

ERNET India
GEM/2023/B/3301557 Dated 24.03.2023
Corrigendum for Tender for “Supply of Intelligent Educational ICT Infrastructure at Eklavya
Model Residential Schools (EMRSs)”

The following clauses of the tender have been amended as given below:

1. Clause No. 27 (i)- Digital Interactive Board (DIB) under Section-IV: Scope of Work:

S. No.	Required Specifications		
1.	Panel	Screen Size	Minimum 65 inches
		Panel Technology	Latest technology in LED / LCD
		Display type:	4K UHD
		Contrast Ratio	1200:1 or above
		Native Resolution	Minimum Ultra HD 3840 x 2160 (4K)
		Brightness	Minimum 350 cd/m ²
		Viewing Angle (H x V)	178 x 178 or higher
		Response Time	8 ms or less
		Surface Treatment	Hard surface, Anti scratch & Anti-glare treatment of the front polarizer or same
		Lifetime (Typ.)	Min. 30,000 Hrs
		Duty Cycle	Minimum 16 x 7
		Orientation	Landscape
		Aspect Ratio	16:09
2.	Connectivity	Input	Minimum requirement: HDMI Nos.2, 3 USB (2.0/3.0 or higher) or 2 USB 2.0 & 1 USB 3.0 or higher
		Output	Audio Out, HDMI Out
3.	Special features	File Play with USB, Internal Memory (RAM) 4GB, Internal Memory - Storage 32GB	
		Built-in RJ45 LAN, Wi-Fi Built-in (802.11n/b/g/ac combo, dual band), Bluetooth, Built-in Speaker (15W+15W), Whiteboard interactive usage facility	
		Casting support software, Inbuilt OS	
4.	Environmental conditions	Operation Temperature	0°C to 40°C
		Operation Humidity	10% to 80%
5.	Power	Built-in Power Supply	100 to 240V AC, 50/60Hz
		Power Consumption	200W
		Stand by Mode	<=0.5 W
6.	Standard (Certification)	Safety	BIS/ISI mark, As per Indian standard
		EMC	As per Indian standard

7.	Application	Browser, PDF Viewer, Media player with standard codec, factory resetting.	
		Facility to connect with Android device through Cast or any other similar technology.	
8.	Basic accessories	Wireless Keyboard with Battery, Wireless Mouse with Battery, Remote Control including compatible battery, Power Cord, Compatible USB cable, HDMI Cable, Writing Stylus Pen minimum Nos.2, Pen Tray or Magnetic Mounting on DIB panel, User Manual, Quick Start Guide (QSG)	
9.	Touch	Touch Type	IR/Inglass/Incell/Capacitive
		Scan Time	10 ms
		Object size for touch / Touch Accuracy	3 mm / (+/-) 2.0 mm
		Protection Glass Thickness	Anti-glare protection glass to the panel
10.	Operating System	Inbuilt Operating System	Android 11.0 or higher/ Linux/open source based/Windows
		Operating System Support	Android/Linux/open source based/Windows 7/8/10/WindowsXP/Mac/IOS
11.	Warranty	The entire system (including all supplied items, OS/Software etc.) will be covered under warranty as per tender document.	
12.	Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, Recording/Print/ E-mail	
13.	Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, etc. should be available	
14.	Hardware	Quad processor min 1.0 GHz,	
15.	Miscellaneous	Fixing and setting up of Digital Interactive Board with wall mounting Kit and power.	

2. **Clause No. 27 (ii)- UPS (Uninterrupted Power Supply) under Section-IV: Scope of Work:**

Required Specifications		
S.No	Description	Values
1	Rating in KVA	1 KVA
2	Technology	MOSFET-PWM
3	Type of battery	SMF-VRLA confirming to JISC-8702 Pt 1,2 &3
4	Rated Output (Volt)	Single Phase Quasi-Sin-wave 230 V AC, 50

		Hz
5	Degree of protection	IP 20
6	Inverter Efficiency (%)	> / = 60%
7	Warranty for the battery	Battery will also be covered under warranty.
8	Warranty for Line Interactive UPS	Entire UPS shall be covered under warranty
9	AC output sockets through inverter	Yes, 3 or above
10	Overload Time (Minutes)	> / = 5 minutes
11	Load power factor	> / = 0.6
12	Variation in AVR output in AC mode (%) AVR (Voltage regulation) output voltage in AC Mode	230 Volts +/-15%, 50 +/-3 Hz
13	Type of enclosure	ABS
14	Total harmonic distortion (%)	< / = 40%
15	Input (Volt)	Single phase sinewave(160-280v)
16	Switching over time (Mili sec)	Maximum 10 milli seconds
17	Overload Time (Minutes)	> / = 10 minutes
18	Load power factor	> / = 0.6
19	Variation in AVR output in AC mode (%) AVR (Voltage regulation) output voltage in AC Mode	230 Volts +/-9%, 50 +/-3 Hz
20	Overload (%)	> / = 10%
21	Variation in output voltage in battery mode (%) (UPS output voltage in battery mode)	230 Volts +/- 10%
22	Variation on output frequency in battery mode (Hz)	< / = 0.5

3. Regarding Field Engineer - it is clarified that it is not mandatory that Field Engineers to be deployed should be on the regular pay-roll of the bidder.
4. Regarding MSE and Startup - it is clarified that a Firm should be either MSE or Start Up or both.

Note: There is no other changes/amendment in the above referred tender document. Remaining clauses/Specifications of the tender document will remain same.
