

WEBEL TECHNOLOGY LIMITED
Corrigendum – IV
Tender No. WTL/BCWD/HW/25-26/057 DATED 25.02.2026

Sl. No.	Section	Clause No	Page No.	Present Entry	Replace with
1	Notice Inviting e-Tender	Notice Inviting e-Tender & Brief Description of Job	1	Setting up Smart Class Room @2 in each of the 358 Govt. run / aided schools in the SC concentrated areas	Setting up Smart Class Room @2 in each of the 150 Govt. run / aided schools in the SC concentrated areas
2	SECTION – E	BID FORM	60	Sub: Setting up Smart Class Room @2 in each of the 358 Govt. run / aided schools in the SC concentrated areas of the State identified by Department of Backward Classes Welfare, Government of West Bengal across the State of West Bengal	Sub: Setting up Smart Class Room @2 in each of the 150 Govt. run / aided schools in the SC concentrated areas of the State identified by Department of Backward Classes Welfare, Government of West Bengal across the State of West Bengal
3	SECTION – O	NIT DECLARATION FOR BIDDER	110	Sub: Setting up Smart Class Room @2 in each of the 358 Govt. run / aided schools in the SC concentrated areas of the State identified by Department of Backward Classes Welfare, Government of West Bengal across the State of West Bengal	Sub: Setting up Smart Class Room @2 in each of the 150 Govt. run / aided schools in the SC concentrated areas of the State identified by Department of Backward Classes Welfare, Government of West Bengal across the State of West Bengal
4	SECTION-A	LIST OF SCHOOLS	6	LIST OF SCHOOLS IS UPDATED AND ENCLOSED BELOW	
5	SECTION-H	BILL OF MATERIAL	66	BILL OF MATERIAL IS MODIFIED AND ENCLOSED BELOW	
6	SECTION - I	TECHNICAL SPECIFICATION WITH COMPLIANCE STATEMENT	70	SECTION - I TECHNICAL SPECIFICATION WITH COMPLIANCE STATEMENT IS MODIFIED AND ENCLOSED BELOW	
7	BOQ EXCEL SHEET UPLOADED WITH NIT DOCUMENT	BOQ		BOQ IS MODIFIED	

SECTION – H
BILL OF MATERIAL FOR
PROCUREMENT

CLUSTER-A

CLUSTER-A

Sl. No.	Item Description	Qty	Unit
1.	65" 4K LED INTERACTIVE TOUCH PANEL (As per Technical Specification given in Section - I)	74	Nos.
2.	OPS (As per Technical Specification given in Section - I)	74	Nos.
3.	1kva Power Backup Line Interactive UPS (As per Technical Specification given in Section - I)	74	Nos.
4.	Visualiser / Document Scanner (FHD) (As per Technical Specification given in Section - I)	74	Nos.
5.	Camera (FHD) (As per Technical Specification given in Section - I)	74	Nos.
6.	DIGITAL AMPLIFIER (As per Technical Specification given in Section - I)	74	Nos.
7.	SPEAKER (30 wt RMS) Pair (As per Technical Specification given in Section - I)	74	Nos.
8.	Microphone (Wireless with one handheld and/or one Lapel Mic)	74	Nos.
9.	INTERNET DONGLE	74	Nos.
10.	INTERNET DATA SERVICE FOR 3 YEARS (80 GB MIN. PER MONTH PER SIM)	74	Nos.
11.	Digital Content [ENGLISH & BENGALI]	74	Nos.
12.	Delivery & Installation with all necessary cables (upto 20 m) & other Accessories	74	LS
13.	FMS FOR THREE YEARS	74	LS

Cluster B:

Sl. No.	Item Description	Qty	Unit
1.	65" 4K LED INTERACTIVE TOUCH PANEL (As per Technical Specification given in Section - I)	70	Nos.
2.	OPS (As per Technical Specification given in Section - I)	70	Nos.
3.	1kva Power Backup Line Interactive UPS (As per Technical Specification given in Section - I)	70	Nos.
4.	Visualiser / Document Scanner (FHD) (As per Technical Specification given in Section - I)	70	Nos.
5.	Camera (FHD) (As per Technical Specification given in Section - I)	70	Nos.
6.	DIGITAL AMPLIFIER (As per Technical Specification given in Section - I)	70	Nos.
7.	SPEAKER (30 wt RMS) Pair (As per Technical Specification given in Section - I)	70	Nos.
8.	Microphone (Wireless with one handheld and/or one Lapel Mic)	70	Nos.

9.	INTERNET DONGLE	70	Nos.
10.	INTERNET DATA SERVICE FOR 3 YEARS (80 GB MIN. PER MONTH PER SIM)	70	Nos.
11.	Digital Content [ENGLISH & BENGALI]	70	Nos.
12.	Delivery & Installation with all necessary cables (upto 20 m) & other accessories	70	LS
13.	FMS FOR THREE YEARS	70	LS

Cluster C:

Sl. No.	Item Description	Qty	Unit
1.	65" 4K LED INTERACTIVE TOUCH PANEL (As per Technical Specification given in Section - I)	72	Nos.
2.	OPS (As per Technical Specification given in Section - I)	72	Nos.
3.	1kva Power Backup Line Interactive UPS (As per Technical Specification given in Section - I)	72	Nos.
4.	Visualiser / Document Scanner (FHD) (As per Technical Specification given in Section - I)	72	Nos.
5.	Camera (FHD) (As per Technical Specification given in Section - I)	72	Nos.
6.	DIGITAL AMPLIFIER (As per Technical Specification given in Section - I)	72	Nos.
7.	SPEAKER (30 wt RMS) Pair (As per Technical Specification given in Section - I)	72	Nos.
8.	Microphone (Wireless with one handheld and/or one Lapel Mic)	72	Nos.
9.	INTERNET DONGLE	72	Nos.
10.	INTERNET DATA SERVICE FOR 3 YEARS (80 GB MIN. PER MONTH PER SIM)	72	Nos.
11.	Digital Content [ENGLISH & BENGALI]	72	Nos.
12.	Delivery & Installation with all necessary cables (upto 20 m) & other accessories	72	LS
13.	FMS FOR THREE YEARS	72	LS

Cluster D:

Sl. No.	Item Description	Qty	Unit
1.	65" 4K LED INTERACTIVE TOUCH PANEL (As per Technical Specification given in Section - I)	84	Nos.
2.	OPS (As per Technical Specification given in Section - I)	84	Nos.
3.	1kva Power Backup Line Interactive UPS (As per Technical Specification given in Section - I)	84	Nos.
4.	Visualiser / Document Scanner (FHD) (As per Technical Specification given in Section - I)	84	Nos.
5.	Camera (FHD) (As per Technical Specification given in Section - I)	84	Nos.
6.	DIGITAL AMPLIFIER (As per Technical Specification given in Section - I)	84	Nos.
7.	SPEAKER (30 wt RMS) Pair (As per Technical Specification given in Section - I)	84	Nos.
8.	Microphone (Wireless with one handheld and/or one Lapel Mic)	84	Nos.
9.	INTERNET DONGLE	84	Nos.
10.	INTERNET DATA SERVICE FOR 3 YEARS (80 GB MIN. PER MONTH PER SIM)	84	Nos.
11.	Digital Content [ENGLISH & BENGALI]	84	Nos.
12.	Delivery & Installation with all necessary cables (upto 20 m) & other accessories	84	LS
13.	FMS FOR THREE YEARS	84	LS

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

(Tender No. WTL/BCWD/HW/25-26/057 dated 25.02.2026)

Cluster A

Minimum Technical Specification of 4K LED Interactive Touch Panel

Qty.			74 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Display Panel Diagonal size	65 Inches or higher		
2	Resolution	3840 x 2160 (4K or Higher)		
3	Display Colour	1.07 Billion or Higher		
4	Brightness	≥450 cd/m ² or better		
5	Viewing Angle	±178 ° or better viewing angle		
6	Contrast ratio	1300:1		
7	Response Time	Not more than 8 ms		
8	Lifetime	50,000 hours or more		
9	Speakers	2 x 18 Watts or Higher		
10	Deployment of Touch Technology	Advanced Infrared		
11	Toughness of the touch glass	Toughened Glass with 7H Toughness or better		
12	Surface technology	Anti-Glare		
13	Touch accuracy	1mm or better		
14	Touch Points in Android & Windows	Minimum 40 simultaneous Touch Points		
15	Front Interface	HDMI in*1, USB touch*1, USB3.0*2, USB Type C*1		
16	Inputs	USB 2.0x3, Touch USB x2, HDMI IN x2, Audio in x1, USB 3.0 x1, RJ45 x1, RS232 x1		

17	Outputs	SPDIF out*1, Audio Out, HDMI Out*1		
18	CPU	Octa-core ARM Cortex Processor		
19	GPU	Mali G52 MP2 (4 Cores)		
20	Android version	Android 14.0 or Higher (With Playstore)		
21	Built-in Software:	Whiteboard, File manager, Screen mirroring, Chrome, Google play store, YouTube, WPS, Welcome Page, Settings, Calculator, User Manual, Float tool, Side tool bar, Screen recording, Wireless Content sharing, text recognition. AI features: handwriting and shape recognition (2D & 3D), custom shape creation with angle display, auto-correction, multi-lingual read aloud, translation, and content generation. AI brainstorming, topic analysis, and topic expansion tools for teaching support. AI-based content search with text, image, and video results; auto Q&A generation (Grade 1–12); AI simulations (subject and class-wise); interactive periodic table and 3D compound exploration. AI Chat Assistant for classroom support and teacher assistance. AI Image Generation, AI Simulation Generation, Essay creation, Meeting Minutes, Ideas generation. Classroom Summary and Lesson Summary generation features. NCERT in book content from Grade 1 to 12 and Option to add custom books with board-wise referred suggestions.		
22	Inbuilt WiFi	Dual WIFI (5G & 2.4G), Dual Hotspot (5G & 2.4G) or better		
23	Bluetooth	BT5.0 or better		
24	RAM	8 GB or Higher		
25	ROM	128 GB or Higher		
26	Certification	BIS (Indian) & ROHS certification. ISO 9001:2015, ISO 45001:2018, ISO 27001:2013, ISO 14001:2015 & E-Waste Certified Company. (Related certificate copy required)		
27	Warranty	Onsite - 3 Years or Higher.		

Pre-Qualification Criteria for OEM for Interactive Touch Panel:

1. OEM's Registered presence in India for more than 15 years (Certificate of incorporation required)
2. OEM's Average turnover in India of past 3 years should be more than INR 2000 Cr (CA certificate to be produced)

3. OEM must comply land border clause as per GRF Rule of Ministry of Finance, GoI (Declaration required in OEM's letterhead)
4. OEM's BIS must have manufacturing unit located in India. India's manufacturing unit must belong to the OEM or its sister/subsidiary company or group company (BIS Copy required)
5. India manufacturing unit (either belonging to OEM or its sister/subsidiary company or group company) must have a valid factory license (Valid license copy under Section 6 of the Factories Act, 1948 to be submitted and a declaration required to establish the correlation between the OEM & its factory in India)
6. OEM should be registered on GeM and must have supplied at least 900 units of IFPDs in Government/PSU/Defence Department through GeM, either directly or through partners in the preceding 3 years (GeM PO copies to be submitted)
7. OEM must have toll free number in India (Declaration to be provided mentioning the tollfree number)
8. The OEM must have the following certifications: BIS, ISO 9001, ISO 14001, ISO 45001, ISO 27001 and E-Waste Certified Company.

Minimum Technical Specification of UPS

Qty.			74 Nos.	
Make				
Model				
Sl. No.	Feature	Minimum Specification	Specification(Quoted /Applicable-by the bidder)	Complied (Yes/No)
1	UPS Topology	Line-Interactive		
2	Voltage	220/230/240Vac		
3	Input Voltage Range	140Vac - 300Vac		
4	Input Frequency Range	40-70Hz		
5	Rated Input current	4.55A		
6	Plug Type	IN		
7	VA	1000		
8	Watts	600		
9	On Battery Waveform	Simulated Sine Wave		
10	On Battery Voltage	220/230/240Vac±10%		
11	Automatic Voltage Regulation (AVR)	Double Boost/Single Buck		
12	On Battery Frequency	50/60Hz ± 1%		
13	Outlets - Total	4		
14	Outlet Type	India		
15	Outlets - Battery Backup	4		
16	Transfer Time	4ms Typical		
17	Runtime at 60W (min)	60		
18	Runtime at 90W (min)	45		
19	Battery Type	Sealed Lead Acid		
20	Battery Quantity	2		
21	Typical Recharge Time	8 Hours		
22	Replacement Battery Pack Quantity	2		
23	LED Indicators	Power On, Using Battery		
24	Audible Alarms	On Battery, Low Battery, Overload, Fault		

25	Form Factor	Brick		
26	Operating Temperature	+ 32°F to 104° F / 0° C to 40° C		
27	Operating Humidity	0% - 90% non-condensing		
28	Storage Temperature	- 4°F to 122° F / -20° C to 50° C		
29	Storage Relative Humidity	0% - 90%		
30	Performance Test Report	Required from NTH (National Test House)		
31	Certificates	ISO & BIS		
32	Warranty	3 Years on UPS & 3 Years on Battery from date of supply.		
33	Service purpose	UPS OEM should have toll free number facilities for all type service call logging support.		
34	Criteria(s)	UPS OEM should have at least 7-10 own Service Centers (Where Spare & Parts stock available and UPS will repair instant) and own payroll 10-15 Service engineers in West Bengal for Service support.		
		UPS OEM should have single PO Copy & supplied 10000 Units in West Bengal Govt.project through System Integrator during last 5 (five) years.		
		UPS OEM should have 500 CR turnover consecutive last 3 financial Years		

Minimum Technical Specification of OPS

Qty.		74 Nos.		
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Processor	It should have Intel 11 Gen Core- i5 processor or more		
2	Memory Slots	2 x SO-DIMM DDR4 MAX 32GB		
3	Memory	It should have 8GB DDR4 RAM		
4	Graphics	On Board Intel. UHD Graphics		
5	Storage Slots	2 x M.2 2280 SSD		
6	ROM / Storage memory	It should have memory storage of 512GB SSD or higher		
7	LAN	1 x RJ45 10/100/1000 Gigabit LAN		
8	USB	USB3.0x 4 ports,		

9	Type C port	1 x Type C		
10	Display Port	DP / HDMI /Rear 80 Pin Support 4K60Hz		
11	Audio	AUDIO IN + OUT		
12	WLAN	802.11bgn+BT		
13	Socket Pin	JAE 80 Pin (1 x HDMI 2.0 out, 3 x USB2.0/3.0, TTL)		
14	Power	19v5AMP DC IN		
15	OS	Windows 11 Professional		
16	Certifications	CE,FCC,ROHS, ISO 9001, ISO 14001		
17	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Visualiser

Qty.			74 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capture Size	A4 & above		
2	Image Sensor	5.0 Mega Pixels CMOS		
3	Capture Speed	Instantaneous		
4	Image Input	24 bit		
5	Light Source	Natural + LED Light		
6	OCR	More Than 180 Language		
7	System Requirements	Windows		
8	Customization	SDK, API and Twain Available		
9	Resolution	2592X1944		
10	Picture Format	JPG/ TIF/ PDF/ BMP/ TGA/ PCX/ PNG/ RAS		
11	Interface	USB 2.0		
12	Dimensions	Folded Size: 77X78X250mm; Working Size: 270X78X332mm		
13	Image Processing	Brightness, Contrast, Sharpness, Saturation, Gamma, Rotation, Mirroring, etc		
14	Packaging Details	Document Scanner, CD-ROM, Presentation Pad, USB-Cable		

15	Manufacturer Certifications :	MAKE IN INDIA, ISO 9001 CERTIFIED, ISO 45001:2018, ISO 14001:2015, ISO 27001 CERTIFIED, UL, BIS, CE, FCC, ROHS COMPLIANT, CMMI Level3		
16	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Camera

Qty.			74 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Sensor	It Should have 1/2.7", CMOS sensor with 2.00MP & above		
2	FOV	It should have atleast 110 degrees or more field of view with 4x Digital Zoom		
3	Resolution	The system should support 1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps or better.		
4	Noise Reduction	It should support 2D and 3D Noise reduction.		
5	Interface	It should have a USB 2.0 or better interface		
6	Microphone	It should have Built in microphone array with omnidirectional pickup and pickup distance of 5 meters or more.		
7	White Balance	It should have Auto / Manual White Balance		
8	Color System	It should be YUY2 / H.264 / MJPEG.		
9	Power	It should be USB Powered		
10	USB Video	It should support UVC 1.0 or better.		
11	Certifications	It should have CE,FCC,RoHS Certification		
12	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Digital Amplifier

Qty.			74 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	75 WATTS WITH BUILT IN DIGITAL PLAYER, 4 MIC & 1 AUX INPUT, BUILT IN MP3 PLAYER WITH USB READER AND READER CONTROL, BLUETOOTH FACILITY LINE OUTPUT FOR CONNECTING TO A BOOSTER AMPLIFIER , CUT & BOOST TYPE BASS & TREBLE CONTROLS, INSTANT TRANSFER TO DC POWER (CAR BATTERY) IF AC POWER FAILS		
2	Power Output	100W Max., 75W RMS at 10% THD, 70W RMS at 5% THD		
3	Output Regulation	≤ 2 dB, no load to full load at 1kHz		
4	Input Channels	4 × Mic. 0.6mV/4.7kΩ, 1 × Aux 100mV/330kΩ		
5	Frequency Response	50-15,000Hz ±3dB		
6	Signal to Noise Ratio	55dB		
7	Tone Controls	Bass: -10dB +7dB at 100Hz, Treble: -10dB +7dB at 10kHz		
8	Outputs	Line: 1V/3.5kΩ		
9	Speaker Outputs	4Ω, 8Ω, 16Ω & 100V		
10	Digital Player	MP3 Player with USB, SD, MMC Card Reader & Bluetooth		
11	Power Supply	AC: 220-240V 50/60Hz, DC: 12-14V Car Battery		
12	Power Consumption	AC: 170VA DC: 3A		
13	Dimensions	W385 × H125 × D300 mm		
14	Weight	8.80kg		
15	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Speaker

Qty.			74 Pair	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	<p>30 WATTS - 2WAY COMPACT WALL SPEAKERS, High fidelity 2-Way speaker system in compact & attractive Black or White plastic housing. The suffix B & BT denote Black cabinet, and W & WT denote White cabinet. Ideal for various indoor and outdoor (under eaves) applications in Schools, Colleges, etc. Comprises of a Water Resistant PP coated cone Woofer, a Titanium Dome Tweeter and a 2-way Crossover Network. Low impedance 8Ω speakers. Use on 100V line with power taps of 30W, 20W, 15W, 10W & 5W. Easy power tap selection through a slotted rotary switch knob at the rear. 'U' type bracket for convenient & firm mounting of the wall speaker.</p>		
2	Power Rating	30W RMS/45W Max.		
3	Power Taps	30W, 30/20/15/10/5W		
4	Impedance/ Voltage	8Ω / 100V		
5	Frequency Response	75-20,000Hz		
6	SPL At 1khz (1W/1m)	87dB		
7	Speaker	Woofer 100mm (4"), Tweeter 25mm (1")		
8	Dimensions	W180 × H248 × D140 mm		
9	Weight	2.92kg		
10	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Microphone

Qty.			74 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	<p>WIRELESS Manual Hand Microphone, 1 Lapel Microphone, Dual Wireless Hand + Lapel (Collar) Microphone Compact, lightweight, Dual Channel VHF Wireless Microphone System available in different frequency groups. Ideal for: PA Applications... Stage & Auditoriums... Seminar Halls... Places of Worship... Recreation Centres... Internal antennas in the transmitter and two telescopic antennas in the Receiver for clear and distortion free reception. Combination of a handheld dynamic transmitter & a bodypack transmitter for a wide variety of applications. Audio output from receiver available at OUT 1 & OUT 2 individually and as mixed output at OUT 1 + 2. Receiver operates on 12V DC through an AC Adaptor supplied alongwith the system. Each transmitter operates with a 2×1.5V AA Pencil Cells. Transmitters have 2-position ON/OFF slide switch.</p>		
2	Form Factor	Wireless Handheld & Bodypack (Lapel)		
3	Power Source	Battery Powered		
4	Mounting Hardware	1 Hand Microphone, 1 Lapel Microphone, 2 Attaching Cables, 1 Power Adapter, 1 Receiver, Instruction Manual		
5	Type of Product	Wireless Microphone		
6	Modulation Mode	FM (F3E)		
7	Power Requirements	240V AC 50Hz for AC adaptor (supplied along with)		
8	Frequency	50-15,000Hz		
9	RF Output Power	15mW (Max.)		
10	Signal to Noise Ratio	> 80dB		
11	Controls	Transmitter ON/OFF Switch, Volume Control		
12	Indication	RED Light for indicating transmitter ON		

13	Weight	180g for Handheld & 60g for Bodypack		
14	Dimension	L248mm for Handheld & W67*H32*D95mm for Bodypack		
15	Frequency Stability	Quartz Crystal Controlled		
16	Receiving Method	Non-Diversity		
17	Receiver Antenna	Telescopic		
18	Receiver Indication	RED Light for indicating transmitter ON, GREEN Light for RF Reception		
19	Receiver Dimension	W230*H42*D150mm		
20	Receiver Weight	353g		
21	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Dongle

Qty.			74 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	SPEED	150 Mbps		
2	WIFI Compliance	802.11b/g/n, USB Interface, Advanced Nano Technology ,30 Mbps Wireless Adapters, USB Version : 2.0, WCDMA/HSPA/HSPA+ : Compliant with 3GPP TS 25.101(R8) WLAN Speed 802.11b: Upto 11 Mbit/s 802.11g : Upto 54Mbit/s 802.11n HT20: Support MCS0-MCS7; Upto 72.2 Mbit/s. HT40: Support MCS0-MCS7; Upto 100 Mbit/s. External Interfaces USB2.0 High Speed Standard USIM/SIm Card interface LED indicates the status of the product.		
3	Included Components	4G USB Modem, User Manual		
4	Wireless Type	802.11n, 802.11b, 802.11g		
5	Warranty	One Year Warranty From Service Center		
6	Color	White		
7	Weight	40 grams Max		
8	Dimensions	98 × 28 × 10 cm		

15	Manufacturer Certifications :	MAKE IN INDIA, ISO 9001 CERTIFIED, ISO 45001:2018, ISO 14001:2015, ISO 27001 CERTIFIED, UL, BIS, CE, FCC, ROHS COMPLIANT, CMMI Level3		
16	Warranty	Three (3) years warranty from OEM. OEM certificate should be submitted		

Minimum Specification of Internet Dada Service

Qty.			74 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	SPEED	5G/4G Network on Best effort Basis		
2	MONTHLY DATA DOWNLOAD LIMIT FOR 3 YEARS PERIOD	80 GB (Min.) per Month		

Minimum Technical Specification of Digital Content

Qty.		74 Nos.	
Sl. No.	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	<p>Provide all the subjects from 5 to 12th i.e., Math, Science, History, Civics, Geography, Economics, EVS, English. Bilingual audio —. Should have the content both in Bengali as well as English. Live Videos: Entire education is somehow connected to real lives.</p> <p>A-Multimedia Educational Content as per West Bengal Board of Secondary/Higher Secondary Council for all subjects with all chapters- Bilingual (Bengali and English). B-The multimedia educational content should be categorized class wise and subject wise. C- Content should be able to demonstrate proper concept clarity and teachers should be able to use it with easy process. The audio should be human/natural voice. D-Digital learning software should include multimedia, 2D,3D animations, videos, assessments etc E-Interactive: Multimedia contents should provide multiple interactions During the use of Multimedia Educational Content. There should have a facility whereby a teacher/student can stop at any point and restart after a pause from the same point on the topic. F- Instructor led videos for class 5' to 12th grade. G-Content should be offline. H-Content should be accessible on window platform. I- Laboratory/ Experimental Videos J-Device Management Solutions-Educational content usage utility software in order to access the exact usage of content in each smart Classroom. The utility software should generate subject wise, class wise and teacher wise usage report of each topic taught in the Smart Classroom. OEM of Digital Content company should have directly or indirectly (Through S.I.) supplied 250 units of Digital Content in the State of West Bengal in Last 3 Financial Year.</p>		

Cluster B
Minimum Technical Specification of 4K LED Interactive Touch Panel

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Display Panel Diagonal size	65 Inches or higher		
2	Resolution	3840 x 2160 (4K or Higher)		
3	Display Colour	1.07 Billion or Higher		
4	Brightness	≥450 cd/m ² or better		
5	Viewing Angle	±178 ° or better viewing angle		
6	Contrast ratio	1300:1		
7	Response Time	Not more than 8 ms		
8	Lifetime	50,000 hours or more		
9	Speakers	2 x 18 Watts or Higher		
10	Deployment of Touch Technology	Advanced Infrared		
11	Toughness of the touch glass	Toughened Glass with 7H Toughness or better		
12	Surface technology	Anti-Glare		
13	Touch accuracy	1mm or better		
14	Touch Points in Android & Windows	Minimum 40 simultaneous Touch Points		
15	Front Interface	HDMI in*1, USB touch*1, USB3.0*2, USB Type C*1		
16	Inputs	USB 2.0x3, Touch USB x2, HDMI IN x2, Audio in x1, USB 3.0 x1, RJ45 x1, RS232 x1		
17	Outputs	SPDIF out*1, Audio Out, HDMI Out*1		

18	CPU	Octa-core ARM Cortex Processor		
19	GPU	Mali G52 MP2 (4 Cores)		
20	Android version	Android 14.0 or Higher (With Playstore)		
21	Built-in Software:	Whiteboard, File manager, Screen mirroring, Chrome, Google play store, YouTube, WPS, Welcome Page, Settings, Calculator, User Manual, Float tool, Side tool bar, Screen recording, Wireless Content sharing, text recognition. AI features: handwriting and shape recognition (2D & 3D), custom shape creation with angle display, auto-correction, multi-lingual read aloud, translation, and content generation. AI brainstorming, topic analysis, and topic expansion tools for teaching support. AI-based content search with text, image, and video results; auto Q&A generation (Grade 1–12); AI simulations (subject and class-wise); interactive periodic table and 3D compound exploration. AI Chat Assistant for classroom support and teacher assistance. AI Image Generation, AI Simulation Generation, Essay creation, Meeting Minutes, Ideas generation. Classroom Summary and Lesson Summary generation features. NCERT in book content from Grade 1 to 12 and Option to add custom books with board-wise referred suggestions.		
22	Inbuilt WiFi	Dual WIFI (5G & 2.4G), Dual Hotspot (5G & 2.4G) or better		
23	Bluetooth	BT5.0 or better		
24	RAM	8 GB or Higher		
25	ROM	128 GB or Higher		
26	Certification	BIS (Indian) & ROHS certification. ISO 9001:2015, ISO 45001:2018, ISO 27001:2013, ISO 14001:2015 & E-Waste Certified Company. (Related certificate copy required)		
27	Warranty	Onsite - 3 Years or Higher.		

Pre-Qualification Criteria for OEM for Interactive Touch Panel:

1. OEM's Registered presence in India for more than 15 years (Certificate of incorporation required)
2. OEM's Average turnover in India of past 3 years should be more than INR 2000 Cr (CA certificate to be produced)
3. OEM must comply land border clause as per GRF Rule of Ministry of Finance, GoI (Declaration required in OEM's letterhead)
4. OEM's BIS must have manufacturing unit located in India. India's manufacturing unit must belong to the OEM or its

sister/subsidiary company or group company (BIS Copy required)

5. India manufacturing unit (either belonging to OEM or its sister/subsidiary company or group company) must have a valid factory license (Valid license copy under Section 6 of the Factories Act, 1948 to be submitted and a declaration required to establish the correlation between the OEM & its factory in India)
6. OEM should be registered on GeM and must have supplied at least 900 units of IFPDs in Government/PSU/Defence Department through GeM, either directly or through partners in the preceding 3 years (GeM PO copies to be submitted)
7. OEM must have tollfree number in India (Declaration to be provided mentioning the tollfree number)
8. The OEM must have the following certifications: BIS, ISO 9001, ISO 14001, ISO 45001, ISO 27001 and E-Waste Certified Company.

Minimum Technical Specification of UPS

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Feature	Minimum Specification	Specification(Quoted /Applicable-by the bidder)	Complied (Yes/No)
1	UPS Topology	Line-Interactive		
2	Voltage	220/230/240Vac		
3	Input Voltage Range	140Vac - 300Vac		
4	Input Frequency Range	40-70Hz		
5	Rated Input current	4.55A		
6	Plug Type	IN		
7	VA	1000		
8	Watts	600		
9	On Battery Waveform	Simulated Sine Wave		
10	On Battery Voltage	220/230/240Vac±10%		
11	Automatic Voltage Regulation (AVR)	Double Boost/Single Buck		
12	On Battery Frequency	50/60Hz ± 1%		
13	Outlets - Total	4		
14	Outlet Type	India		
15	Outlets - Battery Backup	4		
16	Transfer Time	4ms Typical		
17	Runtime at 60W (min)	60		
18	Runtime at 90W (min)	45		
19	Battery Type	Sealed Lead Acid		
20	Battery Quantity	2		
21	Typical Recharge Time	8 Hours		
22	Replacement Battery Pack Quantity	2		
23	LED Indicators	Power On, Using Battery		
24	Audible Alarms	On Battery, Low Battery, Overload, Fault		
25	Form Factor	Brick		
26	Operating Temperature	+ 32°F to 104° F / 0° C to 40° C		
27	Operating Humidity	0% - 90% non-condensing		

28	Storage Temperature	- 4°F to 122° F / -20° C to 50° C		
29	Storage Relative Humidity	0% - 90%		
30	Performance Test Report	Required from NTH (National Test House)		
31	Certificates	ISO & BIS		
32	Warranty	3 Years on UPS & 3 Years on Battery from date of supply.		
33	Service purpose	UPS OEM should have toll free number facilities for all type service call logging support.		
34	Criteria(s)	UPS OEM should have at least 7-10 own Service Centers (Where Spare & Parts stock available and UPS will repair instant) and own payroll 10-15 Service engineers in West Bengal for Service support.		
		UPS OEM should have single PO Copy & supplied 10000 Units in West Bengal Govt.project through System Integrator during last 5 (five) years.		
		UPS OEM should have 500 CR turnover consecutive last 3 financial Years		

Minimum Technical Specification of OPS

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Processor	It should have Intel 11 Gen Core- i5 processor or more		
2	Memory Slots	2 x SO-DIMM DDR4 MAX 32GB		
3	Memory	It should have 8GB DDR4 RAM		
4	Graphics	On Board Intel. UHD Graphics		
5	Storage Slots	2 x M.2 2280 SSD		
6	ROM / Storage memory	It should have memory storage of 512GB SSD or higher		
7	LAN	1 x RJ45 10/100/1000 Gigabit LAN		
8	USB	USB3.0x 4 ports,		

9	Type C port	1 x Type C		
10	Display Port	DP / HDMI /Rear 80 Pin Support 4K60Hz		
11	Audio	AUDIO IN + OUT		
12	WLAN	802.11bgn+BT		
13	Socket Pin	JAE 80 Pin (1 x HDMI 2.0 out, 3 x USB2.0/3.0, TTL)		
14	Power	19v5AMP DC IN		
15	OS	Windows 11 Professional		
16	Certifications	CE,FCC,ROHS, ISO 9001, ISO 14001		
17	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Visualiser

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capture Size	A4 & above		
2	Image Sensor	5.0 Mega Pixels CMOS		
3	Capture Speed	Instantaneous		
4	Image Input	24 bit		
5	Light Source	Natural + LED Light		
6	OCR	More Than 180 Language		
7	System Requirements	Windows		
8	Customization	SDK, API and Twain Available		
9	Resolution	2592X1944		
10	Picture Format	JPG/ TIF/ PDF/ BMP/ TGA/ PCX/ PNG/ RAS		
11	Interface	USB 2.0		
12	Dimensions	Folded Size: 77X78X250mm; Working Size: 270X78X332mm		
13	Image Processing	Brightness, Contrast, Sharpness, Saturation, Gamma, Rotation, Mirroring, etc		
14	Packaging Details	Document Scanner, CD-ROM, Presentation Pad, USB-Cable		

15	Manufacturer Certifications :	MAKE IN INDIA, ISO 9001 CERTIFIED, ISO 45001:2018, ISO 14001:2015, ISO 27001 CERTIFIED, UL, BIS, CE, FCC, ROHS COMPLIANT, CMMI Level3		
16	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Camera

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Sensor	It Should have 1/2.7", CMOS sensor with 2.00MP & above		
2	FOV	It should have atleast 110 degrees or more field of view with 4x Digital Zoom		
3	Resolution	The system should support 1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps or better.		
4	Noise Reduction	It should support 2D and 3D Noise reduction.		
5	Interface	It should have a USB 2.0 or better interface		
6	Microphone	It should have Built in microphone array with omnidirectional pickup and pickup distance of 5 meters or more.		
7	White Balance	It should have Auto / Manual White Balance		
8	Color System	It should be YUY2 / H.264 / MJPEG.		
9	Power	It should be USB Powered		
10	USB Video	It should support UVC 1.0 or better.		
11	Certifications	It should have CE,FCC,RoHS Certification		
12	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Digital Amplifier

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	75 WATTS WITH BUILT IN DIGITAL PLAYER , 4 MIC & 1 AUX INPUT, BUILT IN MP3 PLAYER WITH USB READER AND READER CONTROL, BLUETOOTH FACILITY LINE OUTPUT FOR CONNECTING TO A BOOSTER AMPLIFIER , CUT & BOOST TYPE BASS & TREBLE CONTROLS, INSTANT TRANSFER TO DC POWER (CAR BATTERY) IF AC POWER FAILS		
2	Power Output	100W Max., 75W RMS at 10% THD, 70W RMS at 5% THD		
3	Output Regulation	≤ 2 dB, no load to full load at 1kHz		
4	Input Channels	4 × Mic. 0.6mV/4.7kΩ, 1 × Aux 100mV/330kΩ		
5	Frequency Response	50-15,000Hz ±3dB		
6	Signal to Noise Ratio	55dB		
7	Tone Controls	Bass: -10dB +7dB at 100Hz, Treble: -10dB +7dB at 10kHz		
8	Outputs	Line: 1V/3.5kΩ		
9	Speaker Outputs	4Ω, 8Ω, 16Ω & 100V		
10	Digital Player	MP3 Player with USB, SD, MMC Card Reader & Bluetooth		
11	Power Supply	AC: 220-240V 50/60Hz, DC: 12-14V Car Battery		
12	Power Consumption	AC: 170VA DC: 3A		
13	Dimensions	W385 × H125 × D300 mm		
14	Weight	8.80kg		
15	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Speaker

Qty.			70 Pair	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	<p>30 WATTS - 2WAY COMPACT WALL SPEAKERS, High fidelity 2-Way speaker system in compact & attractive Black or White plastic housing. The suffix B & BT denote Black cabinet, and W & WT denote White cabinet. Ideal for various indoor and outdoor (under eaves) applications in Schools, Colleges, etc. Comprises of a Water Resistant PP coated cone Woofer, a Titanium Dome Tweeter and a 2-way Crossover Network. Low impedance 8Ω speakers. Use on 100V line with power taps of 30W, 20W, 15W, 10W & 5W. Easy power tap selection through a slotted rotary switch knob at the rear. 'U' type bracket for convenient & firm mounting of the wall speaker.</p>		
2	Power Rating	30W RMS/45W Max.		
3	Power Taps	30W, 30/20/15/10/5W		
4	Impedance/ Voltage	8Ω / 100V		
5	Frequency Response	75-20,000Hz		
6	SPL At 1khz (1W/1m)	87dB		
7	Speaker	Woofer 100mm (4"), Tweeter 25mm (1")		
8	Dimensions	W180 × H248 × D140 mm		
9	Weight	2.92kg		
10	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Microphone

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	<p>WIRELESS Manual Hand Microphone, 1 Lapel Microphone, Dual Wireless Hand + Lapel (Collar) Microphone Compact, lightweight, Dual Channel VHF Wireless Microphone System available in different frequency groups. Ideal for: PA Applications... Stage & Auditoriums... Seminar Halls... Places of Worship... Recreation Centres... Internal antennas in the transmitter and two telescopic antennas in the Receiver for clear and distortion free reception. Combination of a handheld dynamic transmitter & a bodypack transmitter for a wide variety of applications. Audio output from receiver available at OUT 1 & OUT 2 individually and as mixed output at OUT 1 + 2. Receiver operates on 12V DC through an AC Adaptor supplied alongwith the system. Each transmitter operates with a 2×1.5V AA Pencil Cells. Transmitters have 2-position ON/OFF slide switch.</p>		
2	Form Factor	Wireless Handheld & Bodypack (Lapel)		
3	Power Source	Battery Powered		
4	Mounting Hardware	1 Hand Microphone, 1 Lapel Microphone, 2 Attaching Cables, 1 Power Adapter, 1 Receiver, Instruction Manual		
5	Type of Product	Wireless Microphone		
6	Modulation Mode	FM (F3E)		
7	Power Requirements	240V AC 50Hz for AC adaptor (supplied along with)		
8	Frequency	50-15,000Hz		
9	RF Output Power	15mW (Max.)		
10	Signal to Noise Ratio	> 80dB		
11	Controls	Transmitter ON/OFF Switch, Volume Control		
12	Indication	RED Light for indicating transmitter ON		

13	Weight	180g for Handheld & 60g for Bodypack		
14	Dimension	L248mm for Handheld & W67*H32*D95mm for Bodypack		
15	Frequency Stability	Quartz Crystal Controlled		
16	Receiving Method	Non-Diversity		
17	Receiver Antenna	Telescopic		
18	Receiver Indication	RED Light for indicating transmitter ON, GREEN Light for RF Reception		
19	Receiver Dimension	W230*H42*D150mm		
20	Receiver Weight	353g		
21	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Dongle

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	SPEED	150 Mbps		
2	WIFI Compliance	802.11b/g/n, USB Interface, Advanced Nano Technology ,30 Mbps Wireless Adapters, USB Version : 2.0, WCDMA/HSPA/HSPA+ : Compliant with 3GPP TS 25.101(R8) WLAN Speed 802.11b: Upto 11 Mbit/s 802.11g : Upto 54Mbit/s 802.11n HT20: Support MCS0-MCS7; Upto 72.2 Mbit/s. HT40: Support MCS0-MCS7; Upto 100 Mbit/s. External Interfaces USB2.0 High Speed Standard USIM/Sim Card interface LED indicates the status of the product.		
3	Included Components	4G USB Modem, User Manual		
4	Wireless Type	802.11n, 802.11b, 802.11g		
5	Warranty	One Year Warranty From Service Center		
6	Color	White		
7	Weight	40 grams Max		
8	Dimensions	98 × 28 × 10 cm		

15	Manufacturer Certifications :	MAKE IN INDIA, ISO 9001 CERTIFIED, ISO 45001:2018, ISO 14001:2015, ISO 27001 CERTIFIED, UL, BIS, CE, FCC, ROHS COMPLIANT, CMMI Level3		
16	Warranty	Three (3) years warranty from OEM. OEM certificate should be submitted		

Minimum Specification of Internet Data Service

Qty.			70 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	SPEED	5G/4G Network on Best effort Basis		
2	MONTHLY DATA DOWNLOAD LIMIT FOR 3 YEARS PERIOD	80 GB (Min.) per Month		

Minimum Technical Specification of Digital Content

Qty.		70 Nos.	
Minimum Specification			
Sl. No.	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)

	<p>Provide all the subjects from 5 to 12th i.e., Math, Science, History, Civics, Geography, Economics, EVS, English. Bilingual audio —. Should have the content both in Bengali as well as English.</p> <p>Live Videos: Entire education is somehow connected to real lives.</p> <p>A-Multimedia Educational Content as per West Bengal Board of Secondary/Higher Secondary Council for all subjects with all chapters- Bilingual (Bengali and English).</p> <p>B-The multimedia educational content should be categorized class wise and subject wise.</p> <p>C- Content should be able to demonstrate proper concept clarity and teachers should be able to use it with easy process. The audio should be human/natural voice.</p> <p>D-Digital learning software should include multimedia, 2D,3D animations, videos, assessments etc</p> <p>E-Interactive: Multimedia contents should provide multiple interactions During the use of Multimedia Educational Content. There should have a facility whereby a teacher/student can stop at any point and restart after a pause from the same point on the topic. F- Instructor led videos for class 5' to 12th grade.</p> <p>G-Content should be offline.</p> <p>H-Content should be accessible on window platform. I- Laboratory/ Experimental Videos</p> <p>J-Device Management Solutions-Educational content usage utility software in order to access the exact usage of content in each smart Classroom.</p> <p>The utility software should generate subject wise, class wise and teacher wise usage report of each topic taught in the Smart Classroom.</p> <p>OEM of Digital Content company should have directly or indirectly (Through S.I.) supplied 250 units of Digital Content in the State of West Bengal in Last 3 Financial Year.</p>		
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Cluster C

Minimum Technical Specification of 4K LED Interactive Touch Panel

Qty.			72 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Display Panel Diagonal size	65 Inches or higher		
2	Resolution	3840 x 2160 (4K or Higher)		
3	Display Colour	1.07 Billion or Higher		
4	Brightness	≥450 cd/m ² or better		
5	Viewing Angle	±178 ° or better viewing angle		
6	Contrast ratio	1300:1		
7	Response Time	Not more than 8 ms		
8	Lifetime	50,000 hours or more		
9	Speakers	2 x 18 Watts or Higher		
10	Deployment of Touch Technology	Advanced Infrared		
11	Toughness of the touch glass	Toughened Glass with 7H Toughness or better		
12	Surface technology	Anti-Glare		
13	Touch accuracy	1mm or better		
14	Touch Points in Android & Windows	Minimum 40 simultaneous Touch Points		
15	Front Interface	HDMI in*1, USB touch*1, USB3.0*2, USB Type C*1		
16	Inputs	USB 2.0x3, Touch USB x2, HDMI IN x2, Audio in x1, USB 3.0 x1, RJ45 x1, RS232 x1		

17	Outputs	SPDIF out*1, Audio Out, HDMI Out*1		
18	CPU	Octa-core ARM Cortex Processor		
19	GPU	Mali G52 MP2 (4 Cores)		
20	Android version	Android 14.0 or Higher (With Playstore)		
21	Built-in Software:	Whiteboard, File manager, Screen mirroring, Chrome, Google play store, YouTube, WPS, Welcome Page, Settings, Calculator, User Manual, Float tool, Side tool bar, Screen recording, Wireless Content sharing, text recognition. AI features: handwriting and shape recognition (2D & 3D), custom shape creation with angle display, auto-correction, multi-lingual read aloud, translation, and content generation. AI brainstorming, topic analysis, and topic expansion tools for teaching support. AI-based content search with text, image, and video results; auto Q&A generation (Grade 1–12); AI simulations (subject and class-wise); interactive periodic table and 3D compound exploration. AI Chat Assistant for classroom support and teacher assistance. AI Image Generation, AI Simulation Generation, Essay creation, Meeting Minutes, Ideas generation. Classroom Summary and Lesson Summary generation features. NCERT in book content from Grade 1 to 12 and Option to add custom books with board-wise referred suggestions.		
22	Inbuilt WiFi	Dual WIFI (5G & 2.4G), Dual Hotspot (5G & 2.4G) or better		
23	Bluetooth	BT5.0 or better		
24	RAM	8 GB or Higher		
25	ROM	128 GB or Higher		
26	Certification	BIS (Indian) & ROHS certification. ISO 9001:2015, ISO 45001:2018, ISO 27001:2013, ISO 14001:2015 & E-Waste Certified Company. (Related certificate copy required)		
27	Warranty	Onsite - 3 Years or Higher.		

Pre-Qualification Criteria for OEM for Interactive Touch Panel:

1. OEM's Registered presence in India for more than 15 years (Certificate of incorporation required)

2. OEM's Average turnover in India of past 3 years should be more than INR 2000 Cr (CA certificate to be produced)
3. OEM must comply land border clause as per GRF Rule of Ministry of Finance, GoI (Declaration required in OEM's letterhead)
4. OEM's BIS must have manufacturing unit located in India. India's manufacturing unit must belong to the OEM or its sister/subsidiary company or group company (BIS Copy required)
5. India manufacturing unit (either belonging to OEM or its sister/subsidiary company or group company) must have a valid factory license (Valid license copy under Section 6 of the Factories Act, 1948 to be submitted and a declaration required to establish the correlation between the OEM & its factory in India)
6. OEM should be registered on GeM and must have supplied at least 900 units of IFPDs in Government/PSU/Defence Department through GeM, either directly or through partners in the preceding 3 years (GeM PO copies to be submitted)
7. OEM must have tollfree number in India (Declaration to be provided mentioning the tollfree number)
8. The OEM must have the following certifications: BIS, ISO 9001, ISO 14001, ISO 45001, ISO 27001 and E-Waste Certified Company.

Minimum Technical Specification of UPS

Qty.			72 Nos.	
Make				
Model				
Sl. No.	Feature	Minimum Specification	Specification(Quoted /Applicable-by the bidder)	Complied (Yes/No)
1	UPS Topology	Line-Interactive		
2	Voltage	220/230/240Vac		
3	Input Voltage Range	140Vac - 300Vac		
4	Input Frequency Range	40-70Hz		
5	Rated Input current	4.55A		
6	Plug Type	IN		
7	VA	1000		
8	Watts	600		
9	On Battery Waveform	Simulated Sine Wave		
10	On Battery Voltage	220/230/240Vac±10%		
11	Automatic Voltage Regulation (AVR)	Double Boost/Single Buck		
12	On Battery Frequency	50/60Hz ± 1%		
13	Outlets - Total	4		
14	Outlet Type	India		
15	Outlets - Battery Backup	4		
16	Transfer Time	4ms Typical		
17	Runtime at 60W (min)	60		
18	Runtime at 90W (min)	45		
19	Battery Type	Sealed Lead Acid		
20	Battery Quantity	2		
21	Typical Recharge	8 Hours		

	Time			
22	Replacement Battery Pack Quantity	2		
23	LED Indicators	Power On, Using Battery		
24	Audible Alarms	On Battery, Low Battery, Overload, Fault		
25	Form Factor	Brick		
26	Operating Temperature	+ 32°F to 104° F / 0° C to 40° C		
27	Operating Humidity	0% - 90% non-condensing		
28	Storage Temperature	- 4°F to 122° F / -20° C to 50° C		
29	Storage Relative Humidity	0% - 90%		
30	Performance Test Report	Required from NTH (National Test House)		
31	Certificates	ISO & BIS		
32	Warranty	3 Years on UPS & 3 Years on Battery from date of supply.		
33	Service purpose	UPS OEM should have toll free number facilities for all type service call logging support.		
34	Criteria(s)	UPS OEM should have at least 7-10 own Service Centers (Where Spare & Parts stock available and UPS will repair instant) and own payroll 10-15 Service engineers in West Bengal for Service support.		
		UPS OEM should have single PO Copy & supplied 10000 Units in West Bengal Govt.project through System Integrator during last 5 (five) years.		
		UPS OEM should have 500 CR turnover consecutive last 3 financial Years		

Minimum Technical Specification of OPS

Qty.			72 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Processor	It should have Intel 11 Gen Core- i5 processor or more		
2	Memory Slots	2 x SO-DIMM DDR4 MAX 32GB		
3	Memory	It should have 8GB DDR4 RAM		
4	Graphics	On Board Intel. UHD Graphics		

5	Storage Slots	2 x M.2 2280 SSD		
6	ROM / Storage memory	It should have memory storage of 512GB SSD or higher		
7	LAN	1 x RJ45 10/100/1000 Gigabit LAN		
8	USB	USB3.0x 4 ports,		
9	Type C port	1 x Type C		
10	Display Port	DP / HDMI /Rear 80 Pin Support 4K60Hz		
11	Audio	AUDIO IN + OUT		
12	WLAN	802.11bgn+BT		
13	Socket Pin	JAE 80 Pin (1 x HDMI 2.0 out, 3 x USB2.0/3.0, TTL)		
14	Power	19v5AMP DC IN		
15	OS	Windows 11 Professional		
16	Certifications	CE,FCC,ROHS, ISO 9001, ISO 14001		
17	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Visualiser

Qty.			72 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capture Size	A4 & above		
2	Image Sensor	5.0 Mega Pixels CMOS		
3	Capture Speed	Instantaneous		
4	Image Input	24 bit		
5	Light Source	Natural + LED Light		
6	OCR	More Than 180 Language		
7	System Requirements	Windows		
8	Customization	SDK, API and Twain Available		
9	Resolution	2592X1944		
10	Picture Format	JPG/ TIF/ PDF/ BMP/ TGA/ PCX/ PNG/ RAS		
11	Interface	USB 2.0		

12	Dimensions	Folded Size: 77X78X250mm; Working Size: 270X78X332mm		
13	Image Processing	Brightness, Contrast, Sharpness, Saturation, Gamma, Rotation, Mirroring, etc		
14	Packaging Details	Document Scanner, CD-ROM, Presentation Pad, USB-Cable		
15	Manufacturer Certifications :	MAKE IN INDIA, ISO 9001 CERTIFIED, ISO 45001:2018, ISO 14001:2015, ISO 27001 CERTIFIED, UL, BIS, CE, FCC, ROHS COMPLIANT, CMMI Level3		
16	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Camera

Qty.			72 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Sensor	It Should have 1/2.7", CMOS sensor with 2.00MP & above		
2	FOV	It should have atleast 110 degrees or more field of view with 4x Digital Zoom		
3	Resolution	The system should support 1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps or better.		
4	Noise Reduction	It should support 2D and 3D Noise reduction.		
5	Interface	It should have a USB 2.0 or better interface		
6	Microphone	It should have Built in microphone array with omnidirectional pickup and pickup distance of 5 meters or more.		
7	White Balance	It should have Auto / Manual White Balance		
8	Color System	It should be YUY2 / H.264 / MJPEG.		
9	Power	It should be USB Powered		
10	USB Video	It should support UVC 1.0 or better.		
11	Certifications	It should have CE,FCC,RoHS Certification		
12	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Digital Amplifier

Qty.			72 Nos..	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	75 WATTS WITH BUILT IN DIGITAL PLAYER , 4 MIC & 1 AUX INPUT, BUILT IN MP3 PLAYER WITH USB READER AND READER CONTROL, BLUETOOTH FACILITY LINE OUTPUT FOR CONNECTING TO A BOOSTER AMPLIFIER ,CUT & BOOST TYPE BASS & TREBLE CONTROLS, INSTANT TRANSFER TO DC POWER (CAR BATTERY) IF AC POWER FAILS		
2	Power Output	100W Max., 75W RMS at 10% THD, 70W RMS at 5% THD		
3	Output Regulation	≤ 2 dB, no load to full load at 1kHz		
4	Input Channels	4 × Mic. 0.6mV/4.7kΩ, 1 × Aux 100mV/330kΩ		
5	Frequency Response	50-15,000Hz ±3dB		
6	Signal to Noise Ratio	55dB		
7	Tone Controls	Bass: -10dB +7dB at 100Hz, Treble: -10dB +7dB at 10kHz		
8	Outputs	Line: 1V/3.5kΩ		
9	Speaker Outputs	4Ω, 8Ω, 16Ω & 100V		
10	Digital Player	MP3 Player with USB, SD, MMC Card Reader & Bluetooth		
11	Power Supply	AC: 220-240V 50/60Hz, DC: 12-14V Car Battery		
12	Power Consumption	AC: 170VA DC: 3A		
13	Dimensions	W385 × H125 × D300 mm		
14	Weight	8.80kg		
15	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Speaker

Qty.			72 Pair	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	<p>30 WATTS - 2WAY COMPACT WALL SPEAKERS, High fidelity 2-Way speaker system in compact & attractive Black or White plastic housing. The suffix B & BT denote Black cabinet, and W & WT denote White cabinet. Ideal for various indoor and outdoor (under eaves) applications in Schools, Colleges, etc. Comprises of a Water Resistant PP coated cone Woofer, a Titanium Dome Tweeter and a 2-way Crossover Network.</p> <p>Low impedance 8Ω speakers. Use on 100V line with power taps of 30W, 20W, 15W, 10W & 5W. Easy power tap selection through a slotted rotary switch knob at the rear. 'U' type bracket for convenient & firm mounting of the wall speaker.</p>		
2	Power Rating	30W RMS/45W Max.		
3	Power Taps	30W, 30/20/15/10/5W		
4	Impedance/ Voltage	8Ω / 100V		
5	Frequency Response	75-20,000Hz		
6	SPL At 1khz (1W/1m)	87dB		
7	Speaker	Woofer 100mm (4"), Tweeter 25mm (1")		
8	Dimensions	W180 × H248 × D140 mm		
9	Weight	2.92kg		
10	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Microphone

Qty.			72 Nos..	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	<p>WIRELESS Manual Hand Microphone, 1 Lapel Microphone, Dual Wireless Hand + Lapel (Collar) Microphone Compact, lightweight, Dual Channel VHF Wireless Microphone System available in different frequency groups. Ideal for: PA Applications... Stage & Auditoriums... Seminar Halls... Places of Worship... Recreation Centres... Internal antennas in the transmitter and two telescopic antennas in the Receiver for clear and distortion free reception. Combination of a handheld dynamic transmitter & a bodypack transmitter for a wide variety of applications. Audio output from receiver available at OUT 1 & OUT 2 individually and as mixed output at OUT 1 + 2. Receiver operates on 12V DC through an AC Adaptor supplied alongwith the system. Each transmitter operates with a 2×1.5V AA Pencil Cells. Transmitters have 2-position ON/OFF slide switch.</p>		
2	Form Factor	Wireless Handheld & Bodypack (Lapel)		
3	Power Source	Battery Powered		
4	Mounting Hardware	1 Hand Microphone, 1 Lapel Microphone, 2 Attaching Cables, 1 Power Adapter, 1 Receiver, Instruction Manual		
5	Type of Product	Wireless Microphone		
6	Modulation Mode	FM (F3E)		
7	Power Requirements	240V AC 50Hz for AC adaptor (supplied along with)		
8	Frequency	50-15,000Hz		
9	RF Output Power	15mW (Max.)		
10	Signal to Noise Ratio	> 80dB		
11	Controls	Transmitter ON/OFF Switch, Volume Control		
12	Indication	RED Light for indicating transmitter ON		

13	Weight	180g for Handheld & 60g for Bodypack		
14	Dimension	L248mm for Handheld & W67*H32*D95mm for Bodypack		
15	Frequency Stability	Quartz Crystal Controlled		
16	Receiving Method	Non-Diversity		
17	Receiver Antenna	Telescopic		
18	Receiver Indication	RED Light for indicating transmitter ON, GREEN Light for RF Reception		
19	Receiver Dimension	W230*H42*D150mm		
20	Receiver Weight	353g		
21	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Dongle

Qty.			72 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	SPEED	150 Mbps		
2	WIFI Compliance	802.1.1b/g/n, USB Interface, Advanced Nano Technology ,30 Mbps Wireless Adopters, USB Version : 2.0, WCDMA/HSPA/HSPA+ : Compliant with 3GPP TS 25.101 (R8) WLAN Speed 802.11b: Upto 11 Mbit/s 802.11g : Upto 54Mbit/s 802.11n HT20: Support MCS0-MCS7; Upto 72.2 Mbit/s. HT40: Support MCS0-MCS7; Upto 100 Mbit/s. External Interfaces USB2.0 High Speed Standard USIM/SIm Card interface LED indicates the status of the product.		
3	Included Components	4G USB Modem, User Manual		
4	Wireless Type	802.11n, 802.11b, 802.11g		
5	Warranty	One Year Warranty From Service Center		
6	Color	White		
7	Weight	40 grams Max	s	

8	Dimensions	98 × 28 × 10 cm		
15	Manufacturer Certifications :	MAKE IN INDIA, ISO 9001 CERTIFIED, ISO 45001:2018, ISO 14001:2015, ISO 27001 CERTIFIED, UL, BIS, CE, FCC, ROHS COMPLIANT, CMMI Level3		
16	Warranty	Three (3) years warranty from OEM. OEM certificate should be submitted		

Minimum Specification of Internet Dada Service

Qty.			72 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	SPEED	5G/4G Network on Best effort Basis		
2	MONTHLY DATA DOWNLOAD LIMIT FOR 3 YEARS PERIOD	80 GB (Min.) per Month		

Minimum Technical Specification of Digital Content

Qty.		72 Nos.	
Sl. No.	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)

	<p>Provide all the subjects from 5 to 12th i.e., Math, Science, History, Civics, Geography, Economics, EVS, English. Bilingual audio —. Should have the content both in Bengali as well as English.</p> <p>Live Videos: Entire education is somehow connected to real lives.</p> <p>A-Multimedia Educational Content as per West Bengal Board of Secondary/Higher Secondary Council for all subjects with all chapters- Bilingual (Bengali and English).</p> <p>B-The multimedia educational content should be categorized class wise and subject wise.</p> <p>C- Content should be able to demonstrate proper concept clarity and teachers should be able to use it with easy process. The audio should be human/natural voice.</p> <p>D-Digital learning software should include multimedia, 2D,3D animations, videos, assessments etc</p> <p>E-Interactive: Multimedia contents should provide multiple interactions During the use of Multimedia Educational Content. There should have a facility whereby a teacher/student can stop at any point and restart after a pause from the same point on the topic. F- Instructor led videos for class 5' to 12th grade.</p> <p>G-Content should be offline.</p> <p>H-Content should be accessible on window platform. I- Laboratory/ Experimental Videos</p> <p>J-Device Management Solutions-Educational content usage utility software in order to access the exact usage of content in each smart Classroom.</p> <p>The utility software should generate subject wise, class wise and teacher wise usage report of each topic taught in the Smart Classroom.</p> <p>OEM of Digital Content company should have directly or indirectly (Through S.I.) supplied 250 units of Digital Content in the State of West Bengal in Last 3 Financial Year.</p>		
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Cluster D
Minimum Technical Specification of 4K LED Interactive Touch Panel

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Display Panel Diagonal size	65 Inches or higher		
2	Resolution	3840 x 2160 (4K or Higher)		
3	Display Colour	1.07 Billion or Higher		
4	Brightness	≥450 cd/m ² or better		
5	Viewing Angle	±178 ° or better viewing angle		
6	Contrast ratio	1300:1		
7	Response Time	Not more than 8 ms		
8	Lifetime	50,000 hours or more		
9	Speakers	2 x 18 Watts or Higher		
10	Deployment of Touch Technology	Advanced Infrared		
11	Toughness of the touch glass	Toughened Glass with 7H Toughness or better		
12	Surface technology	Anti-Glare		
13	Touch accuracy	1mm or better		
14	Touch Points in Android & Windows	Minimum 40 simultaneous Touch Points		
15	Front Interface	HDMI in*1, USB touch*1, USB3.0*2, USB Type C*1		
16	Inputs	USB 2.0x3, Touch USB x2, HDMI IN x2, Audio in x1, USB 3.0 x1, RJ45 x1, RS232 x1		
17	Outputs	SPDIF out*1, Audio Out, HDMI Out*1		
18	CPU	Octa-core ARM Cortex Processor		

19	GPU	Mali G52 MP2 (4 Cores)		
20	Android version	Android 14.0 or Higher (With Playstore)		
21	Built-in Software:	Whiteboard, File manager, Screen mirroring, Chrome, Google play store, YouTube, WPS, Welcome Page, Settings, Calculator, User Manual, Float tool, Side tool bar, Screen recording, Wireless Content sharing, text recognition. AI features: handwriting and shape recognition (2D & 3D), custom shape creation with angle display, auto-correction, multi-lingual read aloud, translation, and content generation. AI brainstorming, topic analysis, and topic expansion tools for teaching support. AI-based content search with text, image, and video results; auto Q&A generation (Grade 1–12); AI simulations (subject and class-wise); interactive periodic table and 3D compound exploration. AI Chat Assistant for classroom support and teacher assistance. AI Image Generation, AI Simulation Generation, Essay creation, Meeting Minutes, Ideas generation. Classroom Summary and Lesson Summary generation features. NCERT in book content from Grade 1 to 12 and Option to add custom books with board-wise referred suggestions.		
22	Inbuilt WiFi	Dual WIFI (5G & 2.4G), Dual Hotspot (5G & 2.4G) or better		
23	Bluetooth	BT5.0 or better		
24	RAM	8 GB or Higher		
25	ROM	128 GB or Higher		
26	Certification	BIS (Indian) & ROHS certification. ISO 9001:2015, ISO 45001:2018, ISO 27001:2013, ISO 14001:2015 & E-Waste Certified Company. (Related certificate copy required)		
27	Warranty	Onsite - 3 Years or Higher.		

Pre-Qualification Criteria for OEM for Interactive Touch Panel:

1. OEM's Registered presence in India for more than 15 years (Certificate of incorporation required)
2. OEM's Average turnover in India of past 3 years should be more than INR 2000 Cr (CA certificate to be produced)
3. OEM must comply land border clause as per GRF Rule of Ministry of Finance, GoI (Declaration required in OEM's letterhead)
4. OEM's BIS must have manufacturing unit located in India. India's manufacturing unit must belong to the OEM or its sister/subsidiary company or group company (BIS Copy required)
5. India manufacturing unit (either belonging to OEM or its sister/subsidiary company or group company) must have a valid factory license (Valid license copy under Section 6 of the Factories Act, 1948 to be submitted and a declaration required to establish the correlation between the OEM & its factory in India)
6. OEM should be registered on GeM and must have supplied at least 900 units of IFPDs in Government/PSU/Defence Department through GeM, either directly or through partners in the preceding 3 years (GeM PO copies to be submitted)
7. OEM must have tollfree number in India (Declaration to be provided mentioning the tollfree number)
8. The OEM must have the following certifications: BIS, ISO 9001, ISO 14001, ISO 45001, ISO 27001 and E-Waste Certified Company.

Minimum Technical Specification of UPS

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Feature	Minimum Specification	Specification (Quoted / Applicable-by the bidder)	Complied (Yes/No)
1	UPS Topology	Line-Interactive		
2	Voltage	220/230/240Vac		
3	Input Voltage Range	140Vac - 300Vac		
4	Input Frequency Range	40-70Hz		
5	Rated Input current	4.55A		
6	Plug Type	IN		
7	VA	1000		
8	Watts	600		
9	On Battery Waveform	Simulated Sine Wave		
10	On Battery Voltage	220/230/240Vac ± 10%		
11	Automatic Voltage Regulation (AVR)	Double Boost/Single Buck		
12	On Battery Frequency	50/60Hz ± 1%		
13	Outlets - Total	4		
14	Outlet Type	India		
15	Outlets - Battery Backup	4		
16	Transfer Time	4ms Typical		
17	Runtime at 60W (min)	60		
18	Runtime at 90W (min)	45		
19	Battery Type	Sealed Lead Acid		
20	Battery Quantity	2		
21	Typical Recharge	8 Hours		

	Time			
22	Replacement Battery Pack Quantity	2		
23	LED Indicators	Power On, Using Battery		
24	Audible Alarms	On Battery, Low Battery, Overload, Fault		
25	Form Factor	Brick		
26	Operating Temperature	+ 32°F to 104° F / 0° C to 40° C		
27	Operating Humidity	0% - 90% non-condensing		
28	Storage Temperature	- 4°F to 122° F / -20° C to 50° C		
29	Storage Relative Humidity	0% - 90%		
30	Performance Test Report	Required from NTH (National Test House)		
31	Certificates	ISO & BIS		
32	Warranty	3 Years on UPS & 3 Years on Battery from date of supply.		
33	Service purpose	UPS OEM should have toll free number facilities for all type service call logging support.		
34	Criteria(s)	UPS OEM should have at least 7-10 own Service Centers (Where Spare & Parts stock available and UPS will repair instant) and own payroll 10-15 Service engineers in West Bengal for Service support.		
		UPS OEM should have single PO Copy & supplied 10000 Units in West Bengal Govt.project through System Integrator during last 5 (five) years.		
		UPS OEM should have 500 CR turnover consecutive last 3 financial Years		

Minimum Technical Specification of OPS

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Processor	It should have Intel 11 Gen Core- i5 processor or more		
2	Memory Slots	2 x SO-DIMM DDR4 MAX 32GB		
3	Memory	It should have 8GB DDR4 RAM		
4	Graphics	On Board Intel. UHD Graphics		

5	Storage Slots	2 x M.2 2280 SSD		
6	ROM / Storage memory	It should have memory storage of 512GB SSD or higher		
7	LAN	1 x RJ45 10/100/1000 Gigabit LAN		
8	USB	USB3.0x 4 ports,		
9	Type C port	1 x Type C		
10	Display Port	DP / HDMI /Rear 80 Pin Support 4K60Hz		
11	Audio	AUDIO IN + OUT		
12	WLAN	802.11bgn+BT		
13	Socket Pin	JAE 80 Pin (1 x HDMI 2.0 out, 3 x USB2.0/3.0, TTL)		
14	Power	19v5AMP DC IN		
15	OS	Windows 11 Professional		
16	Certifications	CE,FCC,ROHS, ISO 9001, ISO 14001		
17	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Visualiser

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capture Size	A4 & above		
2	Image Sensor	5.0 Mega Pixels CMOS		
3	Capture Speed	Instantaneous		
4	Image Input	24 bit		
5	Light Source	Natural + LED Light		
6	OCR	More Than 180 Language		
7	System Requirements	Windows		
8	Customization	SDK, API and Twain Available		
9	Resolution	2592X1944		
10	Picture Format	JPG/ TIF/ PDF/ BMP/ TGA/ PCX/ PNG/ RAS		
11	Interface	USB 2.0		

12	Dimensions	Folded Size: 77X78X250mm; Working Size: 270X78X332mm		
13	Image Processing	Brightness, Contrast, Sharpness, Saturation, Gamma, Rotation, Mirroring, etc		
14	Packaging Details	Document Scanner, CD-ROM, Presentation Pad, USB-Cable		
15	Manufacturer Certifications :	MAKE IN INDIA, ISO 9001 CERTIFIED, ISO 45001:2018, ISO 14001:2015, ISO 27001 CERTIFIED, UL, BIS, CE, FCC, ROHS COMPLIANT, CMMI Level3		
16	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Camera

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Sensor	It Should have 1/2.7", CMOS sensor with 2.00MP & above		
2	FOV	It should have atleast 110 degrees or more field of view with 4x Digital Zoom		
3	Resolution	The system should support 1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps or better.		
4	Noise Reduction	It should support 2D and 3D Noise reduction.		
5	Interface	It should have a USB 2.0 or better interface		
6	Microphone	It should have Built in microphone array with omnidirectional pickup and pickup distance of 5 meters or more.		
7	White Balance	It should have Auto / Manual White Balance		
8	Color System	It should be YUY2 / H.264 / MJPEG.		
9	Power	It should be USB Powered		
10	USB Video	It should support UVC 1.0 or better.		
11	Certifications	It should have CE,FCC,RoHS Certification		
12	Warranty	Three (3) years on-site comprehensive warranty from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Digital Amplifier

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	75 WATTS WITH BUILT IN DIGITAL PLAYER , 4 MIC & 1 AUX INPUT, BUILT IN MP3 PLAYER WITH USB READER AND READER CONTROL, BLUETOOTH FACILITY LINE OUTPUT FOR CONNECTING TO A BOOSTER AMPLIFIER , CUT & BOOST TYPE BASS & TREBLE CONTROLS, INSTANT TRANSFER TO DC POWER (CAR BATTERY) IF AC POWER FAILS		
2	Power Output	100W Max., 75W RMS at 10% THD, 70W RMS at 5% THD		
3	Output Regulation	≤ 2 dB, no load to full load at 1kHz		
4	Input Channels	4 × Mic. 0.6mV/4.7kΩ, 1 × Aux 100mV/330kΩ		
5	Frequency Response	50-15,000Hz ±3dB		
6	Signal to Noise Ratio	55dB		
7	Tone Controls	Bass: -10dB +7dB at 100Hz, Treble: -10dB +7dB at 10kHz		
8	Outputs	Line: 1V/3.5kΩ		
9	Speaker Outputs	4Ω, 8Ω, 16Ω & 100V		
10	Digital Player	MP3 Player with USB, SD, MMC Card Reader & Bluetooth		
11	Power Supply	AC: 220-240V 50/60Hz, DC: 12-14V Car Battery		
12	Power Consumption	AC: 170VA DC: 3A		
13	Dimensions	W385 × H125 × D300 mm		
14	Weight	8.80kg		
15	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Speaker

Qty.			84 Pair	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	<p>30 WATTS - 2WAY COMPACT WALL SPEAKERS, High fidelity 2-Way speaker system in compact & attractive Black or White plastic housing. The suffix B & BT denote Black cabinet, and W & WT denote White cabinet. Ideal for various indoor and outdoor (under eaves) applications in Schools, Colleges, etc. Comprises of a Water Resistant PP coated cone Woofer, a Titanium Dome Tweeter and a 2-way Crossover Network.</p> <p>Low impedance 8Ω speakers.</p> <p>Use on 100V line with power taps of 30W, 20W, 15W, 10W & 5W.</p> <p>Easy power tap selection through a slotted rotary switch knob at the rear. 'U' type bracket for convenient & firm mounting of the wall speaker.</p>		
2	Power Rating	30W RMS/45W Max.		
3	Power Taps	30W, 30/20/15/10/5W		
4	Impedance/ Voltage	8Ω / 100V		
5	Frequency Response	75-20,000Hz		
6	SPL At 1khz (1W/1m)	87dB		
7	Speaker	Woofer 100mm (4"), Tweeter 25mm (1")		
8	Dimensions	W180 × H248 × D140 mm		
9	Weight	2.92kg		
10	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Microphone

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Capacity	<p>WIRELESS Manual Hand Microphone, 1 Lapel Microphone, Dual Wireless Hand + Lapel (Collar) Microphone Compact, lightweight, Dual Channel VHF Wireless Microphone System available in different frequency groups. Ideal for: PA Applications... Stage & Auditoriums... Seminar Halls... Places of Worship... Recreation Centres... Internal antennas in the transmitter and two telescopic antennas in the Receiver for clear and distortion free reception. Combination of a handheld dynamic transmitter & a bodypack transmitter for a wide variety of applications. Audio output from receiver available at OUT 1 & OUT 2 individually and as mixed output at OUT 1 + 2. Receiver operates on 12V DC through an AC Adaptor supplied alongwith the system. Each transmitter operates with a 2×1.5V AA Pencil Cells. Transmitters have 2-position ON/OFF slide switch.</p>		
2	Form Factor	Wireless Handheld & Bodypack (Lapel)		
3	Power Source	Battery Powered		
4	Mounting Hardware	1 Hand Microphone, 1 Lapel Microphone, 2 Attaching Cables, 1 Power Adapter, 1 Receiver, Instruction Manual		
5	Type of Product	Wireless Microphone		
6	Modulation Mode	FM (F3E)		
7	Power Requirements	240V AC 50Hz for AC adaptor (supplied along with)		
8	Frequency	50-15,000Hz		
9	RF Output Power	15mW (Max.)		
10	Signal to Noise Ratio	> 80dB		
11	Controls	Transmitter ON/OFF Switch, Volume Control		

12	Indication	RED Light for indicating transmitter ON		
13	Weight	180g for Handheld & 60g for Bodypack		
14	Dimension	L248mm for Handheld & W67*H32*D95mm for Bodypack		
15	Frequency Stability	Quartz Crystal Controlled		
	Receiving Method	Non-Diversity		
17	Receiver Antenna	Telescopic		
18	Receiver Indication	RED Light for indicating transmitter ON, GREEN Light for RF Reception		
19	Receiver Dimension	W230*H42*D150mm		
20	Receiver Weight	353g		
21	Warranty	Three (3) years on-site comprehensive warranty including battery from OEM. OEM certificate should be submitted		

Minimum Technical Specification of Dongle

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	SPEED	150 Mbps		
2	WIFI Compliance	802.11b/g/n, USB Interface, Advanced Nano Technology ,30 Mbps Wireless Adapters, USB Version : 2.0, WCDMA/HSPA/HSPA+ : Compliant with 3GPP TS 25.101 (R8) WLAN Speed 802.11b: Upto 11 Mbit/s 802.11g : Upto 54Mbit/s 802.11n HT20: Support MCS0-MCS7; Upto 72.2 Mbit/s. HT40: Support MCS0-MCS7; Upto 100 Mbit/s. External Interfaces USB2.0 High Speed Standard USIM/SIm Card interface LED indicates the status of the product.		
3	Included Components	4G USB Modem, User Manual		
4	Wireless Type	802.11n, 802.11b, 802.11g		
5	Warranty	One Year Warranty From Service Center		
6	Color	White		
7	Weight	40 grams Max		
8	Dimensions	98 × 28 × 10 cm		

15	Manufacturer Certifications :	MAKE IN INDIA, ISO 9001 CERTIFIED, ISO 45001:2018, ISO 14001:2015, ISO 27001 CERTIFIED, UL, BIS, CE, FCC, ROHS COMPLIANT, CMMI Level3		
16	Warranty	Three (3) years warranty from OEM. OEM certificate should be submitted		

Minimum Specification of Internet Dada Service

Qty.			84 Nos.	
Make				
Model				
Sl. No.	Component	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	SPEED	5G/4G Network on Best effort Basis		
2	MONTHLY DATA DOWNLOAD LIMIT FOR 3 YEARS PERIOD	80 GB (Min.) per Month		

Minimum Technical Specification of Digital Content

Qty.		84 Nos.	
Minimum Specification		Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)

1	<p>Provide all the subjects from 5 to 12th i.e., Math, Science, History, Civics, Geography, Economics, EVS, English. Bilingual audio —. Should have the content both in Bengali as well as English.</p> <p>Live Videos: Entire education is somehow connected to real lives.</p> <p>A-Multimedia Educational Content as per West Bengal Board of Secondary/Higher Secondary Council for all subjects with all chapters- Bilingual (Bengali and English).</p> <p>B-The multimedia educational content should be categorized class wise and subject wise.</p> <p>C- Content should be able to demonstrate proper concept clarity and teachers should be able to use it with easy process. The audio should be human/natural voice.</p> <p>D-Digital learning software should include multimedia, 2D,3D animations, videos, assessments etc</p> <p>E-Interactive: Multimedia contents should provide multiple interactions During the use of Multimedia Educational Content. There should have a facility whereby a teacher/student can stop at any point and restart after a pause from the same point on the topic. F- Instructor led videos for class 5' to 12th grade.</p> <p>G-Content should be offline.</p> <p>H-Content should be accessible on window platform. I- Laboratory/Experimental Videos</p> <p>J-Device Management Solutions-Educational content usage utility software in order to access the exact usage of content in each smart Classroom.</p> <p>The utility software should generate subject wise, class wise and teacher wise usage report of each topic taught in the Smart Classroom.</p> <p>OEM of Digital Content company should have directly or indirectly (Through S.I.) supplied 250 units of Digital Content in the State of West Bengal in Last 3 Financial Year.</p>		
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WEBEL TECHNOLOGY LIMITED

- 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

Authorized Signatory (Signature In full): _____

Name and title of Signatory: _____

Stamp of the Company: _____

LIST OF SCHOOLS (TENTATIVE)

CLUSTER - A

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 16				
DISTRICT - South 24 Parganas				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	DHOSA C N C HIGH SCHOOL	JOYNAGAR - 1	19181506102	Existing Class Rooms are readily available.
2	KAIKHALI GOPALGANJ B.K.R.M INSTITUTION (HS)	KULTALI	19181902901	Existing Class Rooms are readily available.
3	TALDI SURABALA SIKSHAYATAN FOR GIRLS (H.S.)	CANNING - 1	19180908401	Existing Class Rooms are readily available.
4	ITKHOLA RAJNARAYAN HS	CANNING - 1	19180916104	Existing Class Rooms are readily available.
5	G N HARINARAYANI VIDYAPITH(H.S)	CANNING - 1	19180915902	Existing Class Rooms are readily available.
6	DARA ADARSHA BIDYAMANDIR (H.S)	JOYNAGAR - 2	19181610102	Existing Class Rooms are readily available.
7	RAIBAGHINI HIGH SCHOOL (HS)	CANNING - 1	19180911802	Existing Class Rooms are readily available.
8	D BARASAT S A HIGH SCHOOL	JOYNAGAR - 1	19181504702	Existing Class Rooms are readily available.

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PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 16				
DISTRICT - North 24 Parganas				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	THAKURNAGAR HIGH SCHOOL	GAIGHATA	19112206602	Existing Class Rooms are readily available.
2	SINDRANI SABITRI HIGH SCHOOL	BAGDAH	19112000603	Existing Class Rooms are readily available.
3	JOGESHGANJ HIGH SCHOOL (H.S.)	HINGALGANJ	19111510502	Existing Class Rooms are readily available.
4	BAMANPUKURIA S.M.M.HIGH SCHOOL	MINAKHAN	19111607802	Existing Class Rooms are readily available.
5	THAKURNAGAR BALIKA VIDYALAYA	GAIGHATA	19112206802	Existing Class Rooms are readily available.
6	JATRAGACHI PRANABANANDA HIGH SCHOOL(H.S.)	RAJARHAT	19110705401	Existing Class Rooms are readily available.
7	BAGDAH HIGH SCHOOL (H.S)	BAGDAH	19112007903	Existing Class Rooms are readily available.
8	HELENCHA HIGH SCHOOL	BAGDAH	19112013404	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Howrah				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	KASHMOLI NIGNA S.C. HIGH SCHOOL (H.S.)	AMTA-II	19160203504	Existing Class Rooms are readily available.
2	SIBERHANA HIGH SCHOOL(H.S.)	AMTA-I	19160115605	Existing Class Rooms are readily available.

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3	AMTA BALIKA VIDYALAYA	AMTA-I	19160110103	Existing Class Rooms are readily available.
4	JOARGORI UNION HIGH SCHOOL	ULUBERIA-II	19160700604	Existing Class Rooms are readily available.
5	KARATBERIA HIGH SCHOOL	ULUBERIA-II	19160708501	Existing Class Rooms are readily available.
6	BELKULAI C.K.A.C. VIDYAPITH	ULUBERIA-II	19160705002	Existing Class Rooms are readily available.
7	BANESWARPUR R.ANULIA U.HI. SCH	AMTA-I	19160106504	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Hooghly				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	HARISHCHAK HIGH SCHOOL	KHANAKUL-II	19121005403	Existing Class Rooms are readily available.
2	CHHATRASHAL RADHANAGAR BIRESWA	KHANAKUL-I	19120208404	Existing Class Rooms are readily available.
3	MOSTAFAPUR GANDHI HIGH SCHOOL	KHANAKUL-II	19121008305	Existing Class Rooms are readily available.
4	CHHANDRA HIGH SCHOOL(H.S)	ARAMBAGH	19120807005	Existing Class Rooms are readily available.
5	TINNA ILLAMPUR P.S. VIDYAMANDIR	PANDUA	19120508703	Existing Class Rooms are readily available.
6	SAORA UNION HIGH	GOGHAT-I	19121108004	Existing Class Rooms are readily available.
7	DAKSHIN RASULPUR HIGH SCHOOL	ARAMBAGH	19120806402	Existing Class Rooms are readily available.

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PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Paschim Bardhaman				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	UKHRA ADARSHA HINDI HIGH SCHOOL (H.S.)	ANDAL	19260103504	Existing Class Rooms are readily available.
2	J.K. NAGAR HIGH SCHOOL	RANIGANJ	19260706403	Existing Class Rooms are readily available.
3	KAJORA HIGH SCHOOL	ANDAL	19260113102	Existing Class Rooms are readily available.
4	KHAS KAJORA HIGH SCHOOL (H.S)	ANDAL	19260112402	Existing Class Rooms are readily available.
5	ICHAPUR N.C. HIGH SCHOOL	DURGAPUR-FARIDPUR	19260305001	Existing Class Rooms are readily available.
6	LAUDOHA K.T.B. INSTITUTION	DURGAPUR-FARIDPUR	19260308003	Existing Class Rooms are readily available.
7	BAIDYANATHPUR HIGH SCHOOL	PANDABESWAR	19260611902	Existing Class Rooms are readily available.

CLUSTER - B

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Jhargram				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	PANCHKAHANIA HIGH SCHOOL (H.S.)	GOPIBALLAVPUR-1	19230702103	Existing Class Rooms are readily available.
2	LALGARH SARADAMONI BALIKA VIDYALAYA (H.S.) UPRY.	BINPUR-1	19230307602	Existing Class Rooms are readily available.

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3	GURUMA JANARDAN SMRITI VIDYAPITH (H.S.) UPRY.	GOPIBALLAVPUR-2	19230901205	Existing Class Rooms are readily available.
4	BAITA SRI GOPAL HIGH SCHOOL UPRY.	BINPUR-1	19230305301	Existing Class Rooms are readily available.
5	BAKRA SHYAMA SMRITI VIDYAPITH (HS) U.PRY	GOPIBALLAVPUR-1	19230705602	Existing Class Rooms are readily available.
6	RANTUA HIGH SCHOOL U.PRY	GOPIBALLAVPUR-2	19230902904	Existing Class Rooms are readily available.
7	MAHAPAL SREE VIDYAPITH (HS)	GOPIBALLAVPUR-2	19230905803	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Paschim Medinipur				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	JHARBONI SARADAMONI BALIKA VIDYALAYA (H.S.) UPRY.	GARHBETA-1	19200314103	Existing Class Rooms are readily available.
2	BHAGABANTAPUR JS HIGH SCHOOL UPRY.	CHANDRAKONA-2	19201901101	Existing Class Rooms are readily available.
3	KALAGRAM SAHID KSHUDIRAM SMRITI VIDYAPITH (H.S.) UPRY.	KESHPUR	19200211102	Existing Class Rooms are readily available.
4	MUNDALIKA VIDYAPITH (HIGH SCHOOL) UPRY.	KESHPUR	19200203202	Existing Class Rooms are readily available.
5	TATARPUR HIGH SCHOOL U.PRY.	CHANDRAKONA-1	19201803001	Existing Class Rooms are readily available.
6	MAYTA HIGH SCHOOL U.PRY	GARHBETA-1	19200311102	Existing Class Rooms are readily available.
7	MANGALAPUR SARAT CHANDRA SIKSHANIKETAN	GARHBETA-1	19200312503	Existing Class Rooms are readily available.

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PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Purulia				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	BHAGABANDH HIGH SCHOOL (H.S)	PARA	19141408907	Existing Class Rooms are readily available.
2	JHAPRA HIGH SCHOOL (H.S.)	PARA	19141412403	Existing Class Rooms are readily available.
3	MANGALDA B.N. JEW. HIGH (H.S.) SCHOOL	RAGHUNTHPUR-II	19141905502	Existing Class Rooms are readily available.
4	CHHARRA HIGH SCHOOL (H.S)	PURULIA-II	19141706202	Existing Class Rooms are readily available.
5	PARA GIRLS HIGH SCHOOL (H.S.)	PARA	19141406504	Existing Class Rooms are readily available.
6	ICHHAR HIGH SCHOOL(H.S.)	RAGHUNTHPUR-II	19141902502	Existing Class Rooms are readily available.
7	BHAMURIA S.M.HIGH SCHOOL (H.S)	NETURIA	19141305102	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Bankura				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	HADAL NARAYANPUR H.S	PATRASAYER	19131407604	Existing Class Rooms are readily available.
2	PATRASAYER BAMIRA GURUDAS INSTITUTION	PATRASAYER	19131403806	Existing Class Rooms are readily available.
3	NABASON H.S	SONAMUKHI	19131810802	Existing Class Rooms are readily available.

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4	INDPUR SAROJINI GIRLS H.S	INDPUR	19130705303	Existing Class Rooms are readily available.
5	INDPUR GOENKA H.S	INDPUR	19130705302	Existing Class Rooms are readily available.
6	RAMPUR HIGH SCHOOL (H.S)	SONAMUKHI	19131804401	Existing Class Rooms are readily available.
7	BHEDUASOLE H.S	INDPUR	19130708202	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Purba Medinipur				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	HALUDBARI HIGH SCHOOL	KHEJURI -II	19191309901	Existing Class Rooms are readily available.
2	KASARIA HIGH SCHOOL (SC)	KHEJURI -II	19191303609	Existing Class Rooms are readily available.
3	KHEJURI JANAKALYAN SIKSHASADAN(H.S.)	KHEJURI -II	19191305002	Existing Class Rooms are readily available.
4	MOYNA S.S.Y. K. VIDYAPITH	MOYNA	19190109502	Existing Class Rooms are readily available.
5	ISMALICHAK M.Y.S.B. VIDYALAYA	MOYNA	19190115201	Existing Class Rooms are readily available.
6	KHEJURI G.B. VIDYANIKETAN (H.S)	KHEJURI -II	19191304802	Existing Class Rooms are readily available.
7	MIRJANAGAR ARONGKIARANA J. S. VIDYAPITH	MOYNA	19190114501	Existing Class Rooms are readily available.

CLUSTER - C

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PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Nadia				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	BAGULA PURBAPARA HIGH SCHOOL	HANSKHALI	19101211705	Existing Class Rooms are readily available.
2	BAHIRGACHI HIGH SCHOOL (HS)	RANAGHAT - II	19101402103	Existing Class Rooms are readily available.
3	DUTTAPULIA UNION ACADEMY FOR GIRLS H.S	RANAGHAT - II	19101405503	Existing Class Rooms are readily available.
4	DUTTAPULIA UNION ACADEMY	RANAGHAT - II	19101404703	Existing Class Rooms are readily available.
5	FULIA BALIKA VIDYALAYA	SANTIPUR	19101510602	Existing Class Rooms are readily available.
6	DEBNATHPUR SARAT SARKAR HIGH SCHOOL (H.S.)	TEHATTA - I	19100809703	Existing Class Rooms are readily available.
7	CHOWGACHHA PANUGOPAL HIGH SCHOOL	CHAKDAH	19101624203	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 16				
DISTRICT - Murshidabad				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	SRIKANTABATI P.S.S. SIKSHANIKETAN	RAGHUNATHGANJ-I	19072501702	Existing Class Rooms are readily available.
2	BARALA RAM DAS SEN HIGH SCHOOL	RAGHUNATHGANJ-I	19072504201	Existing Class Rooms are readily available.
3	MANDRA A.K. HIGH SCHOOL	BARWAN	19070402503	Existing Class Rooms are readily available.

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4	GURAH PASHLA SRIPATI KONGER SIKSHANIKETAN	NABAGRAM	19071411103	Existing Class Rooms are readily available.
5	ANDULIA S.S. HIGH SCHOOL	BARWAN	19070403205	Existing Class Rooms are readily available.
6	JIBANTITALA HIGH SCHOOL	NABAGRAM	19071401103	Existing Class Rooms are readily available.
7	BARWAN N.S. HIGH SCHOOL	BARWAN	19070400203	Existing Class Rooms are readily available.
8	NABAGRAM HIGH SCHOOL	NABAGRAM	19071414001	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Malda				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	LAKSHMIPUR HIGH SCHOOL (H.S)	KALIACHAK-3	19060612301	Existing Class Rooms are readily available.
2	CHAR SUJAPUR HIGH SCHOOL (H.S)	KALIACHAK-3	19060609202	Existing Class Rooms are readily available.
3	MANIKORA HIGH SCHOOL(H.S.)	HABIBPUR	19061400102	Existing Class Rooms are readily available.
4	SHYAM SUKHI BALIKA SHIKSHA NIKETAN	GAZOLE	19061508201	Existing Class Rooms are readily available.
5	KUMBHIRA HIGH SCHOOL	KALIACHAK-3	19060608801	Existing Class Rooms are readily available.
6	RISHIPUR HIGH SCHOOL	HABIBPUR	19061400103	Existing Class Rooms are readily available.
7	AMTALA NANDITOLA HIGH SCHOOL	MANIKCHAK	19060706501	Existing Class Rooms are readily available.

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PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Birbhum				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	MITRABHUM HIGH SCHOOL	NALHATI-I	19081601703	Existing Class Rooms are readily available.
2	NALHATI VIVEKANANDA VIDYAPI(H)	NALHATI-I	19081608103	Existing Class Rooms are readily available.
3	KOTASUR HIGH SCHOOL	MAYURESWAR-II	19081901103	Existing Class Rooms are readily available.
4	BIPRATIKURI HIGH SCHOOL	LABPUR	19080407604	Existing Class Rooms are readily available.
5	MOHURAPUR HIGH SCHOOL (H.S)	MURARAI-I	19081403503	Existing Class Rooms are readily available.
6	SONARKUNDU SHYAMAPRASANNA HIGH	NALHATI-I	19081605603	Existing Class Rooms are readily available.
7	LOKEPARA HIGH SCHOOL	MAYURESWAR-II	19081907204	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Purba Bardhaman				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	PARULIA KULAKAMINI HIGH SCHOOL	PURBASTHALI-II	19252105002	Existing Class Rooms are readily available.
2	RAMNAGAR HIGH SCHOOL	AUSGRAM-II	19250206103	Existing Class Rooms are readily available.
3	MANKAR HIGH SCHOOL	GALSI-I	19250602401	Existing Class Rooms are readily available.

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4	AUSGRAM HIGH SCHOOL	AUSGRAM-I	19250100906	Existing Class Rooms are readily available.
5	BAIDYADANGA GIRLS' HIGH SCHOOL	MEMARI-I	19251611302	Existing Class Rooms are readily available.
6	KASBA R.R.V.M.HIGH SCHOOL (H.S.)	GALSI-I	19250604604	Existing Class Rooms are readily available.
7	BARSUL C.D.P. HIGH SCHOOL	BURDWAN-II	19250505802	Existing Class Rooms are readily available.

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PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Jalpaiguri				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	SAHUDANGI HAT P.K.ROY HIGH SCHOOL (H.S.)	RAJGANJ	19021307401	Existing Class Rooms are readily available.
2	BHOTEPATY H. B. L. H.S SCHOOL	MAYNAGURI	19021109702	Existing Class Rooms are readily available.
3	VIDYASHRAM D.V. HIGH SCHOOL (XII)	DHUPGURI	19020314101	Existing Class Rooms are readily available.
4	GADHEYARKUTHI HIGH SCHOOL XII	DHUPGURI	19020307602	Existing Class Rooms are readily available.
5	NILKANTA PAUL HIGH SCHOOL	MAYNAGURI	19021118302	Existing Class Rooms are readily available.
6	JALPESH L/K HIGH SCHOOL (HS)	MAYNAGURI	19021108302	Existing Class Rooms are readily available.
7	KACHUA BOALMARI HIGH SCHOOL	JALPAIGURI SADAR	19020513004	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT
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NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Dakshin Dinajpur				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	SUKDEVPUR S.C. HIGH SCHOOL	GANGARAMPUR	19050308201	Existing Class Rooms are readily available.
2	KACHRA HIGH SCHOOL(H.S.)	KUSHMONDI	19050804502	Existing Class Rooms are readily available.
3	KUSHMANDI HIGH SCHOOL	KUSHMONDI	19050800102	Existing Class Rooms are readily available.
4	NAYABAZAR HIGH SCHOOL(H.S.)	GANGARAMPUR	19050303702	Existing Class Rooms are readily available.
5	KARDAHA HIGH SCHOOL	TAPAN	19050712803	Existing Class Rooms are readily available.
6	KHAGAIL T.N.S HIGH SCHOOL	KUSHMONDI	19050803403	Existing Class Rooms are readily available.
7	MAHIPAL HIGH SCHOOL	KUSHMONDI	19050808302	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Alipurduar				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	JATESWAR HIGH SCHOOL(H.S.)	FALAKATA	19220402503	Existing Class Rooms are readily available.
2	KAMAKHYAGURI HIGH SCHOOL(XII)	KUMARGRAM	19220711301	Existing Class Rooms are readily available.
3	KAMAKHYAGURI GIRLS' HIGH SCHOOL (XII)	KUMARGRAM	19220710802	Existing Class Rooms are readily available.
4	SALKUMAR HAT HIGH SCHOOL	ALIPURDUAR-I	19220108602	Existing Class Rooms are readily available.

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5	TAPSIKHATA HIGH SCHOOL	ALIPURDUAR-I	19220102302	Existing Class Rooms are readily available.
6	MAIRARDANGA GOPPU MEMORIAL	FALAKATA	19220407006	Existing Class Rooms are readily available.
7	BARABISHA HIGH SCHOOL(H.S)	KUMARGRAM	19220707302	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Coochbehar				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	GOSAIRHAT HIGH SCHOOL	SITALKUCHI	19031005301	Existing Class Rooms are readily available.
2	DALANATH HIGH SCHOOL	MATHABHANGA-I	19031107801	Existing Class Rooms are readily available.
3	UCHALPUKRI K. U. HIGH SCHOOL	MEKHLIGANJ	19030601902	Existing Class Rooms are readily available.
4	UPONCHOWKI HIGH SCHOOL(HS)	MEKHLIGANJ	19030609102	Existing Class Rooms are readily available.
5	HAZRAHAT HARISH CHANDRA HIGH SCHOOL	MATHABHANGA-I	19031105401	Existing Class Rooms are readily available.
6	NISHIMOYEE HIGH SCHOOL	MATHABHANGA-II	19031205901	Existing Class Rooms are readily available.
7	SITALKHUCHI GOPINATH HIGH SCHOOL	SITALKUCHI	19031013001	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Uttar Dinajpur				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability

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1	MAHARAJAHAT HIGH SCHOOL (H.S.)	RAIGANJ	19040321302	Existing Class Rooms are readily available.
2	DWARIN HIGH SCHOOL	KARANDIGHI	19040714101	Existing Class Rooms are readily available.
3	KARANDIGHI HIGH SCHOOL	KARANDIGHI	19040714203	Existing Class Rooms are readily available.
4	SUBHASGANJ HIGH SCHOOL	RAIGANJ	19040310203	Existing Class Rooms are readily available.
5	BINDOLE HIGH SCHOOL	RAIGANJ	19040305004	Existing Class Rooms are readily available.
6	RASAKHOWA HIGH SCHOOL (H.S)	KARANDIGHI	19040710401	Existing Class Rooms are readily available.
7	DEBINAGAR KAILASH CHANDRA RADHARANI VIDYAPITH (HS)	RAIGANJ	19040314002	Existing Class Rooms are readily available.

PROJECT: SMART CLASS ROOMS(2 No's) UNDER BACKWARD CLASSES WELFARE DEPARTMENT				
NO OF SMART CLASSES @2 PER SCHOOL- 14				
DISTRICT - Darjeeling-Siliguri				
Sl. No.	School Name	Block Name	UDISE Code	Class Room availability
1	TARAKNATH SINDURBALA BALIKA VIDYALAYA	KHORIBARI	19210201001	Existing Class Rooms are readily available.
2	NAND PRASAD HIGH SCHOOL	NAXALBARI	19210302302	Existing Class Rooms are readily available.
3	MATIGARA HARASUNDAR H.S.	MATIGARA	19210103202	Existing Class Rooms are readily available.
4	ISWAR CHANDRA VIDYASAGAR HIGH SCHOOL (H.S.)	NAXALBARI	19210305501	Existing Class Rooms are readily available.
5	SHYAMDHANJOTE HIGH SCHOOL(H.S)	KHORIBARI	19210200401	Existing Class Rooms are readily available.

WEBEL TECHNOLOGY LIMITED

6	ATHARAKHAI BALIKA VIDYALAYA	MATIGARA	19210102702	Existing Class Rooms are readily available.
7	MATIGARA BALIKA VIDYALAYA	MATIGARA	19210104602	Existing Class Rooms are readily available.

List of Zones

The Clusters/Zones are as follows:

CLUSTER - A

Comprising Districts	Appox. Number of Schools
South24-Parganas ,North 24-Parganas, Howrah, Hooghly,Paschim Bardhaman	37

CLUSTER - B

Comprising Districts	Appox. Number of Schools
Jhargram,Paschim Medinipur, Purulia, Bankura, Purba Medinipur	35

CLUSTER - C

Comprising Districts	Appox. Number of Schools
Nadia, Murshidabad,Malda,Birbhum, Purba Bardhaman	36

CLUSTER - D

Comprising Districts	Appox. Number of Schools
Jalpaiguri, Dakshin Dinajpur,Alipurduar, Coochbehar, Uttar Dinajpur, Darjeeling (Siliguri)	42

Note:

- Details of Clusters are given above.
- Bidder has to quote in all items in all Clusters.
- If the H1 bidder is the same for more than two clusters, then the H2 bidder will be invited to match the H1 bidder's price of the remaining clusters and the process will continue till unique H1 is derived for the remaining two clusters.
- This implies that not one particular bidder will be awarded more than two clusters.
- BCWD has the right to make any change to alter the school or change in quantity in any district or cluster during the tendering process.