

WEBEL TECHNOLOGY LIMITED

CORRIGENDUM - III

WTL/WBDME/HW/24-25/017 dated 28.11.2024

Si. No.	Section	Clause No. / Name	Page No.	Present Entry	Replace with
1.	Point no:5	Earnest Money Deposit	1	Rs.8400000.00 (Rupees Eighty Four Lacs only) The Amount to be transferred online through e-Tender portal.	Rs. 8400000.00 (Rupees Eighty Four Lacs only).The EMD / BID SECURITY should be denominated in Indian Rupees and should be in the form of Bank Guarantee valid for 6 months from the date of bid submission. Amount to be transferred online through e-Tender portal.
2.	Point no: 9	Last date & time of EMD & Tender Fee submission	1	Last date & time of EMD & Tender Fee submission	Last date & time of EMD / BID SECURITY & Tender Fee submission
3.	Section D: Point no 10 & 11		12	EMD	EMD/BID Security
4.	Section A	Responsibility Matrix , point no: 12	5	Digital Content: M/S Aces Infotech Pvt. Ltd. (OEM). Bidder should obtain authorization from the OEM for implementation of Digital Content	Digital Content: M/S Aces Infotech Pvt. Ltd. (OEM). Bidder should obtain authorization from the OEM for implementation of Digital Content 1. Official e-mail address. aces.econtent@gmail.com 2. Contact person name : Anita Addy 3. Phone number.: 7044453870 4. Full postal address for communication : ACES INFOTECH PRIVATE LIMITED 71B, ALIPORE ROAD, KOLKATA- 700027

5.	Section H & I	<p align="center"> BILL OF MATERIAL FOR PROCUREMENT FOR SMART CLASS and TECHNICAL SPECIFICATION WITH COMPLIANCE STATEMENT (To be sealed & signed by respective IT Hardware OEMs) </p>	<p> Section H from 59 to 61 & Section I From 62 to 93 </p>	Section H & I	Revised Section H & I attached.
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SECTION – H**BILL OF MATERIAL FOR PROCUREMENT FOR SMART CLASS****Type - I (90 Madrasah)**

Sl. No.	Item Description	Qty	Unit
1.	75" 4K LED INTERACTIVE TOUCH PANEL along with OPS (As per Technical Specification given in Section - I) – Type 1 Smart Class	180	Nos.
2.	Microsoft Office Home & Student latest version – Type 1 Smart Class	180	Nos.
3.	Antivirus with 3 Yrs. license. (As per Technical Specification given in Section - I) – Type 1 Smart Class	180	Nos.
4.	1000 VA Power Backup Line Interactive UPS (As per Technical Specification given in Section - I) – Type 1 Smart Class	180	Nos.
5.	Multi-Functional Printer Laser, Higher version (Print, Scan & Copy) (As per Technical Specification given in Section - I) – Type 1 Smart Class	180	Nos.
6.	Internet Dongle(4G/5G) – Type 1 Smart Class	180	Nos.
7.	SITC/Transportation, Installation and Commissioning and Facility Management Services (FMS) for 3 years – Type 1 Smart Class	180	LS
8.	Power Cable (10 mtrs. Approx.) – Type 1 Smart Class	180	Nos.

Type - II (210 Madrasah)

Sl. No.	Item Description	Qty.	Unit
1.	Interactive Smart Whiteboard (As per Technical Specification given in Section - I) – Type 2 Smart Class	420	Nos.
2.	Commercial Desktop PC with Core i5 12th Generation or Equiv. Ryzen 5 Processor (As per Technical Specification given in Section - I) – Type 2 Smart Class	420	Nos.
3.	Short Throw Projector (As per Technical Specification given in Section - I) – Type 2 Smart Class	420	Nos.
4.	Computer Table with Pencil Drawer with close cabinet in one side along with lock, CPU & UPS Shelf (As per Technical Specification given in Section - I) – Type 2 Smart Class	420	Nos.
5.	Microsoft Office Home & Student latest version– Type 2 Smart Class	420	Nos.
6.	Antivirus with 3 Yrs. license. (As per Technical Specification given in Section - I) – Type 2 Smart Class	420	Nos.
7.	600VA Power Backup Line Interactive UPS (As per Technical Specification given in Section - I) – Type 2 Smart Class	420	Nos.
8.	Multi-Functional Printer Laser, Higher version (Print, Scan & Copy) (As per Technical Specification given in Section - I) – Type 2 Smart Class	420	Nos.
9.	Internet Dongle(4G/5G)– Type 2 Smart Class	420	Nos.
10.	Public Address system (As per Technical Specification given in Section - I) – Type 2 Smart Class	420	Nos.
11.	SITC/Transportation, Installation and Commissioning and Facility Management Services (FMS) for 3 years– Type 2 Smart Class	420	LS
12.	VGA Splitter + VGA Cable (10 mtrs.) + Power Cable for Projector (10 mtrs.) – Type 2 Smart Class	420	Sets
13.	Wall-mount Bracket for Projector – Type 2 Smart Class	420	Sets

BILL OF MATERIAL FOR PROCUREMENT FOR SMART LAB**Type - I (21 Madrasah)**

Sl. No.	Item Description	Qty	Unit
1.	75" 4K LED INTERACTIVE TOUCH PANEL and OPS (As per Technical Specification given in Section - I) – Type 1 for Lab	21	Nos.
2.	Commercial Desktop PC with Core i3 12 th Generation or Equiv. Ryzen-3 Processor (As per Technical Specification given in Section - I) – Type 1 for Lab	441	Nos.
3.	Microsoft Office Home & Student latest version – Type 1 for Lab	441	Nos.
4.	Antivirus with 3 Yrs. License (As per Technical Specification given in Section - I) – Type 1 for Lab	441	Nos.
5.	1000 VA Power Backup Line Interactive UPS (As per Technical specification given in Section - I) – Type 1 for Lab	441	Nos.
6.	Multifunctional Printer Laser, Higher version (Print, Scan & Copy) As per Technical Specification given in Section - I) – Type 1 for Lab	21	Nos.
7.	Dual Band Wireless Access Point (As per Technical Specification given in Section - I) – Type 1 for Lab	21	Nos.
8.	Armless Chair including Teacher – Type 1 for Lab	441	Nos.
9.	Computer Table considering individual provisioning 20 numbers workstation , 2 Lockable Wooden Rack for storage at both end + 1 Teacher Table (As per Technical Specification given in Section - I)– Type 1 for Lab	441	Nos.
10.	Electrical job includes supply and commissioning of Power Cable, power- boards, 32W DP Main Switch and 12-Way MCB Distribution Box + Separate Dedicated Earthing Pit. – Type 1 for Lab	21	LS
11.	Power Cable 10 Metres (approx.) – Type 1 for Lab	441	Nos.

Type - II (79 Madrasah)

Sl. No.	Item Description	Qty.	Unit
1.	Interactive Smart Whiteboard (As per Technical Specification given in Section - I) – Type 2 for Lab	79	Nos.
2.	Commercial Desktop PC with Core i3 12 th Generation or equiv. Ryzen 3 Processor (As per Technical Specification given in Section - I) – Type 2 for Lab	1659	Nos.
3.	Short Throw Projector (As per Technical Specification given in Section - I) – Type 2 for Lab	79	Nos.
4.	Public Address system (As per Technical Specification given in Section - I) – Type 2 for Lab	79	Nos.
5.	Microsoft Office Home & Student latest version – Type 2 for Lab	1659	Nos.
6.	Antivirus with 3 Yrs. License (As per Technical Specification given in Section - I) – Type 2 for Lab	1659	Nos.
7.	600VA Power Backup Line Interactive UPS (As per Technical Specification given in Section - I) – Type 2 for Lab	1659	Nos.
8.	Multifunctional Printer Laser, Higher version (Print, Scan & Copy) (As per Technical Specification given in Section - I) – Type 2 for Lab	79	Nos.

9.	Dual Band Wireless Access Point (As per Technical Specification given in Section - I) – Type 2 for Lab	79	Nos.
10.	Armless Plastic Chair (for student and teacher)– Type 2 for Lab	1659	Nos.
11.	Computer Table considering individual provisioning 20 numbers workstation , 2 Lockable Wooden Rack for storage at both end + 1 Teacher Table (As per Technical Specification given in Section - I)- Type 2 for Lab	1659	Nos.
12.	Electrical job includes supply and commissioning of Power Cable, power- boards, 32W DP Main Switch and 12-Way MCB Distribution Box + Separate Dedicated Earthing Pit. – Type 2 for Lab	79	LS
13.	Wall Mount Bracket for Projector – Type 2 for Lab	79	Nos.

Bill of quantity may change at the time of ordering of Purchase Order. Detailed Technical Specifications are given in Section - I

SECTION - I

TECHNICAL SPECIFICATION WITH COMPLIANCE STATEMENT

(To be sealed & signed by respective IT Hardware OEMs)

(Tender No. WTL/WBDME/HW/24-25/017 dated 28.11.2024)

Smart Class (Type - I)
(90 Madrasah)

Minimum Technical Specification of 75" 4K LED Interactive Touch Panel

Qty.			180 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Display Panel Diagonal size	75" Interactive Touch Screen or higher		
2	Resolution	3840(H) ×2160 (V), 4K, IPS Screen (DLED Backlit)		
3	Display Colour	1.07 Billion or Higher		
4	Brightness	≥400 cd/m ² or better		
5	Viewing Angle	±178 ° or better viewing angle		
6	Aspect Ratio	16:09		
7	Touch Response Time	<5ms		
8	Lifetime	50,000 hours or more		
9	Speakers	2 x 20 Watts or Higher		
10	Deployment of Touch Technology	INFRARED (IR) TECHNOLOGY		
11	Thickness of the touch glass	3MM Toughened Glass with 7 Mohs and 9H Hardness		
12	Surface technology	Anti-Glare with Haze 25%		
13	Touch accuracy	Min. ±1 mm with at most 1mm air gap between the LCD module and the glass		
14	Touch Points	Must have a touch capability of minimum 40 points		
15	Inputs	HDMI in*3, VGA in*1, DP 1.2*1,USB2.0*1,Public USB3.0*3, USB Type C*1, LAN in*1		
16	Outputs	Mic*1, Line Out		
17	Other	RS232*1		
18	Webcam with Mic	Integrated Min. 48 Megapixel Camera and Min. 8 Nos. Array MIC or better		

19	Android Version	Android 13 or Higher		
20	Built-in Software:	Whiteboard, File manager, Screen mirroring, Chrome, google playstore, Youtube, WPS, Welcome Page, Settings, Calculator, User Manual, Float tool, Side tool bar, Note, Wireless Content sharing.		
21	Inbuilt Wi-Fi	Dual band Wi-Fi or better		
22	Bluetooth	BT 5.0 or better		
23	RAM	8 GB or Higher		
24	ROM	64 GB or Higher		
25	Certification	BIS (Indian), CE, CB, FCC & ROHS certification. ISO 9001, , ISO 27001, ISO 50001 and ISO 14001 Certified Company. (Related certificate copy required)		
26	OEM Warranty	3 years on-site warranty		
27	Installation Kit	Stand Mount/ Wall mount Bracket for Panel		
28	OEM Turn Over	OEM's Average annual turnover in India of last 3 years should be INR 500+ Crores . OEM should have installed minimum 1000 units in last 3 FY & have a single order of 500 units within last 3 FY		

Minimum Technical Specification of OPS-

Qty.			180 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Processor	It should have Intel Core-i5 10 Gen or AMD Ryzen-5 processor		
2	Memory Slots	2 x SO-DIMM DDR-4 Max. 32GB		
3	Memory	It should have min. 8GB DDR-4 RAM		
4	Graphics	On Board AMD/ Intel UHD Graphics		
5	Storage capacity	Min. 512 GB NVMe SSD or higher		
6	LAN	1 x RJ45 10/100/1000 Gigabit LAN		
7	USB	USB 3.0 x 5 or more		
8	Type C port	1 x Type C		
9	Display Port	DP / HDMI /Rear 80 Pin Support 4K60Hz		
10	Audio	AUDIO IN + OUT		
11	WLAN	802.11ax/802.11 +BT5.0 or better		
12	Socket Pin	JAE 80 Pin		
13	Power	19 ~ 20V, 5AMP DC IN		
14	OS	Windows 11 HOME / SL		
15	Certifications	ISO 9001, ISO 27001, ISO 50001 and ISO 14001		

16	OEM Warranty	3 years on-site warranty		
17	MAKE	OPS & PANNEL should be of same OEM		

Minimum Technical Specification of Antivirus, 3 Yrs. license -

Qty.			180 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specifications (Quoted/ Applicable- by the bidder)	Complied (Yes / No)
1	Single License for multi-device	Single License for multi-device		
2		Intrusion Detection System (IDS) / Intrusion Prevention System (IPS)		
3		Data Protection		
4		Cloud Protection		
5		Network Threat Protection		
6		Anti-Virus		
7		Anti-Malware		
8		Anti-Phishing		
9		Anti-Rootkit		
10		Anti-Spyware		
11		Anti-Trojan		
12		Anti-Worm		
13		Anti-Spam		
14		Anti-Adware		
15		Anti-Ransom ware		
16		Boot time protection		
17		Removable Media Scan		
18		Protection from Browser Exploits		
19		Incoming and Outgoing Email Protection		
20		On-Demand Scanning		
21		On-Access Scanning		
22		Scheduled Scanning		
23		Vulnerability Scanning		
24		Automatically Clean Infected Files		

25	Scan Compressed File Formats		
26	Quarantine Feature		
27	Automatic USB Detection		
28	Registry Start Up Protection		
29	Browser Protection		
30	Malicious web page blocking		
31	Tamper Protection		
32	Parental Control		
33	Heuristics Protection		
34	Firewall		
35	Web Protection		
36	Protection from PUA (Potential Unwanted Applications)		
37	Download Protection		
38	Behavioural Analysis & Vulnerability Protection		
39	Safe guards online transactions		
40	Network Attack Blocker		
41	Virus cleanup mode/Virtual sandbox		
42	System Watcher		
43	Critical Data Backup option for Ransomware protection		
44	Data Encryption		
45	File Shredder		
46	Virtual Key Board		
47	Automatic Updates		
48	Free 24-hour support		
49	Webcam protection, Advance DNA Scan, Spam Protection, Anti-Key logger, Screen Locker Protection, Hijack Restore, PC Tuner & Remote Device Management, Proactively monitors the system for new ransomware infections, Browser sandbox, Track My device option, RDM & SC facility		
50	AV Test certified, Standard Deployment Support directly from OEM		

51	OEM ISOs	OEM should have ISO 20000, ISO 9001-2015, ISO 27001:2013 certification		
52	OEM Eligibility	OEM must have the physical support team in West Bengal		
53		Proposed OEM himself or there group companies have to declared that never been Black listed/Banned in any state/Central/PSU organization in last 5 yrs.		

Minimum Technical Specification of 1000VA UPS -

Qty.			180 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Rating (VA / Watts)	1000 VA /600 Watt		
2	INPUT			
3	Voltage (VAC)	140-300 VAC, 1- Phase		
4	Frequency (Hz)	50Hz ± 10Hz Auto Sensing		
5	OUTPUT			
6	Voltage AVR Mode	200~ 245V		
7	Voltage Battery Mode	230~ 245V		
8	Frequency (Hz) on Battery	50Hz ± 0.1Hz		
9	Power Factor	0.6		
10	Waveform	Stepped Sine Wave		
11	Display	LED		
12	Transfer Time (ms)	4-8 ms Typical		
13	Battery back up	Minimum 30 minutes		
14	Minimum VAH required	168 VAH (12V x7 AH x 2 No)		
15	Battery Make	Exide / Quanta or Equivalent		
16	Battery Voltage	12 VDC		
17	Cold Start	Yes		
18	Protection	Battery Low, Overload, Short Circuit, Over voltage / Under Voltage and Fault conditions		
19	Alarm	Low Battery, Overload, Short Circuit, and Fault conditions		
20	Automatic Voltage	Built-in-Automatic Voltage Regulator		

	Regulator	(AVR)		
21	Circuit	Microprocessor controlled circuit		
22	Certifications	UPS must have BIS		
23	Temperature	Operating :0~40°C, Storage: - 10°C ~ 55°C		
24	Humidity	0~95% RH Non -condensing		
25	Safety	IS 16242(Part1):2014 / IEC 62040-1:2008		
26	OEM Warranty	3 years on-site warranty, incl. battery		
27	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 500+ Crores		

**Minimum Technical Specification of Multi-Functional Printer - Laser, Higher Version
(Print/Scan/Copy) -**

Qty. :			180 Nos.	
Make :				
Model :				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Print technology	Laser		
2	Cartridge type	Composite		
3	Function	Print/Scan/Copy		
4	Print speed ISO-A4	29 ppm or higher		
5	Memory	64 MB or higher		
6	Connectivity	Hi-Speed USB 2.0; Ethernet 10/100Base-TX; Wireless 802.11b/g/n		
7	Scan size	Flatbed: 297 x 216 mm; ADF: 215.9 x 355.6 mm		
	No of copies	Upto 99 pages		
8	Input tray	150-sheet input tray		
9	Duplex printing	Automatic		
10	ADF capacity	35 sheet or higher		
11	Duty cycle	20,000 pages or higher		
12	Starter toner	Should be full toner		
13	OEM Warranty	3 years onsite warranty		
14	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 500+ Crores		

**Smart Class (Type - II)
(210 Madrasah)**

Minimum Technical Specification of Interactive smart whiteboard -

Qty.			420 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	White Board Measurement	1780mm(W) x 1190MM(H) x 30mm(T) ± 2 mm		
2	Touch Sensor	IR(Infrared) Technology		
3	Positioning Accuracy	0.5 mm		
4	cursor speed	100dot/sec		
5	touch resolution	4096×4096, Max,32768×32768		
6	Response speed	5ms		
7	USB	2.0, 3.0,		
8	screen surface	Hard-coated steel surface, optimized for projection		
9	compatible with	dry-erase marker and water-based pen		
10	Form factor	Surface independent portable Interactive device with ceramic steel whiteboard		
11	Interactive area & surface type	6 ft x 4 ft (84" diagonal)		
12	Technology	3D Optical Tracking Technology		
13	Calibration	Automatic as well as manual calibration		
14	Auto Calibration speed	Within 5 seconds		
15	Lens for Interactive device	ST as well as Ultra-Short focus with T/R options of 0.34 / 0.28 / 0.20 / 0.15		
16	Touch Driver	Single Driver with all T/R Options (user defined)		
17	Movement detection	Combination of 3D Optical & IR tracking		
18	Touch points	10 simultaneous touch points		
19	Positional Accuracy	+/- 1 pixel		
20	Native Resolution	4096 x 4096		
21	Aspect Ratio support	4:3, 16:9, 16:10		
22	Tracking Speed	120 FPS		
23	Optimized Cursor Jittering	Integrated smoothing algorithms		

24	Response Time	200 Mn dots / sec		
25	Storage temperature	-10°C to 50°C		
26	Power consumption	1 watt or less		
27	Power requirement	5V & 1.5A		
28	Interactivity	Through Stylus		
29	Interface	USB		
30	Standard Item inside box	Interactive device, stylus, USB cable & mounting kit		
31	Interactive Software Suite	Interactive whiteboard must be supplied with multi-writing interactive annotation software (for Win OS platform) & the software must be from the same IWB OEM. Essential software features like Pen, eraser, content sharing, saving option, import/export file options, screen recording, cloud content search, handwriting recognition, geometrical shape recognition (upto six-sided figure), geometrical tools, insert image & video, preset & customized background, adding infinite number of pages, cropping, taking snapshot from running video, tools for creating customized teaching content etc. are must to have.		
32	OEM Warranty	3 years onsite warranty		
33	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		

Minimum Technical Specification of Commercial Desktop PC with Ci5/ R-5 Processor -

Qty.		420 Nos.		
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Processor	x86 Architecture; Minimum 6-Multithreaded Cores, 3.00 GHz Base Frequency, 18MB Cache or Higher		
2	Motherboard	5000-Series AMD/ 12 th Gen Intel OR		

		equiv		
3	Memory	8GB DDR4 @ 3200 MT/s or higher; 2 DIMM 64 GB Expandability or higher		
4	Chassis	Tower Form Factor (MT/ SFF)		
5	Graphics Ports	1x HDMI 1x VGA/ Display port		
6	Audio Ports	1x Universal Combo Jack		
7	Storage capacity	Min. 1024 GB NVMe SSD or higher		
8	LAN	10/100/1000 Mbps or higher		
9	Ports/ Expansion	2x USB 2.0 Type A Ports 2x USB 3.2 Type A Ports 1x PCI/PCIE		
10	Security	TPM 2.0 Standard Cable Lock/ Kensington Lock Slot		
11	Power Supply	Min. 180W		
12	Display (Same OEM)	19.5" or higher; 1600x900 or higher // port- HDMI, VGA/DP Monitor must be TCO 8 or higher		
13	WLAN	WiFi 6 + Bluetooth 4.2 or better		
14	Mouse	2 Button USB optical Scroll mouse		
15	Keyboard	104 keys USB Keyboard with ₹ symbol,		
16	OS	Windows 11 Professional / SL / HOME (Factory Pre-loaded)		
17	Product Certifications	ISO 9001 , ISO 14001 , FCC , UL , EPEAT INDIA ,BEE / Energy Star, Windows, RoHS.		
18	OEM Turn Over	OEM's Average annual turnover in India of last 3 years should be INR 2500+ Crores		
19	OEM Warranty	3 years on-site warranty		

Minimum Technical Specification of Short Throw Projector –

		Qty.	420 Nos.	
		Make		
		Model		
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Projector	Projection System: DLP		
		Native Resolution: XGA (1024X768)		

	Brightness (ANSI Lumens): 3600AL		
	Contrast Ratio: 20000:1		
	Display Colour: 1.07 Billion Colors		
	Aspect Ratio: Native 4:3		
	Light Source: Lamp 200W		
	Light Source Life: Economic 10000 hr		
	Throw Ratio: 0.61		
	Zoom Ratio: Fixed		
	Keystone Correction: 1D, Vertical +/- 30 degrees		
	Projection Offset: 115%+-2.5% (Full-Height)		
	Projection Size: 60"~120"		
	Built-in Speaker: 10W x1		
	Video Compatibility: NTSC, PAL, SECAM		
	Resolution Support: VGA (640 x 480) to WUXGA_RB		
	(1920 x 1200)		
	Horizontal Frequency: 15K~102KHz		
	Vertical Scan Rate: 23~120Hz		
	Input Connectivity: HDMI x1, Computer In x1		
	Output Connectivity: Monitor Out (D-Sub 15pin,		
	Female) x1, USB Type-A x1		
	Audio Input: Audio in x1		
	Audio Output: Audio Out (mini jack) x1		
	Communication Port: RS-232 (D-Sub, 9pin, male) x1,		
	Power Consumptions (Max/Normal/Eco): 260W		
	(typical), Standby<0.5W		
	Power Supply: 100 ~ 240V AC		
	Noise Level (Normal/Eco): 33/29 dBA		
	3D Compatibility: Frame Packing; Frame Sequential;		
	Side by Side; Top Bottom		

		Mounting Kit as per requirement of installation		
		OEM ISO : 9000,14001/ 45001, BIS,FCC, CB, CE, RoHS, VCCI/KCC, BSMI		
		OEM Warranty: 3 years OEM on Projector 1Year on Lamp.		

Computer Table with Pencil Drawer with close cabinet in one side along with lock, CPU & UPS Shelf-

QTY			420 nos	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Type : Knock-down (KD) furniture	Knock-down (KD) furniture designed to facilitate easy transportation and assembly for last mile delivery to remote schools, in order to avoid any transit damages. Ease of Assembly: Includes simple, clear instructions and requires minimal tools for assembly, suitable for non-experts		
2	Dimension Height x Width X Depth:	770 x 450x 750 (in mm) or higher		
3	Table Top	Made out of 16mm thick (Both Side Lamination) Pre- laminated Particle Board with cable manager provision.		
4	Keyboard Tray Key Board Tray size: 670 x 300 (in mm) Key Board Tray channel	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board.		
5	Modesty Panel size: 700 x 145 (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board.		
6	Stand for CPU CPU Stand dimensions: 300x 500 (edge rise) (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board..		
7	Stand for UPS UPS Stand dimensions: 380 x 400 x 200 (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle.		
8	Warranty	3 years manufacturing warranty.		

9	OEM	Minimum 50 Crore turnover annually with office presence and Service centre in West Bengal.		
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Minimum Technical Specification of Antivirus, 3 Yrs. license -

Qty.			420 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specifications (Quoted/ Applicable- by the bidder)	Complied (Yes / No)
1	Single License for multi-device	Single License for multi-device		
2		Intrusion Detection System (IDS) / Intrusion Prevention System (IPS)		
3		Data Protection		
4		Cloud Protection		
5		Network Threat Protection		
6		Anti-Virus		
7		Anti-Malware		
8		Anti-Phishing		
9		Anti-Rootkit		
10		Anti-Spyware		
11		Anti-Trojan		
12		Anti-Worm		
13		Anti-Spam		
14		Anti-Adware		
15		Anti-Ransom ware		
16		Boot time protection		
17		Removable Media Scan		
18		Protection from Browser Exploits		
19		Incoming and Outgoing Email Protection		
20		On-Demand Scanning		
21		On-Access Scanning		
22		Scheduled Scanning		
23		Vulnerability Scanning		

24	Automatically Clean Infected Files		
25	Scan Compressed File Formats		
26	Quarantine Feature		
27	Automatic USB Detection		
28	Registry Start Up Protection		
29	Browser Protection		
30	Malicious web page blocking		
31	Tamper Protection		
32	Parental Control		
33	Heuristics Protection		
34	Firewall		
35	Web Protection		
36	Protection from PUA (Potential Unwanted Applications)		
37	Download Protection		
38	Behavioural Analysis & Vulnerability Protection		
39	Safe guards online transactions		
40	Network Attack Blocker		
41	Virus cleanup mode/Virtual sandbox		
42	System Watcher		
43	Critical Data Backup option for Ransomware protection		
44	Data Encryption		
45	File Shredder		
46	Virtual Key Board		
47	Automatic Updates		
48	Free 24-hour support		
49	Webcam protection, Advance DNA Scan, Spam Protection, Anti-Key logger, Screen Locker Protection, Hijack Restore, PC Tuner & Remote Device Management, Proactively monitors the system for new ransomware infections, Browser sandbox, Track My device option, RDM & SC facility		

50		AV Test certified, Standard Deployment Support directly from OEM		
51	OEM ISOs	OEM should have ISO 20000, ISO 9001-2015, ISO 27001:2013 certification		
52	OEM Eligibility	OEM must have the physical support team in West Bengal		
53		Proposed OEM himself or there group companies have to declared that never been Black listed/Banned in any state/Central/PSU organization in last 5 yrs.		

Minimum Technical Specification of 600VA UPS -

Qty.			420 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	MAKE			
2	MODEL	600 VA LI Double		
	Rating (VA/Watts)	600VA / 360Watts		
3	INPUT	1 Phase, 230 VAC		
	Input Voltage Range	140V - 300 VAC		
	Input Frequency	50Hz		
4	OUTPUT	1 Phase, 230 VAC		
	Output Volts Range	195V - 255V AC (Mains Mode)		
		230V±10% (Battery Mode)		
	Transfer Time	4ms - 10ms typical		
	Output Frequency	50Hz +/-1 Hz (Battery Mode)		
	Output Wave form	Stepped Sinewave		
	Inverter Efficiency	> 60 %		
5	BATTERY			
	Battery	12 V SMF 9AH - 1 Nos (inbuilt)		
	System Voltage	12 V DC		
	Recharge time	8 hrs for 90% charging		
6	INDICATION & PROTECTION			
	Front Display	LED		
	Indication	AC Mode - Green Light		

		Backup Mode - Green flashing		
		Fault - Red lighting		
	Alarm	Battery Mode - Every 10 Second		
		Low Battery - Every Second		
		Over load - Every 0.5 Second		
		Fault - Continuously sounding		
	Night guard protection	Required		
	Protection Features	Mains Ac Input Low / High, Battery mode Input Low / High, Short circuit trip - Mains / Battery, Over load Trip - Mains / Battery mode		
	Input Protection	Resettable Circuit Breaker		
7	CONNECTION			
	Input Type	1.2-meter Power Chord		
	Output Type	3 Nos - 5 Pin Indian Socket		
8	ENVIRONMENTAL			
	Relative Humidity	0-95% without condensation		
	Operating Temperature	0 - 40 degC		
	Noise Level	< 40 dB at 1 meter distance		
9	FEATURES			
		Microprocessor based design for High reliability		
		Auto Restart Facility		
		Generator Compatibility		
		Cold Soft		
		Double Boost & Single Buck AVR		
10	STANDARDS			
	IS 16242 (PART 1): 2014	Required		
	Performance Test Report	Required from NTH (National Test House)		
11	OEM Warranty	3 years on-site warranty, incl. battery		
12	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		
13	Certificates	ISO & PEP		
14	Service	UPS OEM should have toll free number facilities for all type service call logging support. UPS OEM should have at least own 7-10 Service Centers (Where Spare & Parts stock available and UPS will repair		

		instant) and own payroll minimum 25-30 Service engineers in West Bengal for Service support. UPS OEM should have own Factory premises in India		
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**Minimum Technical Specification of Multi-Functional Printer - Laser, Higher Version
(Print/Scan/Copy) -**

Qty.:			420 Nos.	
Make:				
Model:				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Print technology	Laser		
2	Cartridge type	Composite		
3	Function	Print/Scan/Copy		
4	Print speed ISO-A4	29 ppm or higher		
5	Memory	64 MB or higher		
6	Connectivity	Hi-Speed USB 2.0; Ethernet 10/100Base-TX; Wireless 802.11b/g/n		
7	Scan size	Flatbed: 297 x 216 mm; ADF: 215.9 x 355.6 mm		
	No of copies	Upto 99 pages		
8	Input tray	150-sheet input tray		
9	Duplex printing	Automatic		
10	ADF capacity	35 sheet or higher		
11	Duty cycle	20,000 pages or higher		
12	Starter toner	Should be full toner		
13	OEM Warranty	3 years onsite warranty		
14	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		

Minimum Technical Specification of Public Address System -

Qty.	420 Nos.
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		Make		
		Model		
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Speaker	Woofers 100mm (4"), Tweeter 25mm (1")		
2	Power Rating	45W Max.		
3	Power Taps	30/20/15/10/5W Easy power tap selection through a slotted rotary must be available		
4	Frequency Response	75-20,000Hz		
5	Impedance/Voltage	100V		
6	Accessories	'U' type bracket for convenient & firm mounting		
7	Speaker color	Should be available in both option White and black		
8	SPL at 1kHz (1W/1m)	87dB or better		
9	Power Output of amplifier	70W RMS at 5% THD.		
10	Input Channels	4 × Mic 0.6mV/4.7kΩ, 1 × Aux 100mV/330 kΩ		
11	Frequency Response	50-15,000Hz ±3Db		
12	Signal to Noise Ratio	55dB or better		
13	Tone Controls	Bass: -10dB +7dB at 100Hz, Treble: -10dB +7dB at 10kHz		
14	Output	Line:- 1V/3.5kΩ		
15	Speaker Output	4Ω, 8Ω,16Ω & 100V		
16	Digital Player	MP3 Player with USB, SD and MMC Card & Bluetooth		
17	Power Supply	AC: 220-240V 50/60Hz, DC: 24V (2×12V Car Battery)		
18	Power Consumption	AC: 300VA DC: 4A		
	Specification: - VHF Wireless Dual Channel Handheld & Lapel Microphones			
19	Controls	Transmitter ON/OFF Transmitter ON/OFF Switch and Volume Control		
20	Indication	Red LED for indication		
21	Weight	180g (w/o battery) 60g (w/o		

		battery) or less		
22	Microphone Element	Dynamic, Cardioid Condenser, Omnidirectional		
23	Current Consumption	≤130mA ≤130mA		
24	RF Output Power	15mW (Max.) 15mW (Max.)		
25	Modulation Mode	FM (F3E) FM (F3E)		
26	Dynamic Range	80dB		
27	Power Requirement	3V (2 × 1.5V AA Pencil Cells) 3V (2 × 1.5V AA Pencil Cells)		
	Specification: Receiver			
28	Antenna	Telescopic		
29	Power Requirement	240V AC 50Hz for AC adaptor		
30	Controls	Power On / Off Switch, Volume Control for Channel-1, Volume Control for Channel-2		
31	Indications	Red LED for Power ON, Green LED for RF reception on		
32	Frequency Stability	± 0.005% Quartz Crystal Controlled		
33	Receiving Method	Non-diversity		
34	Audio Output	Channel 1: 0-55mV / 1kΩ , Channel 2: 0-55mV / 1kΩ, Channel 1+2: 0-55mV / 1kΩ		
35	OEM Warranty	3 years on-site warranty		
36	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		

**Smart Lab (Type - I)
(21 Madrasah)**

Minimum Technical Specification of 75" 4K LED Interactive Touch Panel

Qty.			21 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Display Panel Diagonal size	75" Interactive Touch Screen or higher		
2	Resolution	3840(H) ×2160 (V), 4K, IPS Screen		

		(DLED Backlit)		
3	Display Colour	1.07 Billion or Higher		
4	Brightness	≥400 cd/m ² or better		
5	Viewing Angle	±178 ° or better viewing angle		
6	Aspect Ratio	16:09		
7	Touch Response Time	<5ms		
8	Lifetime	50,000 hours or more		
9	Speakers	2 x 20 Watts or Higher		
10	Deployment of Touch Technology	INFRARED (IR) TECHNOLOGY		
11	Thickness of the touch glass	3mm Toughened Glass with 7 Mohs and 9H Hardness		
12	Surface technology	Anti-Glare with Haze 25%		
13	Touch accuracy	Min. ±1 mm with at most 1mm air gap between the LCD module and the glass		
14	Touch Points	Must have a touch capability of minimum 40 points		
15	Inputs	HDMI in*3, VGA in*1, DP 1.2*1,USB2.0*1,Public USB3.0*3, USB Type C*1, LAN in*1		
16	Outputs	Mic*1, Line Out		
17	Other	RS232*1		
18	Webcam with Mic	Integrated Min. 48 Megapixel Camera and Min. 8 Nos. Array MIC or better		
19	Android Version	Android 13 or Higher		
20	Built-in Software:	Whiteboard, File manager, Screen mirroring, Chrome, google playstore, Youtube, WPS, Welcome Page, Settings, Calculator, User Manual, Float tool, Side tool bar, Note, Wireless Content sharing.		
21	Inbuilt Wi-Fi	Wi-Fi 5 or better		
22	Bluetooth	BT 5.0 or better		
23	RAM	8 GB or Higher		
24	ROM	64 GB or Higher		
25	Certification	BIS (Indian), CE, CB, FCC & ROHS certification. ISO 9001, ISO 27001, ISO 50001 and ISO 14001 Certified Company. (Related certificate copy required)		
26	OEM Warranty	3 years on-site warranty		
27	Installation Kit	Stand Mount/ Wall mount Bracket for Panel		
28	OEM Turn Over	OEM's Average annual turnover in India of last 3 years should be INR 500+		

		Crores OEM should have installed minimum 1000 units in last 3 FY & have a single order of 500 units within last 3 FY		
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Minimum Technical Specification of OPS-

Qty.			21 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Processor	It should have Intel Core-i5 10 Gen or AMD Ryzen-5 processor		
2	Memory Slots	2 x SO-DIMM DDR-4 Max. 32GB		
3	Memory	It should have min. 8GB DDR-4 RAM		
4	Graphics	On Board AMD/ Intel UHD Graphics		
5	Storage capacity	Min. 512 GB NVMe SSD or higher		
6	LAN	1 x RJ45 10/100/1000 Gigabit LAN		
7	USB	USB 3.0 x 5 or more		
8	Type C port	1 x Type C		
9	Display Port	DP / HDMI /Rear 80 Pin Support 4K60Hz		
10	Audio	AUDIO IN + OUT		
11	WLAN	802.11ax/802.11+ BT 5.0 or better		
12	Socket Pin	JAE 80 Pin		
13	Power	19 ~ 20V, 5AMP DC IN		
14	OS	Windows 11 HOME / SL		
15	Certifications	ISO 9001, ISO 27001, ISO 50001 and ISO 14001		
16	OEM Warranty	3 years on-site warranty		
17	Make	OPS & PANNEL should be of same OEM		

Minimum Technical Specification of Commercial Desktop PC with Ci3/ R-3 Processor -

Qty.			441 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Processor	x86 Architecture; Min. 4-Multithreaded Cores, 3.30 GHz Base Frequency, 10MB Cache or higher		

2	Motherboard	5000-Series AMD/ 12 th Gen Intel OR EQUIVALENT		
3	Memory	8 GB DDR4 @ 3200 MT/s or higher; 2 DIMM 64 GB Expandability or higher		
4	Chassis	Tower Form Factor (MT/ SFF)		
5	Graphics Ports	1x HDMI 1x VGA/ Display port		
6	Audio Ports	1x Universal Combo Jack		
7	Storage capacity	Min. 512 GB SSD or higher		
8	LAN	10/100/1000 Mbps or higher		
9	USB & PORTS	2x USB 2.0 Type A Ports 2x USB 3.2 Type A Ports 1 X PCI/PCIE		
10	Security	TPM 2.0 Standard Cable Lock/ Kensington Lock Slot		
11	Power Supply	Min. 180W, 90% or more efficiency		
12	Display (Same OEM)	19.5" or higher; 1600x900 or higher // port- HDMI, VGA/DP Monitor must be TCO 8 or higher		
13	WLAN	WiFi 6 + Bluetooth 4.2 or better		
14	Mouse	2 Button USB optical Scroll mouse		
15	Keyboard	104 keys USB Keyboard with ₹ symbol,		
16	OS	Windows 11 Professional / SL / HOME (Factory Pre-loaded)		
17	Product Certifications	ISO 9001 , ISO 14001 , FCC , UL , EPEAT INDIA ,BEE / Energy Star, Windows, RoHS.		
18	OEM Turn Over	OEM's Average annual turnover in India of last 3 years should be INR 2500+ Crores.		
19	OEM Warranty	3 years on-site warranty		

Minimum Technical Specification of Antivirus, 3 Yrs. license -

Qty.			441 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specifications (Quoted/ Applicable-by the bidder)	Complied (Yes / No)
1	Single License for multi-device	Single License for multi-device		
2		Intrusion Detection System (IDS) / Intrusion Prevention System (IPS)		
3		Data Protection		

4	Cloud Protection		
5	Network Threat Protection		
6	Anti-Virus		
7	Anti-Malware		
8	Anti-Phishing		
9	Anti-Rootkit		
10	Anti-Spyware		
11	Anti-Trojan		
12	Anti-Worm		
13	Anti-Spam		
14	Anti-Adware		
15	Anti-Ransom ware		
16	Boot time protection		
17	Removable Media Scan		
18	Protection from Browser Exploits		
19	Incoming and Outgoing Email Protection		
20	On-Demand Scanning		
21	On-Access Scanning		
22	Scheduled Scanning		
23	Vulnerability Scanning		
24	Automatically Clean Infected Files		
25	Scan Compressed File Formats		
26	Quarantine Feature		
27	Automatic USB Detection		
28	Registry Start Up Protection		
29	Browser Protection		
30	Malicious web page blocking		
31	Tamper Protection		
32	Parental Control		
33	Heuristics Protection		
34	Firewall		
35	Web Protection		
36	Protection from PUA (Potential Unwanted Applications)		
37	Download Protection		
38	Behavioural Analysis & Vulnerability Protection		

39		Safe guards online transactions		
40		Network Attack Blocker		
41		Virus cleanup mode/Virtual sandbox		
42		System Watcher		
43		Critical Data Backup option for Ransomware protection		
44		Data Encryption		
45		File Shredder		
46		Virtual Key Board		
47		Automatic Updates		
48		Free 24-hour support		
49		Webcam protection, Advance DNA Scan, Spam Protection, Anti-Key logger, Screen Locker Protection, Hijack Restore, PC Tuner & Remote Device Management, Proactively monitors the system for new ransomware infections, Browser sandbox, Track My device option, RDM & SC facility		
50		AV Test certified, Standard Deployment Support directly from OEM		
51	OEM ISOs	OEM should have ISO 20000, ISO 9001-2015, ISO 27001:2013 certification		
52		OEM must have the physical support team in West Bengal		
53	OEM Eligibility	Proposed OEM himself or there group companies have to declared that never been Black listed/Banned in any state/Central/PSU organization in last 5 yrs.		

Minimum Technical Specification of 1000VA UPS -

Qty.	441 Nos.
Make	
Model	

Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Rating (VA / Watts)	1000 VA /600 Watt		
2	INPUT			
3	Voltage (VAC)	140-300 VAC, 1- Phase		
4	Frequency (Hz)	50Hz ± 10Hz Auto Sensing		
5	OUTPUT			
6	Voltage AVR Mode	200~ 245V		
7	Voltage Battery Mode	230~ 245V		
8	Frequency (Hz) on Battery	50Hz ± 0.1Hz		
9	Power Factor	0.6		
10	Waveform	Stepped Sine Wave		
11	Display	LED		
12	Transfer Time (ms)	4-8 ms Typical		
13	Battery back up	Minimum 30 minutes		
14	Minimum VAH required	168 VAH (12V x 7 AH x 2 No)		
15	Battery Make	Exide / Quanta		
16	Battery Voltage	12 VDC		
17	Cold Start	Yes		
18	Protection	Battery Low, Overload, Short Circuit, Over voltage / Under Voltage and Fault conditions		
19	Alarm	Low Battery, Overload, Short Circuit, and Fault conditions		
20	Automatic Voltage Regulator	Built-in-Automatic Voltage Regulator (AVR)		
21	Circuit	Microprocessor controlled circuit		
22	Certifications	UPS must have BIS		
23	Temperature	Operating :0~40°C, Storage: - 10°C ~ 55°C		
24	Humidity	0~95% RH Non -condensing		
25	Safety	IS 16242(Part1):2014 / IEC 62040-1:2008		
26	OEM Warranty	3 years on-site warranty, incl. battery		
27	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 500+ Crores		

**Minimum Technical Specification of Multi-Functional Printer - Laser, Higher Version
(Print/Scan/Copy) -**

Qty.:			21 Nos.	
Make:				
Model:				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Print technology	Laser		
2	Cartridge type	Composite		
3	Function	Print/Scan/Copy		
4	Print speed ISO-A4	29 ppm or higher		
5	Memory	64 MB or higher		
6	Connectivity	Hi-Speed USB 2.0; Ethernet 10/100Base-TX; Wireless 802.11b/g/n		
7	Scan size	Flatbed: 297 x 216 mm; ADF: 215.9 x 355.6 mm		
	No of copies	Upto 99 pages		
8	Input tray	150-sheet input tray		
9	Duplex printing	Automatic		
10	ADF capacity	35 sheet or higher		
11	Duty cycle	20,000 pages or higher		
12	Starter Toner	Should be full toner		
13	OEM Warranty	3 years onsite warranty		
14	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		

Minimum Technical Specification of Dual Band Wireless Access Point -

Qty.:			21 Nos.	
Make:				
Model:				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Main Design	802.11ax (WiFi6) wireless access point with 2x2MU-MIMO over 5Ghz which support upto 80Mhz channel band		
		WiFi6 should work on 2.4 and 5 GHz wireless frequency simultaneously		

		2x2+2x2 MU-MIMO with 2+2 spatial streams, should support maximal ratio Combining Should be operable at 20, 40 and 80-MHz channels, should support data rates up to 574 Mbps on 802.11ax @ 2.4GHz and 1200 Mbps on 802.11ax @ 5GHz technology.		
2	RF Specifications	Frequency bands: Must comply with Govt. of India Regulation		
		Transmission power of 23dBm for 2.4GHz & 26dBm for 5GHz radio, and should have 4 nos. of embedded antennas for ceiling and wall mount.		
		Antenna gain: at least 3dBi on 2.4Ghz and 4dBi on 5Ghz		
		connectivity: Upto 64 devices per AP		
3	LAN	1GbE ports for uplink connectivity and 1x RJ45 Console Port		
		PoE and power consumption of 19watt or better.		
		support IEEE 802.3, IEEE 802.3u, IEEE 802.11ab, IEEE 802.3az, IEEE 802.3at		
4	WLAN Features	Should support Mesh Or WDS connectivity as and when required		
		Should support fast roaming		
		Should support multiple SSID and VLAN		
5	Wireless Security	Should support WEP, WPA/WPA2/WPA3 Personal/Enterprise, WMM (Wi-Fi Certified), MAC Access control list		
		Should support EAP-TLS, EAP-TTLS, PEAPv0/MSCHAPv2 and EAP-SIM		
		Should support IEEE 802.1X, RADIUS Authentication, Web Authentication, LDAP Authentication, MAC Filtering		
		at least 8 SSIDs per radio		
		embedded RADIUS Server		
		rogue AP detection		
		MAC access control list feature.		
6	Network	IPv6 support from day-1		
		VLAN and DHCP client		
7	QoS(PG)	WMM and WMM Power save features		
8	Management	same make software which can detect all APs in the network and managed from single console in standalone mode		

		IP configuration/renew, password configuration, device reboot, firmware upgrade		
		manageable through CLI, WEB console, Telnet & SSH		
		Access Point should support Standalone configuration mode and for ease of management also should be supported with Software & Hardware based controller.		
9	Others	Airtime Fairness, Band Steering, Captive Portal		
10	Certifications	CE, FCC, EN 60601-1-2		
		WPC-ETA		
		MTCTE (valid certificate must be provided along with the Bid, otherwise it will be subject to rejection of Bid)		
		OEM should have ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 14064-1: 2006, IEC 62443-4-1:2018 (All the above certificates must be submitted along with the bid, otherwise it will be subject to rejection of Bid.)		
11	Environmental Specifications	operating temperature upto 40°C		
		humidity of 10% to 90% (non-condensing)		
12	OEM Warranty	3 years on-site warranty		
13	OEM Criteria	OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.		
		OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.		
14	OEM Support Service	OEM should have their Own service centre running & operational within the state of installation (West Bengal). Documentary evidence must be submitted along with the bid.		

Computer Table considering individual provisioning 20 numbers workstation , 2 Lockable Wooden Rack for storage at both end + 1 Teacher Table

QTY			420 nos(Student Table)	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Type : Knock-down (KD) furniture	Knock-down (KD) furniture designed to facilitate easy transportation and assembly for last mile delivery to remote schools, in order to avoid any transit damages. Ease of Assembly: Includes simple, clear instructions and requires minimal tools for assembly, suitable for non-experts		
2	Dimension Height x Width X Depth:	770 x 450x 750 (in mm) or higher		
3	Table Top	Made out of 16mm thick (Both Side Lamination) Pre- laminated Particle Board with cable manager provision.		
4	Keyboard Tray Key Board Tray size: 670 x 300 (in mm) Key Board Tray channel	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board.		
5	Modesty Panel size: 700 x 145 (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board.		
6	Stand for CPU CPU Stand dimensions: 300x 500 (edge rise) (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board..		
7	Stand for UPS UPS Stand dimensions: 380 x 400 x 200 (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle.		
8	Warranty	3 years manufacturing warranty.		
9	OEM	Minimum 50 Crore turnover annually with office presence and Service centre in West Bengal.		

Qty	21 Nos.(Teacher Table)
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Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Type : Knock-down (KD) furniture	Knock-down (KD) furniture designed to facilitate easy transportation and assembly for last mile delivery to remote schools, in order to avoid any transit damages. Ease of Assembly: Includes simple, clear instructions and requires minimal tools for assembly, suitable for non-experts		
2	Dimension Height x Width X Depth:	900 x 460 x 760 (in mm) or higher		
3	Table Top	Made out of 16mm thick (Both Side Lamination) Pre- laminated Particle Board with cable manager provision.		
4	Storage with Locker Storage dimensions One drawer 300 x 120 x 365(in mm) and one cup board 300 x 270 (in mm)	Made out of 12 mm thick (Both Side Lamination) Pre- laminated Particle Board with Key & lock facility.		
6	Warranty	3 years manufacturing warranty.		
7	OEM	Minimum 50 Crore turnover annually with office presence and Service centre in West Bengal		

Smart Lab (Type - II)
(79 Madrasah)

Minimum Technical Specification of Interactive smart whiteboard -

Qty.			79 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)

1	White Board Measurement	1780mm(W) x 1190MM(H) x 30mm(T) ± 2 mm		
2	Touch Sensor	IR(Infrared) Technology		
3	Positioning Accuracy	0.5 mm		
4	cursor speed	100dot/sec		
5	touch resolution	4096×4096, Max,32768×32768		
6	Response speed	5ms		
7	USB	2.0, 3.0,		
8	screen surface	Hard-coated steel surface, optimized for projection		
9	compatible with	dry-erase marker and water-based pen		
10	onsite warranty	3 Years OEM warranty.		
11	Form factor	Surface independent portable Interactive device with ceramic steel whiteboard		
12	Interactive area & surface type	6 ft x 4 ft (84" diagonal)		
13	Technology	3D Optical Tracking Technology		
14	Calibration	Automatic as well as manual calibration		
15	Auto Calibration speed	Within 5 seconds		
16	Lens for Interactive device	ST as well as Ultra-Short focus with T/R options of 0.34 / 0.28 / 0.20 / 0.15		
17	Touch Driver	Single Driver with all T/R Options (user defined)		
18	Movement detection	Combination of 3D Optical & IR tracking		
19	Touch points	10 simultaneous touch points		
20	Positional Accuracy	+/- 1 pixel		
21	Native Resolution	4096 x 4096		
22	Aspect Ratio support	4:3, 16:9, 16:10		
23	Tracking Speed	120 FPS		
24	Optimized Cursor Jittering	Integrated smoothing algorithms		
25	Response Time	200 Mn dots / sec		
26	Storage temperature	-10°C to 50°C		
27	Power consumption	1 watt or less		
28	Power requirement	5V & 1.5A		
29	Interactivity	Through Stylus		
30	Interface	USB		
31	Standard Item inside box	Interactive device, stylus, USB cable & mounting kit		

32	Interactive Software Suite	Interactive whiteboard must be supplied with multi-writing interactive annotation software (for Win OS platform) & the software must be from the same IWB OEM. Essential software features like Pen, eraser, content sharing, saving option, import/export file options, screen recording, cloud content search, handwriting recognition, geometrical shape recognition (upto six-sided figure), geometrical tools, insert image & video, preset & customized background, adding infinite number of pages, cropping, taking snapshot from running video, tools for creating customized teaching content etc. are must to have.		
33	OEM Warranty	3 years onsite warranty		
34	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		

Minimum Technical Specification of Commercial Desktop PC with Ci3/ R-3 Processor -

Qty.			1659 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Processor	x86 Architecture; Min. 4-Multithreaded Cores, 3.30 GHz Base Frequency, 10MB Cache or higher		
2	Motherboard	5000-Series AMD/ 12 th Gen Intel		
3	Memory	8 GB DDR4 @ 3200 MT/s or higher; 2 DIMM 64 GB Expandability or higher		
4	Chassis	Tower Form Factor (MT/ SFF)		
5	Graphics Ports	1x HDMI 1x VGA/ Display port		
6	Audio Ports	1x Universal Combo Jack		
7	Storage capacity	Min. 512 GB SSD or higher		
8	LAN	10/100/1000 Mbps or higher		
9	USB & PORTS	2x USB 2.0 Type A Ports 2x USB 3.2 Type A Ports 1x PCI/PCIE		
10	Security	TPM 2.0 Standard Cable Lock/ Kensington Lock Slot		
11	Power Supply	Min. 180W, 90% or more efficiency		

12	Display (Same OEM)	19.5" or higher; 1600x900 or higher // port- HDMI, VGA/DP Monitor must be TCO 8 or higher		
13	WLAN	WiFi 6 + Bluetooth 4.2 or better		
14	Mouse	2 Button USB optical croll mouse		
15	Keyboard	104 keys USB Keyboard with ₹ symbol,		
16	OS	Windows 11 Professional / SL / HOME (Factory Pre-loaded)		
17	Product Certifications	ISO 9001 , ISO 14001 , FCC , UL , EPEAT INDIA ,BEE / Energy Star, Windows, RoHS.		
18	OEM Turn Over	OEM's Average annual turnover in India of last 3 years should be INR 2500+ Crores.		
19	OEM Warranty	3 years on-site warranty		

Minimum Technical Specification of Short Throw Projector -

Qty.			79 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Projector	Projection System: DLP		
		Native Resolution: XGA (1024X768)		
		Brightness (ANSI Lumens): 3600AL		
		Contrast Ratio: 20000:1		
		Display Colour: 1.07 Billion Colors		
		Aspect Ratio: Native 4:3		
		Light Source: Lamp 200W		
		Light Source Life: Economic 10000 hr		
		Throw Ratio: 0.61		
		Zoom Ratio: Fixed		
		Keystone Correction: 1D, Vertical +/- 30 degrees		
		Projection Offset: 115%+-2.5% (Full-Height)		
Projection Size: 60"~120"				

		Built-in Speaker: 10W x1		
		Video Compatibility: NTSC, PAL, SECAM		
		Resolution Support: VGA (640 x 480) to WUXGA_RB		
		(1920 x 1200)		
		Horizontal Frequency: 15K~102KHz		
		Vertical Scan Rate: 23~120Hz		
		Input Connectivity: HDMI x1, Computer In x1		
		Output Connectivity: Monitor Out (D-Sub 15pin,		
		Female) x1, USB Type-A x1		
		Audio Input: Audio in x1		
		Audio Output: Audio Out (mini jack) x1		
		Communication Port: RS-232 (D-Sub, 9pin, male) x1,		
		Power Consumptions (Max/Normal/Eco): 260W		
		(typical), Standby<0.5W		
		Power Supply: 100 ~ 240V AC		
		Noise Level (Normal/Eco): 33/29 dBA		
		3D Compatibility: Frame Packing; Frame Sequential;		
		Side by Side; Top Bottom		
		Mounting Kit as per requirement of installation		
		OEM ISO : 9000,14001/45001, BIS,FCC, CB, CE, RoHS, VCCI/KCC, BSMI		
		OEM Warranty: 3 years OEM on Projector 1Year on Lamp.		

Minimum Technical Specification of Public Address System –

Qty.	79 Nos.
Make	

Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Speaker	Woofer 100mm (4"), Tweeter 25mm (1")		
2	Power Rating	45W Max.		
3	Power Taps	30/20/15/10/5W Easy power tap selection through a slotted rotary must be available		
4	Frequency Response	75-20,000Hz		
5	Impedance/Voltage	100V		
6	Accessories	'U' type bracket for convenient & firm mounting		
7	Speaker color	Should be available in both option White and black		
8	SPL at 1kHz (1W/1m)	87dB or better		
9	Power Output of amplifier	70W RMS at 5% THD.		
10	Input Channels	4 × Mic 0.6mV/4.7kΩ, 1 × Aux 100mV/330 kΩ		
11	Frequency Response	50-15,000Hz ±3Db		
12	Signal to Noise Ratio	55dB		
13	Tone Controls	Bass: -10dB +7dB at 100Hz, Treble: -10dB +7dB at 10kHz		
14	Output	Line:- 1V/3.5kΩ		
15	Speaker Output	4Ω, 8Ω,16Ω & 100V		
16	Digital Player	MP3 Player with USB, SD and MMC Card & Bluetooth		
17	Power Supply	AC: 220-240V 50/60Hz, DC: 24V (2×12V Car Battery)		
18	Power Consumption	AC: 300VA DC: 4A		
	Specification: -VHF Wireless Dual Channel Handheld & Lapel Microphones			
19	Controls	Transmitter ON/OFF Transmitter ON/OFF Switch and Volume Control		
20	Indication	Red LED for indication		
21	Weight	180g (w/o battery) 60g (w/o battery) or less		
22	Microphone Element	Dynamic, Cardioid Condenser, Omnidirectional		
23	Current Consumption	≤130mA ≤130Ma		
24	RF Output Power	15mW (Max.) 15mW (Max.)		
25	Modulation Mode	FM (F3E) FM (F3E)		
26	Dynamic Range	80dB		
27	Power Requirement	3V (2 × 1.5V AA Pencil Cells) 3V (2 × 1.5V AA Pencil Cells)		

	Specification: Receiver			
28	Antenna	Telescopic		
29	Power Requirement	240V AC 50Hz for AC adaptor		
30	Controls	Power On / Off Switch, Volume Control for Channel-1, Volume Control for Channel-2		
31	Indications	Red LED for Power ON, Green LED for RF reception on		
32	Frequency Stability	± 0.005% Quartz Crystal Controlled		
33	Receiving Method	Non-diversity		
34	Audio Output	Channel 1: 0-55mV / 1kΩ , Channel 2: 0-55mV / 1kΩ, Channel 1+2: 0-55mV / 1kΩ		
35	OEM Warranty	3 years on-site warranty		
36	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		

Minimum Technical Specification of Antivirus, 3 Yrs. license -

		Qty.	1659 Nos.	
		Make		
		Model		
Sl. No.	Component	Minimum Specification	Specifications (Quoted/ Applicable-by the bidder)	Complied (Yes / No)
1	Single License for multi-device	Single License for multi-device		
2		Intrusion Detection System (IDS) / Intrusion Prevention System (IPS)		
3		Data Protection		
4		Cloud Protection		
5		Network Threat Protection		
6		Anti-Virus		
7		Anti-Malware		
8		Anti-Phishing		
9		Anti-Rootkit		
10		Anti-Spyware		
11		Anti-Trojan		
12		Anti-Worm		
13		Anti-Spam		
14		Anti-Adware		
15		Anti-Ransom ware		

16	Boot time protection		
17	Removable Media Scan		
18	Protection from Browser Exploits		
19	Incoming and Outgoing Email Protection		
20	On-Demand Scanning		
21	On-Access Scanning		
22	Scheduled Scanning		
23	Vulnerability Scanning		
24	Automatically Clean Infected Files		
25	Scan Compressed File Formats		
26	Quarantine Feature		
27	Automatic USB Detection		
28	Registry Start Up Protection		
29	Browser Protection		
30	Malicious web page blocking		
31	Tamper Protection		
32	Parental Control		
33	Heuristics Protection		
34	Firewall		
35	Web Protection		
36	Protection from PUA (Potential Unwanted Applications)		
37	Download Protection		
38	Behavioural Analysis & Vulnerability Protection		
39	Safe guards online transactions		
40	Network Attack Blocker		
41	Virus cleanup mode/Virtual sandbox		
42	System Watcher		
43	Critical Data Backup option for Ransomware protection		
44	Data Encryption		
45	File Shredder		
46	Virtual Key Board		
47	Automatic Updates		
48	Free 24-hour support		

49		Webcam protection, Advance DNA Scan, Spam Protection, Anti-Key logger, Screen Locker Protection, Hijack Restore, PC Tuner & Remote Device Management, Proactively monitors the system for new ransomware infections, Browser sandbox, Track My device option, RDM & SC facility		
50		AV Test certified, Standard Deployment Support directly from OEM		
51	OEM ISOs	OEM should have ISO 20000, ISO 9001-2015, ISO 27001:2013 certification		
52		OEM must have the physical support team in West Bengal		
53	OEM Eligibility	Proposed OEM himself or there group companies have to declared that never been Black listed/Banned in any state/Central/PSU organization in last 5 yrs.		

Minimum Technical Specification of 600VA UPS -

Qty.			1659 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	MAKE			
2	MODEL	600 VA LI Double		
	Rating (VA/Watts)	600VA / 360Watts		
3	INPUT	1 Phase, 230 VAC		
	Input Voltage Range	140V - 300 VAC		
	Input Frequency	50Hz		
4	OUTPUT	1 Phase, 230 VAC		
	Output Volts Range	195V - 255V AC (Mains Mode)		
		230V±10% (Battery Mode)		
	Transfer Time	4ms - 10ms typical		
	Output Frequency	50Hz +/-1 Hz (Battery Mode)		
	Output Wave form	Stepped Sinewave		

	Inverter Efficiency	> 60 %		
5	BATTERY			
	Battery	12 V SMF 9AH - 1 Nos (inbuilt)		
	System Voltage	12 V DC		
	Recharge time	8 hrs for 90% charging		
6	INDICATION & PROTECTION			
	Front Display	LED		
	Indication	AC Mode - Green Light		
		Backup Mode - Green flashing		
		Fault - Red lighting		
	Alarm	Battery Mode - Every 10 Second		
		Low Battery - Every Second		
		Over load - Every 0.5 Second		
		Fault - Continuously sounding		
	Night guard protection	Required		
	Protection Features	Mains Ac Input Low / High, Battery mode Input Low / High, Short circuit trip - Mains / Battery, Over load Trip - Mains / Battery mode		
Input Protection	Resettable Circuit Breaker			
7	CONNECTION			
	Input Type	1.2-meter Power Chord		
	Output Type	3 Nos - 5 Pin Indian Socket		
8	ENVIRONMENTAL			
	Relative Humidity	0-95% without condensation		
	Operating Temperature	0 - 40 degC		
	Noise Level	< 40 dB at 1 meter distance		
9	FEATURES			
		Microprocessor based design for High reliability		
		Auto Restart Facility		
		Generator Compatibility		
		Cold Soft		
	Double Boost & Single Buck AVR			
10	STANDARDS			
	IS 16242 (PART 1): 2014	Required		
	Performance Test Report	Required from NTH (National Test House)		
11	OEM Warranty	3 years on-site warranty, incl. battery		
12	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		

13	Certificates	ISO & PEP		
14	Services	UPS OEM should have toll free number facilities for all type service call logging support. UPS OEM should have at least own 7-10 Service Centers (Where Spare & Parts stock available and UPS will repair instant) and own payroll minimum 25-30 Service engineers in West Bengal for Service support. UPS OEM should have own Factory premises in India		

**Minimum Technical Specification of Multi-Functional Printer - Laser, Higher Version
(Print/Scan/Copy) -**

Qty.:			79 Nos.	
Make:				
Model:				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Print technology	Laser		
2	Cartridge type	Composite		
3	Function	Print/Scan/Copy		
4	Print speed ISO-A4	29 ppm or higher		
5	Memory	64 MB or higher		
6	Connectivity	Hi-Speed USB 2.0; Ethernet 10/100Base-TX; Wireless 802.11b/g/n		
7	Scan size	Flatbed: 297 x 216 mm; ADF: 215.9 x 355.6 mm		
	No of copies	Upto 99 pages		
8	Input tray	150-sheet input tray		
9	Duplex printing	Automatic		
10	ADF capacity	35 sheet or higher		
11	Duty cycle	20,000 pages or higher		
12	Starter Toner	Should be full toner		
13	OEM Warranty	3 years onsite warranty		
14	OEM Turnover	OEM's Average annual turnover in India of last 3 years should be INR 300+ Crores		

Minimum Technical Specification of Dual Band Wireless Access Point -

Qty. :			79 Nos.	
Make :				
Model :				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Main Design	802.11ax (WiFi6) wireless access point with 2x2 MU-MIMO over 5Ghz which support upto 800Mhz channel band		
		WiFi6 should work on 2.4 and 5 GHz wireless frequency simultaneously		
		2x2+2x2 MU-MIMO with 2+2 spatial streams, should support maximal ratio Combining Should be operable at 20, 40 and 80-MHz channels, should support data rates up to 574 Mbps on 802.11ax @ 2.4GHz and 1200 Mbps on 802.11ax @ 5GHz technology.		
2	RF Specifications	Frequency bands: Must comply with Govt. of India Regulation		
		Transmition power of 23dBm for 2.4GHz & 26dBm for 5GHz radio, and should have 4 nos. of embedded antennas for ceiling and wall mount.		
		Antenna gain: at least 3dBi on 2.4Ghz and 4dBi on 5Ghz		
		connectivity: at least 64 devices per AP		
3	LAN	1GbE ports for uplink connectivity and 1x RJ45 Console Port		
		PoE and power consumption of 19watt or better.		
		support IEEE 802.3, IEEE 802.3u, IEEE 802.11ab, IEEE 802.3az, IEEE 802.3at		
4	WLAN Features	Should support Mesh Or WDS connectivity as and when required		
		Should support fast roaming		
		Should support multiple SSID and VLAN		
5	Wireless Security	Should support WEP, WPA/WPA2/WPA3 Personal/Enterprise, WMM (Wi-Fi Certified), MAC Access control list		
		Should support EAP-TLS, EAP-TTLS, PEAPv0/MSCHAPv2 and EAP-SIM		
		Should support IEEE 802.1X, RADIUS Authentication, Web Authentication, LDAP Authentication, MAC Filtering		
		at least 8 SSIDs per radio		

		embedded RADIUS Server		
		rogue AP detection		
		MAC access control list feature.		
6	Network	IPv6 support from day-1		
		VLAN and DHCP client		
7	QoS(PG)	WMM and WMM Power save features		
8	Management	same make software which can detect all APs in the network and managed from single console in standalone mode		
		IP configuration/renew, password configuration, device reboot, firmware upgrade		
		manageable through CLI, WEB console, Telnet & SSH		
		Access Point should support Standalone configuration mode and for ease of management also should be supported with Software & Hardware based controller.		
9	Others	Airtime Fairness, Band Steering, Captive Portal		
10	Certifications	CE, FCC, EN 60601-1-2		
		WPC-ETA		
		MTCTE (valid certificate must be provided along with the Bid, otherwise it will be subject to rejection of Bid)		
		OEM should have ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 14064-1: 2006, IEC 62443-4-1:2018 (All the above certificates must be submitted along with the bid, otherwise it will be subject to rejection of Bid.)		
11	Environmental Specifications	operating temperature upto 40°C		
		humidity of 10% to 90% (non-condensing)		
12	OEM Warranty	3 years on-site warranty		
13	OEM Criteria	OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.		
		OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.		

14	OEM Support Service	OEM should have their Own service centre running & operational within the state of installation (West Bengal). Documentary evidence must be submitted along with the bid.		
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Computer Table considering individual provisioning 20 numbers workstation , 2 Lockable Wooden Rack for storage at both end + 1 Teacher Table

QTY			1580 nos(Student Table)	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Type : Knock-down (KD) furniture	Knock-down (KD) furniture designed to facilitate easy transportation and assembly for last mile delivery to remote schools, in order to avoid any transit damages. Ease of Assembly: Includes simple, clear instructions and requires minimal tools for assembly, suitable for non-experts		
2	Dimension Height x Width X Depth:	770 x 450x 750 (in mm) or higher		
3	Table Top	Made out of 16mm thick (Both Side Lamination) Pre- laminated Particle Board with cable manager provision.		
4	Keyboard Tray Key Board Tray size: 670 x 300 (in mm) Key Board Tray channel	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board.		
5	Modesty Panel size: 700 x 145 (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board.		
6	Stand for CPU CPU Stand dimensions: 300x 500 (edge rise) (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle Board..		
7	Stand for UPS UPS Stand dimensions: 380 x 400 x 200 (in mm)	Made out of 12mm thick (Both Side Lamination) Pre- laminated Particle.		

8	Warranty	3 years manufacturing warranty.		
9	OEM	Minimum 50 Crore turnover annually with office presence and Service centre in West Bengal.		

Qty			79 Nos.(Teacher Table)	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable - by the bidder)	Complied (Yes / No)
1	Type : Knock-down (KD) furniture	Knock-down (KD) furniture designed to facilitate easy transportation and assembly for last mile delivery to remote schools, in order to avoid any transit damages. Ease of Assembly: Includes simple, clear instructions and requires minimal tools for assembly, suitable for non-experts		
2	Dimension Height x Width X Depth:	900 x 460 x 760 (in mm) or higher		
3	Table Top	Made out of 16mm thick (Both Side Lamination) Pre- laminated Particle Board with cable manager provision.		
4	Storage with Locker Storage dimensions One drawer 300 x 120 x 365(in mm) and one cup board 300 x 270 (in mm)	Made out of 12 mm thick (Both Side Lamination) Pre- laminated Particle Board with Key & lock facility.		
6	Warranty	3 years manufacturing warranty.		
7	OEM	Minimum 50 Crore turnover annually with office presence and Service centre in West Bengal		

- Bidders to ensure that All SIM cards and other communication and networking equipment to be fully functional and operating seamlessly for the entire duration of the contract.

- Bidder should submit all relevant data sheet/brochure of all quoted items and should also available in respective OEM's official website.
- Bidder should indicate items mentioned in the OEM data sheet / brochure by marketing as mentioned in minimum specification in the RFP
- Bidders should arrange for documents of respective OEM pertaining to
 - 1) Having registered office in India,
 - 2) Being present in India for the requisite number of years as per requirements in Section-I Technical Specifications and
 - 3) Turnover as per requirements against Section -I Technical Specifications for respective items.

Authorized Signatory (Signature In full): _____

Name and title of Signatory: _____

Stamp of the Company: _____