



UTTAR BANGA KRISHI VISWAVIDYALAYA

P.O. Pundibari Dist. Cooch Behar

PIN -736165, West Bengal, India

Phone: 03582-270949 (O), Fax: 03582-270143

Email: registrarubkv@gmail.com

From : Dr Subhendu Bandopadhyay
Registrar(Actg)

Tender Ref. No: 1921/UBKV/Est.(T & P-02) / 2016-17

Dated: 17.03.2017

INVITING QUOTATION

Sealed quotations are invited under Two Bid System viz, **Part-I Technical Bid and Part II Financial Bid** from reputed organizations for supply, erection, installation, commissioning, testing, demonstration and training of of HD Video Conferencing System **alternatively** Smart Class Room cum Video Conferencing Room at ATIC Building Meeting Hall in Uttar Banga Krishi Vishwavidyalaya.

➤ Tender Schedule:

- **Date of Publication** : 17.03.2017
- **Last date of submission** : 30.03.2017 upto 12.00 PM
- **Opening date of Technical bids** : 30.03.2017 upto 1.00PM
- **Tender fee** : Nil
- **EMD** : Nil

➤ Terms & Conditions:

1. Quotations to be submitted in the Tender Drop Box addressed to The Registrar, Uttar Banga Krishi Vishwavidyalaya , Pundibari, Cooch Behar, West Bengal 736165 with an valid email ID for further communication.
2. Rates should be quoted on F.O.R Destination Basis in order of serial numbers of equipments of items mentioned in the list provided.
3. Installation : Free of Cost at site
4. Warranty : Minimum of 2 Years
5. Delivery : **With in 15 days from date of issuing Purchase order**
6. The **Technical Bid** shall comprises of in the following manner:-
 - i. Covering Letter in favour of The Register mentioning the items quoted
 - ii. List of Enclosures (Annexure-B)
 - iii. Detailed specifications without price
 - iv. Technical Catalogs
 - v. Tender compliance statement (Annexure-C)
 - vi. Photocopy of **up to date** Valid Trade License
 - vii. Photocopy of PAN Card
 - viii. Photocopy of P-Tax
 - ix. Photocopy of Registration Certificate of VAT/ CST , along-with latest clearance certificate
 - x. **Tender Specific Manufacturer's authorization letter in favour of The Registrar**
 - xi. Photocopy of Dealership
 - xii. User list / Credentiaity

(All the above documents must be submitted with technical bid with duly filled Annexure B & C .
Kindly give supporting document/ declaration in your letter head in absence of any of the above document. Otherwise, your tender will be rejected)
7. **Warranty period for each item and after Sales service facilities with response time should be mentioned clearly in the Technical bid.**
8. The Financial Bid comprises of rate of items per unit including of all applicable taxes and incidental charges, extent of discount (As applicable).



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9. Hard copy of the Technical & Financial Bid must be submitted in two separate sealed envelopes with broad heading mentioning the name of the item & Tender Number on the top of the envelopes. The sealed envelope of Technical Bid & Financial Bid shall be submitted in a large sealed outer cover & further mentioning the name of the Item & Tender number on the top of the Envelope & to be addressed to :
The Registrar, Uttar Banga Krishi Viswavidyalaya , Pundibari, Cooch Behar, West Bengal 736165.
10. Any of the bidders can quote for different OEMs' Items in separate envelopes with valid dealership certificate.
11. **ELIGIBILITY CRITERIA-** The applicant should satisfy the authority with the following conditions to participate in the Tender-
 - Up to date P.T & S.T., VAT Return Certificate.
 - PAN Card.
 - Service Tax Registration (as per applicability)
 - Experience of completing [within last three years (excluding current financial year) at least 1 (one) no. of similar work of value not less than 50%(fifty) percent of the amount quoted by the Bidder.
12. The University reserves the right not to accept the rate even from the lowest bidder/supplier.
13. The University reserves the right to accept or reject any or all tenders without giving any reason whatsoever.

Dated: 17.03.2017

Sd/-
Registrar (Actg)



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ANNEXURE –A

SL No	Item Description	Specification	Preferred Brand/Model	Qty
1	Video Conferencing Multicalling Unit	<ul style="list-style-type: none"> ➤ Video Conferencing Multicalling codac /server based Solution for connecting upto 10 End points at Standard Definition Resolution or 5 End Points at HD 1080 P Resolution at the same time up gradable to Minimum 120 Sites connectivity at 1080p resolution in future without any Hardware Change. ➤ End point can be on multiple platform like H.323 Linux ,windows ,ios, mac, Android ➤ Facility to make different conferencing groups. ➤ Should support International standards H.323, H.261, H.263, H.264 and SIP compliant. ➤ Should support web RTC protocol 	Polycom/ Cisco/ Logitech/Panasonic	1
2	Video Conferencing Equipment	<ul style="list-style-type: none"> ➤ Full HD 1080p 30fps Video Conferencing Hardware Equipment with minimum 10 X Zoom PTZ (260°pan, 130° tilt) Camera with minimum 2 x HD Inputs to connect multiple cameras ➤ Camera for min 90 degree, far end camera control and min 5 presets ➤ H264 with scalable video coding(SVC) and UVC 1.5 ➤ 1 x VGA/DVI Input for presentation sharing. ➤ 2 x HDMI/DVI 1x HDMI/ DVI/ Composite Outputs H.323 up to 6 Mbps, ➤ Video Standards and Protocols H.261, H.263, H.264, 2 x 10/100/1G Ethernet Switch, ➤ One Touch video calling ,IR motion sensor ,plug and play camera setup ➤ Presentation sharing ➤ Autofocus ➤ Automatic gain control, Automatic noise suppression. Or cancellation ➤ Smooth motorized pan, tilt and zoom, controlled from remote or console <p>Supply complete with minimum upto 28 ft range Remote Control , Speakerphones (with Expansion Mics as optional), Microphones (TX) , Speakers (Rx)Hub & Cables and mounting Facility</p>	Polycom/ Cisco/ Logitech/Panasonic	1



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3	Full HD LED Display	49" / 52" / 55 " Full HD LED Display with HDMI, VGA, DVID Inputs to be connected along with VC for Displaying Far End / Near End or content of VC	Sony/Samsung/LG	1
4	Additional Camera for Classroom type setup of Same OEM as of VC Equipment (As optional)	Additional 10x Zoom PTZ Camera for VC Equipment	Polycom/ Cisco/ Logitech/Panasonic	
5	Audio System	Audio System with Four x 2 way upto 75w wall Mount Speakers with 5" Woofer & Powerful HF, along with one Four channel compatible Amplifier with higher rating	Sonodyne/ Yamaha/ JBL /Logitech	
6	Wireless Hand Microphone & Lapel		Shure/ Sennheiser/Logitech	1
7	LED 20.5 " / 18.5" inch Monitor		Dell/HP	1
8	UPS, Keyboard , VGA/ HDMI/ Speaker/ Mic/ Control Cables along with connectors Mouse		Any Good Make	As per requirement
9	Equipment Rack		Any Standard Make	1
10	Video Conferencing Software with License			Up to 2 users
11	Installation & commissioning of all Equipments including Programming wherever required			As per requirement

CONTD.....

(Please refer next page for alternative offer of Smart Class Room cum Video Conferencing Room)

(The decision of the technical and financial committee will be considered final regarding procurement each or any/all of them/none of them as per requirement.

Vendors should quote separately the price of each size as per specification given by each type.)



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ALTERNATIVELY

SL N	Item Description	Specification	Preferred Brand/ Model	Quantity
1	Interactive White Board	<ul style="list-style-type: none">➤ Allows presenter to directly write on the Interactive surface and the contents are recorded back on computer.➤ Presenter can engage with the board naturally.➤ Physical size: 82 Inch.(6X4)➤ Active Area:- 79 Inch➤ Physical Ratio:-4:3➤ Technology: infrared Touch➤ Touch Resolution :-32768X32769➤ System Calibration: Automatic Calibration is a must (Manual could be as option)➤ Shortcut at both end➤ Tracking speed: 60-70 FPS. Extrapolated up to 200 FPS➤ Interactivity: Using Stylus/pen/finger➤ Battery FREE Super-capacitive technology➤ Power requirement: No external power. Should take power from USB.➤ Compatibility platform: Windows / Linux➤ Power consumption: Less than 1 watt.➤ Accessories: CD, 3 Pen, 1 Adjustable Pen.➤ Software::Plug & Play	Enson	1
2	Short Throw Projector	<ul style="list-style-type: none">➤ To project the Screen.➤ Short Throw recommended for lesser shadow, important in interactive scenario.➤ XGA- 1024 X 768, 3000 ANSI Lumens➤ 18000:1 Contrast Ratio,➤ Throw Ratio - 0.617 :1,➤ VGA In x 2,➤ Audio Input x 1, Audio Output x 1, VGA Out x 1, RS-232 x 1, USB (mouse control) x 1)➤ Warranty: 1 year or 1000 hrs on lamp	Epson/Canon/Sony	1



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3	Conferencing Camera	<ul style="list-style-type: none">Full HD CameraIncluded Speaker & Microphone12X Optical ZoomPan step 0.45, tilt stem 0.25 (Precisely Controlled by remote Control)F/1.8 to f/2.8 (fast lens ,perfect Picture even the low light)Full HD 1080 P130° Pan + 90° -25°tilt82°Field of View FieldRemote control WarrantySpeakerphone10 camera presetsFull duplex microphone array up to 2 daisy- chain speakerphone3.5mm Line-in (aux) cable connects to BYOD smart phones or PC as speakerphoneSpeaker phone RS232 cableTouch controls for volume down, up, mute, phone input10W speaker, max output 95dBSPLMicrophone,3directional microphones supporting 360° pick up in 9m diameter rangeEcho CancellationNoise Suppression	Polycom/ Cisco/ Logitech/Panasonic/ Aver	1
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4	Video Conferencing cum Smart Classroom Software	<ul style="list-style-type: none"> ➤ 25 interactive video participants (add-ons for larger meetings available) ➤ Participants join from mobile, tablet, desktop, H.323/SIP room systems, telephone, and Zoom Rooms ➤ Audio options for attendees (VoIP, Call-In, Call-Out, and Global Toll-Free available) ➤ Share any content, including video clips with audio ➤ Video Breakout Rooms for small group work ➤ Record your meetings – local or cloud, MP4 and M4A ➤ Personal meeting URL ➤ Works with Skype for Business and Slack ➤ Mobile apps that allow you to schedule, start, or join a meeting – even present content from your phone or tablet ➤ Completely secure with end-to-end encryption ➤ Mobile and desktop meeting client with presence and instant messaging (IM) ➤ Push-to-talk voice messaging ➤ File sharing ➤ Switch to video and audio conference with one touch ➤ Collaborate with anyone, anywhere ➤ Easy to use and manage ➤ Amazing quality and reliability ➤ Reduce travel and operational costs ➤ Boost sales with better customer and prospect interactions <p>Save with lowest industry prices, including more users and built-in audio conferencing.</p>		1
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5	Digital Class Room Software	<ul style="list-style-type: none"> ➤ Fully loaded Software acting as a teaching aid. Helps teacher select multiple pen; easily create various geometrical objects, highlight and scores of such functionalities. ➤ Almost Infinite long board for those long questions in math, science, accounts etc. ➤ Screen Recording and Replay for review. ➤ Many more such functions to reduce teacher's efforts and improve quality. ➤ To the teacher point to the right components in the right manner and easily use the interactive board. ➤ Should support Gesture Recognition like zoom, pan, tilt, flicks etc. (on Win platform) ➤ Should have the following interactive tools/features like Pen, Magic Pen, Eraser, spot light, curtain, shape recognition, shape editing, infinite color options for annotation, ➤ lines & arrows, screen capture tools (freehand capture is must), import / export files, unlimited pages, page navigation, save page(s), Undo/Redo, Geometric Tools like Math, protractor, ➤ Annotation Capability & integration with MS office application (for Win platform only): <ul style="list-style-type: none"> ○ MS Word: handwriting recognition & draw object ○ MS Excel: Should draw graph w/o touching KB & Mouse ○ MS Power point: Should Create, Edit, Save, delete & annotate slides ➤ Should support & operational with MS Touch Pack (Free Multi Touch application on Win platform) ➤ Auto replaying page without prior recording 		
6	PA SYSTEM	Amplifier,mixture,Speaker set 50 Watt ,with receiver.	Ahuja/studio master/Enson Mpro	1
7	Projector Mounting Kit with Extended Power & VGA Cables	<ul style="list-style-type: none"> ➤ Professional Grade cables for consistent performance. ➤ Adjustable Bracket Extendable up to 4 ft. 	As per requirement	



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8	AMC & Other service support	AMC (Onsite & Remote) for 3 years after completion of warranty period	--	
9	Desktop Computer	I3, 4GB DDR 3 RAM, 1TB HDD, DVD Writer , 18.5" / 20.5" LED Monitor , Inbuilt Speakers, Key Board, Mouse etc	HP/DELL	1

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Annexure B

List of Enclosures (To be submitted with Technical Bid)

NAME OF VENDOR :

TENDER No. :

Covering Letter	Detailed Specification without Price	Technical Catalog	Copy of PAN Card	Copy of P-Tax	Copy of Trade License (16-17)	Copy of VAT / CST	Manufacturer's Authorization	Dealership Certificate	Annexure -C	User List / Creadentiality

Dated :

Signature of Authorized Rep.

Seal of Firm



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