

ARMY PUBLIC SCHOOL FAIZABAD
TENDER FORM FOR PROCUREMENT ITEMS FOR MODERNISATION OF CLASS ROOM

1. The School is interested for procurement of items for modernisation of class room as per following details:-

Ser No	Modernisation of class room	Qty	Rate
(a)	Interactive Flat Touch Panel 75" and 86"	01	
(b)	Digital Podium	01	
(c)	Online UPS 3 KVA with 06 batteries	01	

2. Technical Specification of procurement of items for modernisation of class room is attached as Appendix A.

3. Technical Bid and terms and conditions are attached as Appendix B.

4. Commercial Bid is attached as Appendix C.

5. You are requested to submit your quotation in a sealed envelope and drop in the Box placed at the school office by **1300 hrs** on **05 Nov 2021**. The technical specifications for above items are attached as Appendix.

6. The school reserves its right to alter the quantities/items or reject any quotation without assigning any reasons whatsoever.

7. Items are to be supplied against a supply order. Payment will be released by cheque once the items have been received and checked for correctness by a Board of officers.

Yours faithfully

Sd/- xxx
(Signature of Principal)

Appendix 'A'

(Refers to Para 2 of Tender Form)

TECHNICAL SPECIFICATIONS PROCUREMENT FOR MORENISATION OF CLASS ROOM

Ser No	Make/ Model	Feature	Specification
1.	Interactive Flat Touch Panel	Technology	75" / 86" LED back light with IPS
		Aspect Ratio	16:9
		Resolution	3840 x 2160 (4K-UHD resolution)
		Colors	1.07B (10 bit)
		Contrast Ratio	15000:1 or higher
		Brightness	450 cd/m2 or higher
		Response time	4 ms or better
		Viewing Angles	178°:178° (Horizontal/ Vertical)
		Backlight Life	50,000 Hours or more
		Touch Technology	Infrared Touch
		Touch Point	10 points or higher
		Pressure Sensitivity	8192 or higher
		Input/ Output Interface or more	3 x HDMI Input (3840x2160); 1 x HDMI Output (3840x2160); 1 x RGB/ VGA Input; 1 x Display Port Input (3840x2160); 1 x Audio in; 1 x Audio Out; 1 x CVBS (AV) Input (480i)–Not Required; 1 x RS232 Serial interface; 2 x PC Slot; 1 x SPDIF; 1 x RJ45 LAN Port; 3 x USB 2.0 Type A; 3 x USB3.0 Type A; 2 x USB 2.0 Type B (for touch);
		Connectivity	WIFI, RJ45 wired and DC Port for OPS
		Speakers	2*15 W or better
Installation Type	Wall Mounting		
Touching Pen	10 Touching Pen		
Inbuilt Android OS	Android 8.0; 3 GB RAM; 48 GB ROM with built-in Android base animation tools.		
	Interactive Software, Live over LAN Software from same OEM/Bidder for content sharing over LAN	<ul style="list-style-type: none"> • Multicolour, multi-size-Pen, Brush, Highlighter, Texture, Eraser Shapes, Text, Auto Handwriting and shapes recognizing. • Compatible to crop image/picture from any browser • General education tools required for teaching with Geometry tools, calculators, soft keyboard, etc. • Screen lock, screen recording, save, share through mail, printer, network, etc. • Video playing features directly from YouTube etc., PDF and PPT viewer, multi-media player. 	

			<ul style="list-style-type: none"> The above list of features is indicative only i.e., not limited. Any latest feature important for teaching-learning may be proposed.
		Certifications	BIS, CB, UL, FCC, LVD, EMC, RoHS & Test Report from Govt. of India – NABL Certificates
2.	Digital Podium	Features	Mild Steel Material Stand-alone Digital Podium. Wheels with lock. Smooth rounded the top, Tray for Keyboard, sliding tray with lock for protection of the interactive Panel and Controller, Space for 19" or 21.5" Interactive panel with angle adjustment, Drawer with lock for visualizer, Shelf for keeping laptop or Documents, Lock for safety, Standard Rack to keep all the equipment and PC.
		Extended Ports	1 VGA Out, 1 HDMI Out, 1 Video Out, 1 Audio Out, Power Input, USB, LAN 1, LAN 2
		CPU with keyboard and mouse	Intel i3, 8 th Gen, 4GB RAM, HDD 500 GB, Operating System-Windows 10 MS Office. Antivirus & Interactive Teaching software to integrate touch monitor and visualize in the podium for training & demonstration.
		Central Control System	Should be able to control from the controller with easy identified keys-Projector On Off, Motorized Screen up & down, Switching between PC, Visual Presenter and laptop, Volume Control, Front Panel should have-Power Plug of 220 volt power out for laptop etc.; VGA port X 01, laptop audio input X 01, Network Port wired internet x 01, USB X 01 ports to facilitate inputs directly from pen drives/ USB based hard disk drive. 1 x USB for SW Update. Ports for microphone Input, 1 video port, 2 Audio port (left and right), Back panel of the controller should have-projector IR controller, 1 RS232 Projector control, should have 3 x 1 VGA matrix, 2 USB ports for front connectivity, Network Port for front connectivity, should have 3 videos in and 1 video out, 3 Audio (left) in, 3 Audio (right) in, 1 Audio (left) Out, 1 Audio (right) out, Projector Power x 1, Electric Screen power x 1.
		Built-in Audio	Microphone: Gooseneck Cordless Collar x 1 Hand held Cordless x 1 Head word mic x 1 Mixer Amplifier: 50watt Speaker: 4 wall Mount Speaker of 10/ 15watt
		Interactive Panel	Panel Type: Back light LED Display Size: 22" Resolution: 200 lines per inch Brightness: 250 nits/m2 or higher Contrast: 1000:1 Connectivity: VGA/ HDMI/ USB2.0 Technology: Electromagnetic with stylus pen Interface: USB Pressure Sensivity: 1024 Levels Data Report: 200 reports/per second Accuracy: +-0.5mm OS: Windows /Mac /Linux Software Feature: Should be able to Annotate on Blank screen, Power Point and on other application of windows, motorized control of monitor.
		Visualizer	Pick- up Device: 3.2 Mega Pixel 1/3" CMOS, Still Image resolution: XGA, SXGA, 720P, 1080P Frame Rate: 30 frames/ sec. Image Mode: Normal/ Photo/ Text/ Slide/ Film/ Gray Zooming: 12x Optical

			Zoom and 12 x Digital Lamp: Two side lights and one Base Light built-in Image Capture: Yes image storage built in the Visualizer Tv lines : 800 Tv lines Image Effect: Mirror, Rotation, Split, Black & White, Negative Image freeze/ Split: Yes Focusing and White Balance: Auto/ Manual Video recording with sound: Yes Inputs: VGA x2 HDMIx1, USB Type A1, Audio x 1 Outputs: VGA x2 HDMI x 1, Audio x 1 USB Type B, On board memory 18 pcs @2m, 10 Pcs @5m Others: Slave USB x 1 Weight: Not more than 3.5kg.
		CPU	Core i5; 09th Gen; 8 GB RAM; 1TB SSH with windows 10 License key & wireless keyboard and mouse;
3.	Online UPS 3 KVA with 06 batteries		Rated Capacity: 3 KVA / 2700 Watts
			Phase: Single Phase In, Single Phase Out
			DC Voltage: 72V (26AH/12V * 6 Nos Battery inside)
			Rack For Battery : Yes

1. Complete installation on site as per school plan.
2. On site visit during school hours all working days from 1100 hrs to 1300 hrs.
3. Price for each items will be quoted separately for a minimum of two Brands.
4. Prices quoted must be inclusive of all taxes, duties and levies.

Appendix 'B'

(Refers to Para 3 of Tender Form)

TECHNICAL BID

TENDER DOCUMENTS AND TERMS OF CONDITIONS FOR TECHNICAL BID

The following documents and specification will also be submitted with Technical Bid:-

Ser No	Documents/ Features of Items	Document Produced by Vender Yes/No	Remarks
1.	No of years of experience		
2.	IT Return		
3.	List of establishments/organization where your firm is executing supply along with a zerox copy of work order/certificate of satisfactory performance		
4.	Profile of company		
5.	GST/IGST No		
6.	Feature and Specification Brochure for each items and Brand are enclosed		
7.	Terms and conditions accepted or not		

Appendix 'C'

(Refers to Para 4 of Tender Form)

COMMERCIAL BID

**COMMERCIAL BID FOR PROCUREMENT AND INSTALLATION
FOR MORENISATION OF CLASS ROOM**

Ser No	Make/ Model	Specification	Unit Price incl all taxes & duties	Total Price incl all taxes & duties
1.	Brand (Write Brand name and model of equipment offered)			
2.	-do-			
3.	-do-			
4.	-do-			
5.	-do-			
6.	-do-			
7.	-do-			

1. Complete installation on site as per school plan.
2. Price for each items quoted separately.
3. Prices quoted inclusive of all taxes, duties and levies.