



Department of Veterinary & AH Extension Education,  
Dr. G.C. Negi College of Veterinary and animal Sciences  
CSK, H P K V, PALAMPUR

No QSD.VAHEE/ COVAS/2022/-

593

Dated: 30/3/2022

Sealed quotations are invited for the purchase of **Interactive Display (Video Conferencing Solution), PTZ Camera, Speaker Microphone, Microphone and Wireless Presenter** to be **ADDRESSED IN THE Name of Comptroller and the envelope should be addressed in the Name of Head, Deptt. of Vety. & A.H. Ext. Edu., COVAS, CSKHPKV, Palampur** as per detailed specifications given below. The quotations should be strictly as per below mentioned specifications, terms and conditions, otherwise the quotations will not be considered:-

Sr. No.	Product Name	Brand	Quantity
1.	Intrective Display (Video Conferencing Solution)	Maxhub/ Benq/ Samsung	1 No.

**Desirable Features:**

Size (Diagonal): 75 inch. Brightness: 350 cd/m<sup>2</sup> or higher. Resolution: 4K (3840 x 2160). Contrast Ratio (Typical): 1200:1 or higher Response Time: 8ms or less, Display Colours 1.07 billion (10 bit), Viewing angle 178 degree (H/V), Low Parallax: Dry bonding with maximum 1mm Air Gap, Built-in Android 8.0 or higher, CPU: A73 x 2 + A53 x 2 or better. ROM: 32GB or higher. RAM: 4GB or higher, Dual-tasking in split view, AES 128 Bit encrypted screen sharing software for BYO, Compatible with wireless screen sharing dongle, Touch Technology : Infrared Recognition, Touch Point: Min. 20 touch points, Touch accuracy +/- 1.5mm or better, Surface Hardness: Toughened Glass with Level 7 of MOHS Standard Built-in Speakers Minimum 12W x 2 Speakers, Wireless screen sharing from phones, tablets, PCs or Macs to the IFP. Single Wifi Module for both Android and Windows, WiFi Version Supports - 802.11 a/b/g/n/ac, Panel should make its own Hotspot and support Airplay function, HDMI input 3 (HDMI2.0 - 4k@60Hz) or more, HDMI Output Port: 1 or more, VGA IN 1 or more, USB 2.0 Port: 3 or more, USB 3.0 Port: 3 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: 1 or more; Thickness of the Panel: The Panel should be slim design with thickness of 87mm or less, In-built Intel PC Module 8th Gen with 120 pin connector, Memory: 128GB SSD or above, RAM: 8GB or higher, Pre installed OS Windows 10 , Mandatory features: Intelligent hand writing recognition, Writing option with pens of different colours simultaneously, Dual Pen Dual Colour, Instant stickers for building reminders, Smart table features - building table by just sliding fingers; add row & column; automatically adapt height and width of each cell etc, Smart interaction with browser : Search with whiteboard writing in the browser, drag your preferred search results from the browser to whiteboard, Screen recording, 4 split view, Air class, lock screen, Eye care mode feature, Content building software for lesson preparation: Simple divide, Multiple divide, Key points match, Group Race, True/False, Mind Map, Flow Chart, Pie chart, Line Chart, Column Chart, Periodic Table, Poetry preparation, Built-in 3D Solar System covering 9 Planets, Able to run multitasking in android platform, Cloud Based Platform - No local server set up, Inbuilt wireless receiver and supports the wireless dongle for wireless presentation, Emergency Notification- Publish specific emergency image on panel and freeze the panel until power off, Interactive Classroom Intelligent AI based writing pen, Built-in Voting System for student, Remote Management Software "Ability to manage & maintain all deployed IFPs connected over LAN/WAN, including the functionality of 1. Turn on/off the panel, 2. Change input/ volume, 3. Broadcast message to the panel, 4. Remote monitoring of the panel desktop, Content Management Ability to create and edit video professionally, Cluster Update of Panel Firmware: Panel Firmware should be able to update from a centralized platform.

Sr. No.	Product Name	Brand	Quantity
2	PTZ Camera	Aver/A&T/Logitech	1 No.

**Desirable Features:**

Camera: Image Sensor: 1/2.5inch CMOS, Min Lux: 0.1 lux, Effective Pixel: 2.2 MP, Zoom: 12x Optical, Shutter Speed: 1 to 1/10000, Field of View: 72", Frame Rate: 1920x1080, 1280x720, 640x450, Focus Mode: Auto, Aperture Mode: Auto, Backlight Compensation, Wide Dynamic, Picture Adjustment: Brightness, Chrome, Saturation, Contrast, Autance Microphone: MIC Array Quantity: 4, MIC Array Form: linear, Far-held Pick up Voice Distance: Upto 20ft, Horizontal Voice Pick up Angle: Horizontal 180, SNR: 65.5db, Communication Mode: Full duplex, Interface: Video Interface: USB 2.0, HDMI, Video Compressed Format: MIPG/H.264, Control Interface: RS-232, USB2.0 & HDMI, Control Agreement: VISCA/PELCO-D/PELCO P, Communicate Baud Rate: 2400/4800/9600/11520/19200/38400, Power Interface: DC-038 power socket (DC12V), PTZ: Pan Rotation:-170-170, Tilt Rotation: -30°-50°, Horizontal Rotate Speed: 0.1-100/second, Vertical Rotate Speed: 0.1-80%/ second

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Sr. No.	Product Name	Brand	Quantity
3	Speaker Microphone	Aver/A&T/Logitech	1 No.
<b>Desirable Features:</b>			
Interface: USB 2.0, Bluetooth, Speaker: 2 inch anti magnetic 5W Speaker Speaker Volume: Instantaneous Maximum 90 dB, Speaker Frequency Response: 20Hz 20KHz (1dB), SNR: > 80dB, Bluetooth Type: V 5.0, Bluetooth Distance: 10 Metres, Mic: 1 omnidirectional Microphone, Mic Frequency Response: 100Hz~ 16KHz, Battery Capacity:2000 MAH, Time of Endurance: 10h, Voice Technical Parameters: Auto Echo Cancellation, Automatic Gain, Environment Requirement: Temperature: 0 to 44 C Humidity: 20 to 85% Support OS: Windows 10, 8, 7, Mac os 10, 12 & Above, Support External Microphone: Yes, Up to 2 Extension Microphones (Optional), Accessories: USB Cable, AUX Cable, Power Adapter, User Manual			
Sr. No.	Product Name	Brand	Quantity
4	Microphone	Aver/A&T/Logitech	2 No.
<b>Desirable Features:</b>			
Extension Microphones			
Sr. No.	Product Name	Brand	Quantity
5	Wireless Presenter	Maxhub/ PeopleLink/ CloudWalker	1 No.
<b>Desirable Features:</b>			
Interface: USB 2.0 1, Features: Maximum number of connections: 1 USB receiver can connect to 8 transmitters at the same time , Maximum connection distance: 12 m, Operating systems supported: Windows 7/8/8.1/10; Mac OS 10.10-10.13, Operating frequency: 2.4GHz, 5GHz, Transmission delay: The minimum delay in this laboratory environment is 65ms (the actual situation is affected by the operating environment), Frame Rate: Windows 7: 1920*1080@20fps/1366*768@20fps Windows 8/ Windows 8.1/OSX: 1920*1080@30fps/1366*768@30fps Windows 10: 1920*1080@30fps/1366*768@20fps			
NOTE: The rate quoted should be on the letter pad of firm duly stamped & signed by the authorized Signatory of firm.			


**Terms & Conditions:-**

- 1) The quotation should reach in O/O undersigned in sealed cover and super-scribed "Quotation for purchase of Interactive Display (Video Conferencing Solution), Interactive Display (Video Conferencing Solution), PTZ Camera, Speaker Microphone, Microphone and Wireless Presenter" on 18/04/2022 (05:00 PM) in the name of Comptroller, CSKHPKV, Palampur. The quotations will be opened on 19/04/2022 (11:30 AM) in the presence of quote or their authorized representative, if present. In case the date of opening is happened to be a holiday, the quotation will be opened on next day working day on same time. The Head of Procuring Unit will intimate the same to all the members of quotation opening committee well in time.
- 2) The Rates quoted should be FOR CSKHPKV, Palampur (i.e. Department of Vety. & A.H. Ext. Edu., COVAS, CSKHPKV).
- 3) **Concessional GST @ 5% will be applicable against GST exemption certificate issued by the University.**
- 4) The Printed Price List is required from the successful bidder to verify the MRP.
- 5) The quantity of materials can be increased or decreased.
- 6) The University reserves the right to accept or reject the quotations without assigning any reason.
- 7) Supply immediately after confirmed order.
- 8) The quotation received after due date will not be considered.
- 9) The condition of advance payment or through cash etc. will not be considered.
- 10) The quotation should be submitted only if the item can be supplied promptly on demand.
- 11) The price quoted should be strictly according to the specifications stated in the NIQ.
- 12) The payment will be made after satisfactorily Inspection Report of the Inspection Committee so constituted for the purpose by the University.
- 13) **If the total value of the purchase exceeds Rs.1.00 Lakh, the quotation should be accompanied with an earnest money i.e. @ 2% of the estimated value of goods in the shape of F.D.R/DD duly pledged in the name of the Comptroller, CSKHPKV, Palampur. The earnest money if any, already deposited/lying in the office of the undersigned will not be considered for current quotation. The quotation without EMD /MSME will not be considered.**
- 14) The supplier will adhere to the provision of Motor Vehicle Act for transportation of material.

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- 15) Performance security @ 5% of the whole amount of the total supply will be obtained from the successful bidder along with bill.
- 16) GST may be shown separately, copy of GST registration be enclosed with quotation and GST No. may be mentioned in the quotation
- 17) **The E-way bill is to be required along with actual bill.**
- 18) Authorized Dealer Certificate and warranty certificate duly attested by the firm must be attached with quotation.
- 19) The quotation should accompany the satisfactory user report/certificate from the institutions to whom the said equipment earlier supplied by the firm.
- 20) The conditional quotation will not be entertained.
- 21) The firm/ suppliers shall observe all the guidelines/SOPs for COVID-19 prescribed by the H.P. State Govt/Central Govt. from time to time.
- 22) All disputes shall be within the jurisdiction of Palampur Court.

M/S Incharge UNS  
CSKHPKV, Palampur

  
Professor ~~Sharma~~  
Deptt. of Vety. & AH Extn. Edu.  
COVAS, CSK HPKV, PALAMPUR (HP)

Copy to:

- The Incharge, UNS, CSKHPKV, Palampur for uploading the same in the University Website.