

BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

FACULTY OF AGRICULTURE

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From: Prof.Srikanta Das
Dean

No. FAG/ RD/874
Date: 16.3.2020

Notice Inviting E-Tender for supply, testing and commissioning Touch Interactive Flat Panel Display

Dean, Faculty of Agriculture, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur-741252, Dist. Nadia, West Bengal is inviting e-Tender for **4(four) Nos. of Touch Interactive Flat Panel Display** for Classroom from competent and *bona fide* manufacturers/ **Distributors/ Dealers/ Resellers/ having registration of GST and Tender-specific OEM (Original Equipment Manufacturer) authorization only** for supply and installation of above item at the Viswavidyalaya as per specifications in **Annexure**. Details can be seen at www.wbtenders.gov.in and www.bckv.edu.in

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

(ii) Submission of E-Tender: The Tender document is to be submitted **online only** within **24 March, 2020 upto 3.00 P.M.** All the documents uploaded must be authenticated by the vendor. No hard copies will be entertained at the office of the undersigned.

(iii) Opening of the Tender: 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) The quoted prices (in INR only) should be per unit basis (including all taxes and duties, installation charges, if any, etc.). Quoted rates must be F.O.R. destination.

(v) Warranty should be available on-site basis from OEM only and for that the terms and conditions should be mentioned

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

(vii) EMD: Vendors are required to pay **INR 15000** in Bank Draft as EMD, 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. Organizations with MSME certificate are exempted from EMD.

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Mohanpur, Nadia, West Bengal

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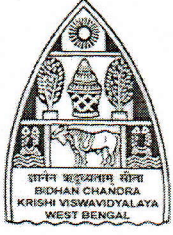
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(viii) Supporting Documents:

- Bid papers should accompany Trade License, MSME certificate (if required), GST Registration, etc. (Scanned copy of self-attested original)
- Scanned copy of self-attested original supporting document in favour of the specifications (in Organization's letterhead separately)
- 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 the item. Bidder must mention the **Make and Model of the item** quoted for verification of specification. **Tender document without mentioning the Make and Model will be technically rejected.**

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

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

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

(xii) Selected bidder will have to supply the article within 31 March 2020.

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(Dean) *16/3/2020*
Faculty of Agriculture Dean
Faculty of Agriculture
Bidhan Chandra Krishi Viswavidyalaya
Mohanpur, Nadia, West Bengal

Enclosed: Annexure for Specification

ANNEXURE

(Specification for Touch interactive Flat Panel Display as mentioned in the letter No. FAG/ RD/874 dated 16.3.2020)

Feature	Specification
Display	
LED lit technology	Backlight LED
Active Screen size	75" or higher
Display Ratio	16:9
Resolution	3840 x 2160p
Display Color	8 Bit or better
Brightness	370 cd/m ² or better
Contrast	4000:1 or better
Viewing Angle	178° or better viewing angle
Response Time	Not more than 8 ms
Refresh Rate	60Hz
Lifetime	30,000 hours or more
Speakers	
Speakers	Should be SEAMLESSLY build-in the display
Max.Power Output	2x15 Watts or above
Speaker Position	Seamlessly mounted in lower side of the display. Front facing, Forward through
Rated Impedance	8Ω (±15%)
Freq.Response	90Hz(±20%) -18kHz
Output S.P.L.	84 ± 3dB
Touch	
Touch Technology Deployment	Touch feature should be seamlessly build-in the display and NO overlay is allowed
Touch Sensor	IR - IST Q+Type
Surface material of touch surface	Anti-Glare Glass
Surface technology	Anti-Glare
Transparency	>88% or better
Surface Hardness	H7 or More than H7
Glass thickness	4 mm
HID Support	Must have a provision to connect with any external sources
Touch Points in Windows	Must have a touch capability of MINIMUM 20 points
Writing Tool	Shall use with Nano Pen / Finger
Scan Speed	133Hz or better
Positioning Accuracy	4mm or better
Communication Interface	inbuilt - USB-A type
Multimedia File Formats Supported	
Multimedia File Formats Supported	Support all major types of multi-media files
OPS PC	
Specification	Intel Core i5-4250U Dual Core 1.3 GHz / 500GB HDD / 4GB RAM / Original Windows 10 Pro
Installation	
Style of Installation	Horizontal installation
Mounting Capabilities	Display must have facility to mount on floor stand or wall brackets
Suitable wall mount kit with accessories	Equipment has to be supplied with suitable wall mount kit and accessories

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ANNEXURE (Contd.)

Feature	Specification
Ports	
Requirement of Front access ports with flip	For the purpose of ease access the display must have the following ports in the front side and must have flip cover to close when not in use
Minimum required Input ports at Front side of the display	1 x HDMI(1.4 , 4K@30Hz):- To connect with any resources 1 x Exclusive USB1 for Touch :- To connect with any resources and operate 2 x Exclusive USB for Media Play function:- To directly view the contents from USB 1 x Microphone(3.5mm):-To connect any external microphone
Minimum Requirement of AV Inputs at rear side	HDMIx2 (2.0,4K@60Hz) + USB for Touch Port 2 while using HDMI port HDMIx3 (2.0,4K@60Hz)+ USB for Touch Port 2 while using HDMI port VGA + Audio x1 (1920x1080@60Hz) + USB for Touch Port 2 while using VGA port AV in YBPPr x1
Minimum requirement of AV Outputs at rear side	3.5mm Earphone out x 1 AV Out x1
Minimum Requirements for other ports at rear side	USB 2.0 x1 : - To directly view the contents from USB RS232 x1 :- Device Controlled by any third party controller RJ45 x1 :- Input port of Local area network OPS Slot (4K@60Hz):- To connect OPS PC for windows function
Remote Control	
Remote Control Unit	Infrared type, battery operated

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