties already reimbursed to the Seller by the Government pending with the Excise authorities and if so, the nature, the amount involved, and the position of such appeals.

4. An undertaking to the effect that in case it is detected by the Government that any refund from Excise Authority was obtained by the Seller after obtaining reimbursement from the Paying Authority, and if the same is not immediately refunded by the Seller to the Paying Authority giving details and particulars of the transactions, Paying Authority will have full authority to recover such amounts from the Seller's outstanding bills against that particular contract or any other pending Government contracts and that no dispute on this account would be raised by the Seller.

(ad) Unless otherwise specifically agreed to in terms of the contract, the Buyer shall not be liable for any claim on account of fresh imposition and/or increase of Excise Duty on raw materials and/or components used directly in the manufacture of the contracted stores taking place during the pendency of the contract.

(iv) **GST. After 01 Jul 2017, all taxes/duties/levies have been merged into only one tax i.e. Goods and Service Tax (GST).**

(aa) If it is desired by the Bidder to ask for GST to be paid as extra, the same must be specifically stated. In the absence of any such stipulation in the bid, it will be presumed that the prices quoted by the Bidder are inclusive of GST and no liability of GST will be developed upon the Buyer.

(ab) On the Bids quoting GST extra, the rate and the nature of GST applicable at the time of supply should be shown separately. GST will be paid to the Seller at the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to GST and the same is payable as per the terms of the contract.

(v) **Octroi Duty & Local Taxes. After 01 Jul 2017, all taxes/duties/levies have been merged into only one tax i.e. Goods and Service Tax (GST).**

(aa) Normally, materials to be supplied to Government Departments against Government Contracts are exempted from levy of town duty, Octroi Duty, Terminal Tax and other levies of local bodies. The local Town/Municipal Body regulations at times, however, provide for such Exemption only on production of such exemption certificate from any authorised officer. Seller should ensure that stores ordered against contracts placed by this office are exempted from levy of Town Duty/Octroi Duty, Terminal Tax or other local taxes and duties. Wherever required, they should obtain the exemption certificate from the Buyer, to avoid payment of such local taxes or duties.

(ab) In case where the Municipality or other local body insists upon payment of these duties or taxes the same should be paid by the Seller to avoid delay in supplies and possible demurrage charges.

#### **PART IV – SPECIAL CONDITIONS OF RFP**

The Bidder is required to give confirmation of their acceptance of Special Conditions of the RFP mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of Bid submitted by the Bidder.

1. **Performance Security:** The Bidder will be required to furnish a Performance security by way of Bank Guarantee through a public sector bank or a private sector bank authorized to conduct government business (ICICI Bank Ltd., Axis Bank Ltd or HDFC Bank Ltd.) for a sum equal to 10% of the contract value within 30 days of receipt of the confirmed order. Performance security should be valid up to 60 days beyond the date of warranty. The specimen of PBG is given in Form DPM-15 (Available in MoD website and can be provided on request).

2. **Payment Terms:** It will be mandatory for the Bidders to indicate their bank account numbers and other relevant e-payment details so that payments could be made through ECS/EFT mechanism instead of payment through cheques, wherever feasible. A copy of the model mandate form prescribed by RBI to be submitted by Bidders for receiving payments through ECS is at Form DPM-11 (Available in MoD website and can be given on request). The payment will be made as per the following terms, on production of the requisite documents within 30 days.

3. **Repeat Order Clauses:** Repeat Order and/or Option Clause may be exercised more than once, provided altogether these orders do not exceed 50% of the original order quantity.

4. **Tolerance Clause:** To take care of any change in the requirement during the period starting from issue of RFP till placement of the contract, Buyer reserves the right to 10% plus/minus increase or decrease the quantity of the required goods up to that limit without any change in the terms and conditions and prices quoted by the seller. While awarding the contract, the quantity ordered can be increased or decreased by the buyer within this tolerance limit.

5. **Payment terms:** Payment will be given as per the details given below:

- (a) 70% payment on supply of items and acceptance by the user.
- (b) 30% on completion of installation, testing and commissioning in all respect and acceptance by the user.

6. **Paying Authority:** Executive Director, Air Force School, ASTE.

The payment of bills will be made on submission of the following documents by the Seller to the Paying Authority:-

- (a) Ink-signed copy of contingent bill / Seller's bill.
- (b) Ink-signed copy of Commercial invoice / Seller's bill in duplicate.
- (c) Copy of supply order/ contract.
- (d) CRVs in Duplicate.
- (e) Satisfactory report.
- (f) Exemption certificate for excise duty/ customs duty, if applicable.
- (g) Guarantee/ warranty certificate
- (h) Performance Security Deposit.
- (j) Details of Bank Account for electronic payment viz Account holder's name, Bank name, Branch name and address, Account type, Account number, IFSC code, MICR code. (If these details are not incorporated in supply order/ contract)
- (k) Any other document/ certificate that may be provided for in the supply order/ contract.
- (l) User acceptance.

7. **Fall Clause:**

(a) The Price charged for the stores supplied under the Supply Order by the seller shall in no event exceed the lowest prices at which the Seller sales the stores or offer to sell the stores of identical description to any persons/Organisation including the purchaser or any department of the central government or any Department of state government or any statutory undertaking the central or state government as the case may be during the period till performance of all supply orders placed during the currency of the rate Supply Order is completed.

(b) At any time, during the said period the Seller reduces the sale price, sells or offer to sell such stores to any person/organisation including the purchaser or any Deptt, of Central Govt or any Department of the State Government or any Statutory undertaking of the Central or state government as the case may be at a price lower than the price chargeable under the Supply Order, the seller shall forthwith notify such reduction or sale or offer of sale to the Buyer and the price payable under the Supply Order for the stores of such reduction of sale or offer of the sale shall stand correspondingly reduced .

(c) The Seller shall furnish the following certificate to the Paying Authority along with each bill for payment for supplies made against the Rate Supply Order – “We certify that there has been no reduction in sale price of the stores of description identical to the stores supplied to the Government under the Supply Order herein and such stores have not been offered/sold by me/us to any person/organisation including the purchaser or any department of Central Government or any Department of a state Government or any Statutory Undertaking of the Central or State Government as the case may be up to the date of bill/the date of completion of supplies against all supply orders placed during the currency of the Rate Supply Order at price lower than the price charged to the government under the Supply Order.

8. **Risk & Purchase Clause:**

(a) Should the stores or any installment thereof not be delivered within the time or time specified in the contract documents, or if effective delivery is made in respect of the stores or any installment thereof, the Buyer shall after granting the Seller 45 days to cure the breach, be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.

(b) In case of a material breach that was not remedied within 45 days, the BUYER shall, having given the right of first refusal to the SELLER be at liberty to purchase, manufacture, or procure from any other source as he thinks fit other stores of the same or similar description to make good:-

i) Such default

ii) In the event of the contract being wholly determined the balance of the stores remaining to be delivered there under.

(c) Any excess of the purchase price, cost of manufacturer, or value of any stores procured from any other supplier as the case may be, over the contract price appropriate to such default or balance shall be recoverable from the SELLER. Such recoveries shall not exceed 10 % of the value of the contract.

9. **Specification:** The following Specification clause will form part of the contract placed on successful Bidder - The Seller guarantees to meet the specifications as per Part-II of RFP and to incorporate the modifications to the existing design configuration to meet the specific requirement of the Buyer Services as per modifications/requirements recommended after the Maintenance Evaluation Trials.

10. **Warranty:** The following Warranty will form part of the contract placed on the successful Bidder:

(i) The Seller warrants that the goods supplied under the contract conform to technical specifications prescribed and shall perform according to the said technical specifications.

(ii) The Seller warrants for a period of **36 months** from the date of installation and commissioning, whichever is later, that the goods/stores supplied under the contract and each component used in the manufacture thereof shall be free from all types of defects/failures.

(iii) If within the period of warranty, the goods are reported by the buyer to have failed to perform as per the specifications, the Seller shall either replace or rectify the same free of charge, within a maximum period of 45 days of notification of such defect received by the Seller, provided that the goods are used and maintained by the Buyer as per instructions contained in the Operating Manual. Warranty of the equipment would be extended by such duration of downtime.

(iv) The Seller shall also warrant that necessary service and repair back up during the warranty period of the equipment shall be provided by the seller and he will ensure that the downtime is within 05 % of the warranty period.

**11. OEM Certificate:** In case the Bidder is not the OEM, the agreement certificate with the OEM for sourcing the spares shall be mandatory. However, where OEMs do not exist, minor aggregates and spares can be sourced from authorized vendors subject to quality certification.

**12. Quality:** The quality of the stores delivered according to the present Contract shall correspond to the technical conditions and standards valid for the deliveries of the same stores for in Seller's country or specifications enumerated as per RFP and shall also include therein modification to the stores suggested by the Buyer. Such modifications will be mutually agreed to. The Seller confirms that the stores to be supplied under this Contract shall be new i.e. not manufactured before (Year of Contract), and shall incorporate all the latest improvements and modifications thereto and spares of improved and modified equipment are backward integrated and interchangeable with same equipment supplied by the Seller in the past if any. The Seller shall supply an inter-changeability certificate along with the changed part numbers wherein it should be mentioned that item would provide as much life as the original item.

**13. Quality Assurance:** Seller would provide the Standard Acceptance Test Procedure (ATP) within 01 month of this date of contract. Buyer reserves the right to modify the ATP. Seller would be required to provide all test facilities at his premises for acceptance and inspection by Buyer. The details in this regard will be coordinated during the negotiation of the contract. The item should be of the latest manufacture, conforming to the current production standard and having 100% defined life at the time of delivery.

**14. Third Party Inspection:** The Inspection will be carried out by a Board of officers detailed by Executive Director, Air Force School, ASTE, over and above, in order to ascertain the quality of work at every stage a third party government approved agency will be appointed by the school to carry out the inspection at every stage of work. The third party agency will be asked to submit a report to the school clearly mentioning quality control and workmanship of the work executed. Third party will also carry out testing of building material such as cement, steel, sand, bricks as per the norms and submit the test reports to the school directly. If any material / work is found unsatisfactory the contractor will be made liable to remove the same. The payment to the contractor will be made after satisfactory completion of work and the final test report by the third party agency. The inspection will be carried out in the presence of contractor and school representative. The expenditure for carrying out the testing will be deducted from the contractor's final payment.

**15. Pre-Dispatch Inspection** - The following Pre-dispatch Inspection clause will form part of the contract placed on successful Bidder –

a. The Buyer's representatives will carry out Pre-Despatch Inspection (PDI) of the stores/equipment in order to check their compliance with specifications in accordance with its usual standard procedures. Upon successful completion of such PDI, the Seller and

Buyer will issue and sign a Certificate of Conformity as per the specimen at Form DPM-21 (Available in Mo website and can be given on request. 197

b. The Seller shall intimate the Buyer at least 45 days before the scheduled date of PDI. The time required for completing visa formalities by the Seller should not be included in this notice. The Buyer will send his authorised representative(s) to attend the PDI.

c. The list of Buyer's representatives together with their particulars including name, title, date and place of birth, passport numbers including date of issue and date of expiry, address, etc. must be communicated by the Buyer at least 15 (No of days) in advance to apply for the necessary authorisations and clearances to be granted.

d. The Buyer reserves the right not to attend the PDI or to request for postponement of the beginning of the PDI by a maximum of fifteen (15) days from the date fixed for such PDI in order to allow his representative(s) to attend such tests, in which cases he shall inform in writing the Seller within 15 days before the date of the beginning of the PDI. Should the Buyer request for such postponement, liquidated damages, if any, shall not apply. In case the Buyer informs the Seller within the period mentioned hereinabove that he cannot attend the PDI or in case the Buyer does not come at the postponed date requested by him for performance of the PDI as mentioned above, the Seller shall be entitled to carry out said tests alone as scheduled. The Certificate of Conformity and the Acceptance Test Report will be signed by the Seller's QA representative alone and such documents bearing the sole signature of the Seller's QA representative shall have the same value and effect as if they have been signed by both the parties. In case Buyer does not elect to attend the PDI, the Buyer shall intimate the Seller in writing that it does not wish to attend the PDI.

e. The Seller shall provide all reasonable facilities, access and assistance to the Buyer's representative for safety and convenience in the performance of their duties in the Seller's country.

f. All costs associated with the stay of the Buyer's Representative(s) in the country where the PDI is to be carried out, including travel expenses, boarding and lodging, accommodation, daily expenses, shall be borne by the Buyer.

g. The Seller shall provide Acceptance Test Procedure to the Buyer's QA Agency within one month from the signing of the Contract.

## **PART V – EVALUATION CRITERIA**

1. **Evaluation Criteria.** The broad guidelines for evaluation of Bids will be as follows:-
  - (a) Only those Bids will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the RFP, both technically and commercially.
  - (b) In respect of Two-Bid system, the Technical Bids submitted by the Bidders will be evaluated by the Buyer with reference to the technical characteristics of the equipment as mentioned in the RFP. The compliance of Technical Bids would be determined on the basis of the parameters specified in the RFP. The Price Bids of only those Bidders will be opened whose Technical Bids clear the Technical Evaluation.
  - (c) **The lowest Bid will be decided upon the lowest total basic excluding GST price quoted by the particular Bidder as per the Price Format (BOQ) given at Appendix 'E' to Part-V of RFP.** The consideration of taxes and duties in evaluation process will be as follows:-
    - (i) In cases where only Indian Bidders are competing, L-1 Bidder will be determined by excluding levies, taxes and duties levied by Central/State/Local governments such Import Duty (if any), GST, etc on final product, as quoted by Bidders.
  - (d) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the price will prevail and the total price will be corrected. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.
  - (e) The buyer reserves the right to evaluate the offers received by using Discounted Cash Flow method at a discounting rate of \_\_\_\_%. In case cash flow involves more than one currency, the same will be brought to a common denomination in Indian Rupees by adopting exchange rate as BC selling rate of the State Bank of India on the date of the opening of Price Bids.
  - (f) The lowest Acceptable Bid will be considered further for placement of contract/Supply Order after complete clarification and price negotiations as decided by the Buyer. The Buyer will have the right to award contracts to different Bidders for being lowest in particular items. The Buyer also reserves the right to do Apportionment of Quantity, if it is convinced that Lowest Bidder is not in a position to supply full quantity in stipulated time.
  - (g) **Executive Director, Air Force School, ASTE** reserves the rights to negotiate Commercial Bid with the shortlisted vendors.
  - (h) The information is to be filled in carefully after studying the Tender Document and should tally with 'Technical' bid format.
  - (j) Any information filled wrongly would result in the rejection of this bid and hence utmost care be taken while filling this format.
  - (k) All the taxes, duties applicable should be clearly spelt-out in the quote.
  - (l) Tenderer to please note that the actual quantity of order will be decided as per the budget provision and the price decided based on the tender, may not be less/ more than 25% of the quantity indicated.
  - (m) Any other criteria as applicable to suit a particular case.

**Bid Format:** The Price Bid format is given below and Bidders are required to fill this up correctly and with full details:



**AIR FORCE SCHOOL, ASTE**  
**COMMERCIAL BID (BOQ)**

Name of the firm (Full Address) \_\_\_\_\_

Tel/Mob Number \_\_\_\_\_ Email ID \_\_\_\_\_

**Appendix 'E' to Part-V of RFP**

I hereby tender the rates mentioned below for providing, fixing and installation of following items at Air Force School, ASTE:

<b>UHD TOUCH INTERACTIVE DISPLAY - AIR FORCE SCHOOL, ASTE</b>					
<b>S. NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>Rate in Rs.</b>	<b>GST</b>	<b>Amount in Rs.</b>
<b>I</b>	<b>EQUIPMENT</b>	<b>QTY</b>			
1	<b>Supply of All In one 75" UHD Touch Interactive Display 4K UHD</b> , Multi touch: 40 points Android 11.0, 4GB RAM 32 GB RAM memory inbuilt PC: Core 15 8 <sup>th</sup> Generation, 8GB RAM 128GB SSD Window 11 <sup>th</sup> Generation, Wall mount Bracket. Make: Preferably MAXHUB/any other renowned brand matching to the specifications.	20			
<b>SUB TOTAL-I</b>					
<b>II</b>	<b>ANCILLARY WORKS</b>	<b>QTY</b>			
2	<b>Supply of 4K Video Conference Camera</b> with following minimum Specifications: 4K Ultra Wide-angle Web Cam,4K@ 25 fps 120* DfoV ½.8" SONY sensor /HDR ,2 element Mic Array /Noise reduction algorithm, Audio Pick up upto 4 Meters, Auto Focus capability, White Balance, Exposure Auto, WO Port-USB Type-C (Device) x 1 Makes: Preferably MAXHUB/any other renowned brand matching to the specifications.	20			
3	<b>Wireless Mic:</b> Supply of Wireless Lavalier Microphone- Wireless Lapel Mic supply of Wireless lapel Mic with cardioid polar pattern for transmitter, Receiver & Transmitter frequency response 100Hz- 18 kHz or better, Receiver RF sensitivity < 1.0 µv, Receiver Image rejection>55dB, Receiver Dynamic range>95dB and receiver having 32 channels possible, Receiver S/N ratio >100dBA, distortion <1% Transmitter sensitivity - 5.6 mV/Pa, modulation:+/ -40kHz.	20			
4	<b>Display Shutter:</b> Sliding shutter mechanism for above interactive boards -2fixed +2 sliding white boards. (12 feet width, 4' feet height. 1' depth). Make: Custom.	20			
5	<b>UPS</b> - Supply of 1KVA UPS with following Minimum specification. Online UPS with 1KVA Rating built in battery for 30 mins back up. Minimum three out socket required.	20			
6	Supply, installation, testing and commissioning.	20			
<b>SUB TOTAL-III</b>					
<b>SUMMARY</b>					
I	Equipment				
II	Ancillary Works				

Total Rupees in words.....

..... (Without GST)

Total Rupees in words.....

..... (with GST)

**NB-The total price quoted should be inclusive of all taxes including GST / Excise Duty, installation charges, freight etc.**

I, hereby agree to Terms and conditions mentioned in the RFP for supply and installation of above mentioned equipment/items to Air Force School, ASTE.

Place:

Signature of the

Date:

Tenderer with official Seal

**Note:**

1. Determination of L-1 will be done on total of basic prices only (not including levies, taxes and duties levied by Central / State / Local governments such as excise duty, GST, Service Tax, Octroi /entry tax, etc) on final product of all items / requirements as mentioned above.
2. The information is to be filled in carefully after studying the Tender Document and should tally with 'Technical' bid format.
3. The unit rate of each item indicated should be all inclusive and the total value of the offer all inclusive should come out very clearly and without any ambiguity. The tenderers are required to spell out the rates of Excise Duty, Sales Tax , GST and other taxes in unambiguous terms.
4. The Commercial Bid is to be forwarded in writing on the format, which will be considered as the rate quoted.
5. Any information filled wrongly would result in the rejection of this bid and hence utmost care be taken while filling this format.
6. In order to ascertain the quality of work at every stage a third party government approved agency will be appointed to carry out the inspection at every stage of work. The payment to the contractor will be made after satisfactory completion of work and test report submitted by the third party Govt agency. The expenditure for the testing will be deducted from the contractor's final payment.

**Appendix F to part V of RFP****CHECK LIST**

Bidder to fill in the check list given below and to be placed in common overall envelope along with separate sealed covers.

**(State YES / NO for each Item)**

1.	Whether technical bid in envelope a contains EMD of Rs _____  Application Fee of Rs _____	Yes/ No
2.	Certificate of Registration	Yes/No
3.	Audited financial statements showing the profit & loss statement, balance sheet and details about turn over for preceding two years attested by a chartered accountant.	Yes/ no
4.	Latest income tax assessment order or return and latest vat return	Yes /No
5.	Certificate from the competent authorities for supplying, installations & commissioning costing at least 80% of the estimated value under a single contract within the last two years period.	Yes/ No
6.	Details of current supplies / installations in progress by the tenderer including value of current outstanding payables, etc.	Yes/No
7.	Details of works for which bids already submitted with value	Yes/No
8.	Availability of vendor's major resources like facilities, equipment and human resources such as Service Engineers etc.,	Yes/ No
9.	Power of attorney / authorization for * Person signing the tender * for Partner- in – charge if any	Yes / No
10.	Provisional action plan for completion of total activities involved in commissioning the entire items in tender document.	Yes / No
11.	Whether the price bid in envelope – 2 contains filled up and signed price bid document in the prescribed format in full with price detail, both in figures and words.	Yes/ No
12.	The vendor should submit all the documents as asked in Para 6 to Part-II of RFP. The bids will become invalid without the inclusion of certificates.	Yes/ No
13.	All the documents as asked in Envelop 1 (Technical bid) Refer Para 8 of Part I of RFP. The bids will become invalid without the inclusion of certificates.	Yes/No
14.	Pre-bid meeting attendance clearance certificate	Yes/No

Place:  
Date:

Signature of the  
Tenderer with official Seal



**SUPPLY AND INSTALLATION  
OF UHD TOUCH  
INTERACTIVE DISPLAY**