BIDHAN CHANDRA KRISHI VISWAVIDYALAYA
FACULTY OF AGRICULTURE
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From:
Prof.Srikanta Das
Dean

No. FAG/ RD/507
Date: 28.01.2020

Notice Inviting E-Tender for components/equipments for Smart Classroom

Dean, Faculty of Agriculture, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur-741252, Dist. Nadia, West Bengal is inviting e-Tender from various equipments needed for establishment of Smart Classroom from competent and *bona fide* manufacturers/ Authorised Distributors/ Dealers/ Resellers/ Agents (Authorisation is not necessary for item No. 4,5 and 6) having registration of GST for supplying of following items to Viswavidyalaya as per specifications appended against each item. Details can be seen at www.wbtenders.gov.in

(i) <u>Preparation of Bids</u>: The Tender should be submitted under Two-Bid System (i.e., Technical Bid & Financial Bid).

(ii) <u>Submission of E-Tender</u>: The Tender is to be submitted **online only** within **21 February, 2020 upto 6.00 P.M.**
No hard copies will be entertained at the office of the undersigned

(iii) <u>Opening of the Tender</u>: The Technical Bid will be opened by the Central Tender Committee, BCKV duly constituted for this purpose. After scrutinizing the Technical Bid, the financial offer/ Bid of Technically qualified vendors will be opened.

(iv) <u>The quoted prices (in INR only)</u> should be per unit basis (including all taxes and duties, installation charges, if any, etc.). Quoted rates must be F.O.R. destination.

(v) <u>Warranty</u> terms and conditions should be mentioned item-wise as per Annexure

(vi) <u>Payment</u> will be made after successful installation and demonstration. No advance payment will be allowed.

(vii) <u>EMD</u>: Vendors are required to pay requisite amount (in INR) in Bank Draft as EMD (As per Annexure-I), considering the number of items for which they bid, favouring "Bidhan Chandra Krishi Viswavidyalaya" payable at Kalyani (IFSC: SBIN0001082). Scanned copy of the requisite Demand Draft must be uploaded as the supporting documents of e-Tender. Original Bank Draft will be received only at the time of giving supply order. Without EMD, quotations will not be considered for Technical and Financial comparison. However, bidders are requested not to send the original Bank Draft during Tendering process. Organisations with MSME certificate are exempted from EMD.

(viii) <u>Supporting Documents</u>:
- (a) Bid papers should accompany Trade License, MSME certificate (if required), GST Registration, etc.(Scanned copy of self-attested original)
- (b) Scanned copy of self-attested original supporting document in favour of the specifications (in Organization's letterhead separately)
- (c) Supply order copy from reputed organization with respect of items quoted

(ix) Compliance with specifications

The Tender document should strictly comply with the specifications given against each item. Bidder must mention the **Make and Model of each item** quoted for verification of specification. **Tender document without mentioning the Make and Model will be rejected**.

(x) Authorization Letter (from each OEM) as mentioned above must be uploaded along with Tender Document without which it will be rejected.

(xi) Since the items will purely be used for academic purpose, DSIR Certificates will be issued by the Viswavidyalaya, where necessary, to attract lower GST rates. Vendors should apply GST rates accordingly while developing the Financial Bid.

(xii) <u>Financial Bid</u>: Financial Bid of the vendors will be compared only after the technical specifications, as appended against each item, is fulfilled.

(xiii) Items only from reputed National/International company will be considered. No assembled product will be entertained.

Description of Item*	No.of Units
1. Ultra Short Throw Interactive Projector	4
2. Wireless Conference Audio System each consisting of	4 Systems
a) Chairman Unit (1 No.)	
b) Delegate Unit(4 Nos.)	
c) Control Unit(1 No.)	
d) Gooseneck Microphone(5 Nos.)	
e) Amplifier Unit(1 No.)	
f) Wall Mount Speaker(4 Nos.)	
3. Desktop Document Camera	4
4. Desktop Workstation	4
5. Desktop Monitor	4
6. All-in-one Colour Laser Printer	4
7. Interactive Classroom Computerised Device (With Stylus and Finger Touch Facility)	4
8. High Capacity UPS	4
9. UPS/Inverter Battery	12

*Specifications against each item is given in Annexure-II

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Annexure-I

Tender No. FAG/RD/507

List of items – Name of Equipment – EMD(₹)

Item List	Name of Equipment	EMD(₹)
(1)	(2)	(3)
Item No.1: Ultra Short Throw Interactive Projector	Supply, installation and Demonstration of Ultra Short Throw Interactive Projector	17000
Item No.2: Wireless Conference Audio System	Supply, installation and Demonstration of Wireless Conference Audio System	14000
Item No.3: Desktop Document Camera	Supply, installation and Demonstration of Desktop Document Camera	3000
Item No.4: Desktop Workstation	Supply, installation and Demonstration of Desktop Workstation	7000
Item No.5: Desktop Monitor	Supply, installation and Demonstration of Desktop Monitor	1000
Item No.6: All-in-one Colour Laser Printer	Supply, installation and Demonstration of All-in-one Colour Laser Printer	2000
Item No.7: Interactive Classroom Computerised Device (With Stylus and Finger Touch Facility)	Supply, installation and Demonstration of Interactive Classroom Computerised Device (With Stylus and Finger Touch Facility)	4500
Item No.8: High capacity UPS	Supply, installation and Demonstration of High capacity UPS	2000
Item No.9: UPS/Inverter Battery	Supply, installation and Demonstration of UPS/Inverter Battery	3500

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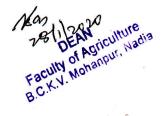
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Specification of different items as mentioned in the Tender Notice
No. FAG/RD/507 dated 28.01.2020 of Dean, Faculty of Agriculture
Bidhan Chandra Krishi Viswavidyalaya

1. Ultra Short Throw Interactive Projector: 4 Nos.
Brightness: 4000 Lumen
Native Resolution: WUXGA; 3LCD Technology
Screen Size/Projected Distance: 70" - 100" [40 - 60 cm]; Slide to Split Screen facility
Throw Ratio: 0.27-0.37 (Wide to Tele)
Light Type: Laser
Contrast Ratio: 25,00,000:1
Maintenance Free Use (without changing Light Source) : 20000 Hour (Normal Use Condition)
Auto/Manual Screen Calibration
Interactivity: Pen and Finger Touch(Multipoint)
Connection to Computer: USB/ Network
Wireless Multi-PC Projection facility (software based)
PC free operations: Scan, Save, Email, Print of Whiteboard Annotations
Interactive Whiteboard Sharing Facility; Multi-Location Interactivity
Multiple Page Digital Whiteboarding without connection to PC
Quick Start-up Facility
Finger-touch (up to 6 fingers) and pen (two) interactivity
Connectivity: Digital Input: HDMI (2)
: Audio In-Out
: Digital and Analog Output
: USB (A and B Type)
: RS 232C
: Wired (RJ 45; 100 Mbps) and Wireless LAN (Miracast Enabled)
: App based wireless connectivity with iOS and Android Devices
Sound Output (Internal Speaker): 10-16 W
Remote Desktop Connectivity (Preferably Microsoft)
Accessory: Wireless LAN Adapter, Compatible Wall Mount, Interactive Pen(At least 2 Nos)
100" compatible good quality White Board for Projection
2. Wireless Conference Audio System: 4 Nos. of Systems
Each System consist of
(a) *Chairman Unit (1 No)*
Free Mode / request Selection
Priority Function to override delegates
LCD Display for working status/battery power
Microphone indicator LED
Battery powered
(b) *Delegate Unit (4 Nos.)*
LCD Display of Delegate Unit Number and battery charge
Microphone indicator
Battery powered
LCD Display for battery power
(c) *Control Unit(1 No.)*
Operating range: up to 40 Metre (Indoor)
Balanced and unbalanced audio output for convenient connection with amplifier
(d) Compatible **Gooseneck Microphone** for Chairman/Delegate Unit (***5 Nos.***)
(e) Compatible **Amplifier** (***1 Nos.***)
(f) Compatible **Wall Mount Speakers** (***4 Nos.***)

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3. Desktop Document Camera: 4 Nos.

Portable and Compact in nature
Built-in LED Light
Output Resolution: Up to Full HD (1080p)
WXGA (1360 x 768)
Frame/Sec: 30
Zoom facility: Digital (10X) and Optical (12X)
F-Number: 3-5; with Focus Lock Facility
Built-in Microphone Facility
AV recording Facility
Versatile Connectivity (HDMI/VGA/USB)
Facility to display 3D objects and content from smart devices
Split screen capability
Microscope Adapter
Built-in SD Card Slot
Interactive Projector Integration
Still Image and Video Capture Facility
Lesson recording and sharing facility

4. Desktop Workstation: 4 Nos.

Processor: Intel Xeon E3
RAM: 8 GB DDR4
HDD: 1 TB 7200 rpm SATA
Optical Drive: DVD Writer
Graphics: Intel HD Graphics
Mouse and Keyboard: Business Class
OS: Windows 10 Pro 64
Warranty: Minimum 3 Years onsite

5. Desktop Monitor: 4 Nos

54.6 cm (21.5") IPS, Micro-Edge
Aspect ratio 16:9
FHD (1920 x 1080)
Pivot Rotation: Clockwise and Counter Clockwise
Anti-Glare and Flicker free
Tilt/Swivel adjustability; IPS panel; LED backlighting
Port: VGA, HDMI(with HDCP support)
Brightness: 250 cd/m^2

6. All-in-one Colour Laser Printer: 4 Nos.

Print, Scan and Copy Functions
Connectivity: Hi-speed USB 2.0 port, Fast Ethernet 10/100
Mobile printing capability
Built-in Wi-Fi
Wi-Fi/ Direct Printing
LCD Control Panel
Scan file format: PDF, JPG, TIFF
Copy: reduce / enlarge capacity: 25 to 400%
Duplex printing Facility
Scan Resolution, Hardware : Up to 4,800 x 4,800 dpi
Memory: More than 100 MB
Print quality color: Up to 600 x 600 dpi
1500 pages inbox

7. Interactive Classroom Computerised Device (With Stylus and Finger Touch Facility): 4 Nos.

Integrated system with Hardware and software
Plug and Play Interactivity
AI Powered Operating System (in built) along with Processor
Windows OS Compliant
Input: Touch and Stylus (Multi Touch Point)
Max. Projection Size: 100" (For 16:9 Aspect Ratio)
Tracking Speed > 100 FPS
Software should contain learning tools
PC Free interactivity
Content sharing from other Devices
Auto / Manual calibration of Whiteboard
Facility for saving of whiteboard annotations
Facility for complete recording of the session
Should support multiple OS platform on host PC
I/O Ports: HDMI, USB 2.0, OTG micro USB, IR receiver, Micro SD Card

8. High Capacity UPS: 4 Nos.

Rated Capacity: 3.2 KVA
Output Power: >2500 Watt
3 Battery System (36 VDC)
Static UPS with LCD Display
Pure Sinewave Output
Advanced Battery Management for Longer Battery Life & Quick Charging

9. UPS/Inverter Battery: 12 Nos.

Nominal Voltage: 12V
Rated Capacity: 150AH
Battery Type: Tall Tubular Battery
48 months Warranty

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