

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



Ministry of Economic Development, Transport and Trade
Male', Republic of Maldives

މިނިސްޓްރީ އޮފް ޔެކޮނޮމިކް ޖެޔްޔުވަރުކަން، ޓްރާންޕޯޓް ޔަން ޓްރޭޑް
މާލެ، ރިޕުބލިކް އޮފް ދިވެހިރާއްޖެ

**SHOPPING FOR DIGITAL LEARNING CENTER FOR TRADIAN
(NSW): SUPPLY, INSTALLATION, CONFIGURATION,
INTEGRATION, TESTING, AND COMMISSIONING OF A
TRAINING ROOM TECHNOLOGY SOLUTION FOR MINDCO,
INCLUDING 1-YEAR 24/7 LOCAL TECHNICAL SUPPORT AND
ON-THE-JOB TRAINING**

for

Maldives Innovation & Digital Company Limited (MINDCo)

**ANNEX1-REQUEST FOR QUOTATION
(RFQ)**

Source of Funding: ADB Loan 3794 – MLD and ADB Grant 0646 – MLD

RFQ Ref: RFQ/2026/005

**South Asia Subregional Economic Cooperation
National Single Window Project**



ANNEX 1

SECTION A

SCOPE OF WORK

Under the National Single Window (NSW) digital initiative, Maldives Innovation and Digital Company (MINDCo) intends to establish a Digital Learning Center to support capacity building and knowledge development.

This Request for Proposal (RFP) invites qualified and experienced vendors to submit proposals for the **SUPPLY, INSTALLATION, CONFIGURATION, INTEGRATION, TESTING, AND COMMISSIONING OF A TRAINING ROOM TECHNOLOGY SOLUTION FOR MINDCO**. The scope includes the provision of integrated audio-visual systems, conferencing solutions, computing equipment, network infrastructure, and associated furniture, together with **local technical support for a period of one (1) year** and on-the-job training for designated personnel.

The selected supplier shall be a reputable and experienced systems integrator with demonstrated expertise in delivering and maintaining similar integrated IT and AV solutions.

Vendors are expected to propose a fully integrated, high-performance solution that ensures seamless interoperability, high availability, and an enhanced user experience, while minimizing system downtime and operational risks.

All hardware and software components shall be delivered, installed, tested, and commissioned in a fully functional, stable, and fault-free condition, to the satisfaction of the Client.



SECTION A
CLIENT REQUIREMENTS

#	Description / Specification
1	SUPPLY, INSTALLATION, CONFIGURATION, INTEGRATION, TESTING, AND COMMISSIONING OF A TRAINING ROOM TECHNOLOGY SOLUTION FOR MINDCO, INCLUDING 1-YEAR 24/7 LOCAL TECHNICAL SUPPORT AND ON-THE-JOB TRAINING
1.1	SUPPLY OF HUAWEI IDEA HUB S3 86-INCH INTERACTIVE SMART BOARD AND ACCESSORIES
1.2	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for IDEA HUB S3
1.3	SUPPLY OF HUAWEI IDEA HUB BOARD 3 PRO – 86 INCHES AND ACCESSORIES
1.4	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for BOARD 3 PRO
1.5	SUPPLY OF 24-INCH CEILING MICROPHONE ARRAY AND ACCESSORIES
1.6	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for MICROPHONE ARRAY
1.7	SUPPLY OF WIRELESS MICROPHONE SYSTEM 4-CHANNEL AND ACCESSORIES
1.8	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for MICROPHONE SYSTEM
1.9	SUPPLY OF NETWORKED CEILING LOUDSPEAKERS AND ACCESSORIES
1.10	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for CEILING LOUDSPEAKERS
1.11	SUPPLY OF DANTE-NETWORKED AUDIO-CONFERENCING PROCESSOR AND ACCESSORIES
1.12	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for CONFERENCING PROCESSOR
1.13	SUPPLY OF ULTRA-COMPACT AI COMPUTING APPLIANCE AND ACCESSORIES



-4-

#	Description / Specification
1.14	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for AI COMPUTING APPLIANCE
1.15	SUPPLY OF PROFESSIONAL 14-INCH LAPTOP AND ACCESSORIES
1.16	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for PROFESSIONAL LAPTOP
1.17	SUPPLY OF HUAWEI 24-PORT FULLY MANAGED LAYER 2+ POE+ NETWORK SWITCH AND ACCESSORIES
1.18	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING for NETWORK SWITCH
1.19	PROFESSIONAL SERVICES: INTEGRATION, TRAINING, TESTING AND DOCUMENTATION
1.20	SUPPLY OF TRAINING TABLES AND STACKABLE MULTIPURPOSE CHAIRS



SECTION B

TECHNICAL REQUIREMENTS

#	Description / Specification	Qty
1	SUPPLY, INSTALLATION, CONFIGURATION, INTEGRATION, TESTING, AND COMMISSIONING OF A TRAINING ROOM TECHNOLOGY SOLUTION FOR MINDCO, INCLUDING 1-YEAR 24/7 LOCAL TECHNICAL SUPPORT AND ON-THE-JOB TRAINING	1 Lot
1.1	SUPPLY OF HUAWEI IDEA HUB S3 86-INCH INTERACTIVE SMART BOARD	1 Bundle
1.1.1	<p>Screen</p> <ul style="list-style-type: none"> • Display size: 86 inch • Resolution: 4K • Backlight type: D-LED • Screen lamination: Zero-gap bonding • Optical anti-blue light: Supported • Brightness: 350 nits • Touch points: 32 (HarmonyOS)/50 (Windows) • Touch Response time: ≤ 5 ms <p>Writing</p> <ul style="list-style-type: none"> • Latency: 16 ms • Touch sensing distance: ≤ 1.5 mm • Intelligent writing recognition: Supports intelligent recognition of texts and 11 types of graphics • Writing Method: finger and passive stylus input <p>Built-in Camera (4K intelligent dual-lens camera + 5x zoom)</p> <ul style="list-style-type: none"> • Zoom: 5x • Resolution: 4K 30 fps • Lenses: 1 x wide-angle + 1 x telephoto • TV distortion: < 2% • Aperture: Wide-angle: F1.8; telephoto: F1.85 • Horizontal field of view: Wide-angle: 80°, telephoto: 65° • Focus stability: Zero focus <p>Built-in Speaker</p> <ul style="list-style-type: none"> • Frequency domain: 60 Hz to 20 kHz • Number of speaker units: 2 x tweeters + 2 x full-range speakers + 1 x woofer • Total power: 70 W 	1 Nos



#	Description / Specification	Qty
	<p>Built-in Microphone</p> <ul style="list-style-type: none"> • Frequency domain: 100 Hz to 20 kHz • Quantity of Microphone Units: 24 • Sound pickup angle: 180° • Sound pickup distance: 15 m • De-reverberation: RT60 ≤1.5s • AI-powered noise removal: ≥ 300 types • Automatic gain control (AGC) • Acoustic echo cancellation (AEC) <p>Meeting</p> <ul style="list-style-type: none"> • Meeting Apps: Huawei Cloud Meeting SmartRooms • Meeting performance: <ul style="list-style-type: none"> ○ Huawei Cloud Meeting SmartRooms: 1080p 30 fps video + 1080p 30 fps/4K 8 fps content sharing <p>Smart Functions, Meeting Experience and Seamless Collaboration</p> <ul style="list-style-type: none"> • AI vision engine, reproducing true-to-life colors • BYOM, transfer meetings to the big screen • Cloud meeting, flexible app adaptation <ul style="list-style-type: none"> ○ Cloud Meeting: Delivers a 1080p HD. In OPS mode, various third-party meeting apps can be downloaded to cater to diverse customer needs. • Intelligent tracking <ul style="list-style-type: none"> ○ Intelligent speaker tracking: Automatically ○ Auto-Framing: Adjusts the image based on the number of participants for a panoramic view ○ Auto-Crop View: Intelligently divides participant video into 6 panes • Acoustic baffle • DNN-based dereverberation • Boundless Smooth Interaction <ul style="list-style-type: none"> ○ 9-pane projection: non-meeting mode ○ Work smarter with ultrasonic projection: Automatically, one-tap projection ○ Projection solution supports: <ul style="list-style-type: none"> ▪ IdeaShare app ▪ Seamless HarmonyOS support ▪ IdeaShare Key (Type-C/Type-A) ▪ Type-C/HDMI cable ▪ Miracast projection (should supports Android and Windows) • Seamless screen mirroring and control for a smarter office (Should provide IdeaShare app) • Smart Control 2.0: instant control, flawless precision <ul style="list-style-type: none"> ○ Pointing accuracy: < 3°@3 m ○ Operation response delay: < 0.06s 	



#	Description / Specification	Qty
	<p>Intelligent Whiteboard</p> <ul style="list-style-type: none"> • Smoother and smarter handwriting <ul style="list-style-type: none"> ○ AI handwriting prediction algorithm for a smooth writing experience ○ Intelligently recognizes English text, as well as shapes ○ Change colors, line thickness and more as you doodle away on screen ○ Save frequently used content to whiteboard favorites in just a tap ○ Add screenshots to the whiteboard w/just a tap in Multi-Window mode ○ Scan the QR code to save whiteboard content right away • Instant writing with stylus <ul style="list-style-type: none"> ○ Automatically enters annotation mode when the stylus touches the screen, allowing direct annotation on documents, images, web pages, and other interfaces. Handwritten marks - such as underlines, circles, and notes - are displayed in real time, improving efficiency. <p>System and Built-in Software</p> <ul style="list-style-type: none"> • CPU: 8 cores • RAM: 8GB • Flash: 128GB • Operating Systems with One-tap switching • Operating system: Huawei HarmonyOS • Operating system: Windows (OPS included item 1.1.2) <p>Connectivity and Ports</p> <ul style="list-style-type: none"> • Front-panel port: USB-C (full-function); USB-A ports • Side-panel port <ul style="list-style-type: none"> ○ HDMI input ○ HDMI output ○ 3.5 mm LINE IN and 3.5 mm LINE OUT ○ USB 3.0 ○ Type-C (fast charging supported) ○ LAN (RJ-45 Ethernet) • Wi-Fi module: Wi-Fi 6 (2.4 GHz + 5 GHz) + Bluetooth <p>OPS Module Slot</p> <ul style="list-style-type: none"> • Built-in OPS slot at the rear of the display for mounting an OPS compute module • Compatible with Windows OS OPS • OPS power supply: built-in (no external power adapter required) • Enables full Windows desktop experience directly on the display without external cabling <p>Comprehensive, Intelligent Operation and Management</p> <ul style="list-style-type: none"> • IdeaManager device management platform should remotely manages and controls multiple IdeaHubs • Remote management: 	



#	Description / Specification	Qty
	<ul style="list-style-type: none"> ○ Remote setting of the shutdown time in batches ○ Remote OTA update in batches ● Quick fault rectification <ul style="list-style-type: none"> ○ Inspection and fault alarm ○ Self-service diagnosis of typical faults ● Firmware and software updates ● Diagnostics and status reporting <p>Accessories</p> <ul style="list-style-type: none"> ● Stylus Pen: 2 ● Power Cable: 1 	
1.1.2	<p>Supply of Integrated Computing Unit (OPS) for the Interactive Smartboard</p> <ul style="list-style-type: none"> ● Processor: Intel Core i5-12450H ● Memory: DDR4 8GB RAM ● Storage: 256GB SSD ● Operating System: Windows 11 IoT Enterprise SAC ● Installation: Plug-and-play via OPS slot 	1 Nos
1.1.3	<p>Supply of Huawei IdeaShare Key (USB-C)</p> <ul style="list-style-type: none"> ● USB Type-C wireless screen-sharing dongle for one-click content projection ● Plug-and-play operation with no need to connect the presenting device to Wi-Fi ● Supports Windows, macOS, Android, iOS, and HarmonyOS devices ● Compatible with Huawei IdeaHub series and Huawei Box collaboration devices ● Dual-band Wi-Fi support (2.4 GHz / 5 GHz) with IEEE 802.11 a/b/g/n ● Client-mode wireless connection with up to 20 m transmission distance ● Projection resolution up to 1080p @ 60 fps without software installation ● Supports up to 4K @ 30 fps when IdeaShare software/app is installed ● Supports synchronized audio and video transmission ● 48 kHz dual-channel lossless audio projection ● AES-256 encrypted wireless transmission for secure content sharing ● WPA2-PSK authentication for network security ● Supports extended/dual-screen collaboration mode ● Powered via USB with 5V DC input 	2 Nos
1.1.4	<p>Supply of Huawei IHC IdeaHub Controller</p> <ul style="list-style-type: none"> ● Transmission distance: Straight-line distance \leq 8 m ● Transmission protocol: 2.4 GHz wireless transmission ● Number of buttons: 9 	1 Nos



#	Description / Specification	Qty
	<ul style="list-style-type: none"> Reverse Control: The previous page, next page, and wireless mouse function support reverse control Multi-Functional Laser Pointer Plug-and-Play 	
1.1.5	<p>Supply of Huawei Ideahub White Rolling Stand II (Mobile Floor Stand)</p> <ul style="list-style-type: none"> Type: Floor-standing mobile stand with lockable caster wheels Material: Powder-coated commercial-grade steel construction VESA compatibility: Must match the display's VESA mount pattern (800 × 600 mm for 86-inch) Cable management: Integrated cable routing to conceal power and data cables Stability: Sufficient base width and weight rating for safe, stable operation with an 86-inch display Castors: Minimum 4 lockable castors rated for the total display weight 	1 Nos
1.1.6	<p>Supply of Huawei Ideahub Wall Mount Bracket</p> <ul style="list-style-type: none"> Material: High-strength steel with powder-coated finish Type: Fixed wall mount Bracket Dimensions: 1170 mm × 210 mm × 30 mm 	1 Nos
1.1.7	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> Standard manufacturer 1 Year warranty. 8 hours × 5 days local technical support coverage Firmware update and patch management support during warranty period 	1 Svc
1.2	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle
1.2.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> Delivery of all supplied equipment to the designated installation site Unpacking, inspection, and inventory verification of all items against the delivery Coordination with the client for site access, scheduling, and readiness verification Verification that civil/electrical infrastructure (power outlets, conduit, ceiling access, rack space) is ready before installation commences Safe removal and disposal of all packaging materials from site 	1 Svc
1.2.2	<p>IdeaHub S3 86-inch Interactive Smart Board – Installation & Configuration</p> <ul style="list-style-type: none"> Assemble and position the mobile floor stand at the designated location; verify it is level and stable 	1 Svc



#	Description / Specification	Qty
	<ul style="list-style-type: none"> • Mount and securely fasten the Huawei IdeaHub S3 interactive display on the floor stand using manufacturer-approved hardware • Complete all required power provisioning for the IdeaHub S3 as part of the installation • Connect all power, network, HDMI, and USB cabling; neatly conceal and route cables through the stand's integrated cable management channel • Power on the IdeaHub S3 and complete initial boot, firmware update, and system configuration • Configure system language, time zone, regional settings, date/time, and user accounts • IdeaShare USB Type C Key connection to the board • Configure and test the integrated wireless screen sharing functionality, including browser-based and app-based projection • Configure integration with supported video conferencing platforms. (Microsoft Teams, Google Meet, Zoom, Cisco Webex) • Configure whiteboard, annotation, screen sharing, and BYOM (Bring Your Own Meeting) features • Pair and test the wireless remote control and stylus • Perform full functional testing of touch input, stylus performance, camera, microphone, speakers, and wireless projection • Final verification to ensure the Huawei IdeaHub S3 is fully operational and ready for end-user use 	
1.3	SUPPLY OF HUAWEI IDEA HUB BOARD 3 PRO – 86 INCHES	1 Bundle
1.3.1	<p>Screen</p> <ul style="list-style-type: none"> • Screen Size: 86 inches • Resolution: 4K • Backlight type: D-LED • Screen Lamination: Zero-gap bonding (Bezel Less) • Color gamut: 85% NTSC <p>Writing</p> <ul style="list-style-type: none"> • Latency: 16 ms • Content saving: QR code scanning/Email/Local storage/USB flash drive • Touch sensing distance: ≤ 1.5 mm • Intelligent writing recognition: Supports <p>Built-in Speaker</p> <ul style="list-style-type: none"> • Frequency domain: 100 Hz to 20 kHz • Number of speaker units: 4 • Total power: 30 W 	2 Nos

#	Description / Specification	Qty
	<p>Built-in Microphone</p> <ul style="list-style-type: none"> • Frequency domain: 100 Hz to 20 kHz • Quantity of Microphone: 6 • Sound pickup angle: 180° • Sound pickup distance: 10 m <p>Smart Functions and Seamless Collaboration</p> <ul style="list-style-type: none"> • Seamless Wi-Fi Direct projection, easy to use • Projection solution supports: <ul style="list-style-type: none"> ○ IdeaShare app ○ Seamless HarmonyOS support ○ IdeaShare Key (Type-C/Type-A) ○ Type-C/HDMI cable ○ Miracast projection (should supports Android and Windows) • Seamless screen mirroring and control for a smarter office (Should provide IdeaShare app) • Experience a seamless workflow <p>Intelligent Whiteboard</p> <ul style="list-style-type: none"> • Smoother and smarter handwriting <ul style="list-style-type: none"> ○ AI handwriting prediction algorithm for a smooth writing experience ○ Intelligently recognizes English text, as well as shapes ○ Change colors, line thickness and more as you doodle away on screen ○ Save frequently used content to whiteboard favorites in just a tap ○ Add screenshots to the whiteboard w/just a tap in Multi-Window mode ○ Scan the QR code to save whiteboard content right away <p>Dynamic bulletin board</p> <ul style="list-style-type: none"> • Unified management and scheduled push of activity advertisements and accurate to organizations and regions • Allows up to 50 images be played in carousel <p>System and Built-in Software</p> <ul style="list-style-type: none"> • CPU: 8 cores • RAM: 8GB • Flash: 64GB • Operating Systems with One-tap switchover • Operating system: Huawei HarmonyOS <p>Connectivity and Ports</p> <ul style="list-style-type: none"> • Front-panel port <ul style="list-style-type: none"> ○ USB Type-C (full-function); USB Type-A 3.0 ports • Side-panel port <ul style="list-style-type: none"> ○ HDMI input; HDMI output 	



#	Description / Specification	Qty
	<ul style="list-style-type: none"> ○ 3.5 mm LINE IN; 3.5 mm LINE OUT ○ USB Type-C; USB Type-A 3.0 ○ LAN (RJ-45 Ethernet) ● Wi-Fi module: Wi-Fi 5; Wi-Fi 6 (2.4 GHz + 5 GHz) <p>Comprehensive, Intelligent Operation and Management</p> <ul style="list-style-type: none"> ● IdeaManager device management platform should remotely manages and controls multiple IdeaHubs ● Remote management: <ul style="list-style-type: none"> ○ Remote setting of the shutdown time in batches ○ Remote OTA update in batches ● Quick fault rectification <ul style="list-style-type: none"> ○ Inspection and fault alarm ○ Self-service diagnosis of typical faults ● Firmware and software updates and Diagnostics and status reporting <p>Accessories</p> <ul style="list-style-type: none"> ● Stylus Pen: 2 ● Power Cable: 1 	
1.3.2	<p>IdeaShare Key (USB-C)</p> <ul style="list-style-type: none"> ● USB Type-C wireless screen-sharing dongle for one-click content projection ● Plug-and-play operation with no need to connect the presenting device to Wi-Fi ● Supports Windows, macOS, Android, iOS, and HarmonyOS devices ● Compatible with Huawei IdeaHub series and Huawei Box collaboration devices ● Dual-band Wi-Fi support (2.4 GHz / 5 GHz) with IEEE 802.11 a/b/g/n ● Client-mode wireless connection with up to 20 m transmission distance ● Projection resolution up to 1080p @ 60 fps without software installation ● Supports up to 4K @ 30 fps when IdeaShare software/app is installed ● Supports synchronized audio and video transmission ● 48 kHz dual-channel lossless audio projection ● AES-256 encrypted wireless transmission for secure content sharing ● WPA2-PSK authentication for network security ● Supports extended/dual-screen collaboration mode ● Powered via USB with 5V DC input 	2 Nos
1.3.3	<p>Supply of Huawei Ideahub White Rolling Stand II (Mobile Floor Stand)</p> <ul style="list-style-type: none"> ● Type: Floor-standing mobile stand with lockable caster wheels ● Material: Powder-coated commercial-grade steel construction ● VESA compatibility: Must match the display's VESA mount pattern (800 × 600 mm for 86-inch) ● Cable management: Integrated cable routing to conceal power and data cables 	2 Nos



#	Description / Specification	Qty
	<ul style="list-style-type: none"> Stability: Sufficient base width and weight rating for safe, stable operation with an 86-inch display Castors: Minimum 4 lockable castors rated for the total display weight 	
1.3.4	<p>Supply of Huawei Ideahub Wall Mount Bracket</p> <ul style="list-style-type: none"> Material: High-strength steel with powder-coated finish Type: Fixed wall mount Bracket Dimensions: 1170 mm × 210 mm × 30 mm 	2 Nos
1.3.5	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> Standard manufacturer 1 Year warranty. 8 hours × 5 days local technical support coverage Firmware update and patch management support during warranty period 	2 Svc
1.4	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle
1.4.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> Delivery of all supplied equipment to the designated installation site Unpacking, inspection, and inventory verification of all items against the delivery order Coordination with the client for site access, scheduling, and readiness verification Verification that civil/electrical infrastructure (power outlets, conduit, ceiling access, rack space) is ready before installation commences Safe removal and disposal of all packaging materials from site 	2 Svc
1.4.2	<p>IdeaHub Board 3 Pro 86-inch Display– Installation & Configuration</p> <ul style="list-style-type: none"> Assemble and position the approved mobile floor stand or wall mount; verify level and stability Mount and secure the Board 3 Pro interactive display using manufacturer-approved hardware IdeaShare USB Type C Key connection to the board Complete all power provisioning for the display as part of the installation Connect all required power, LAN, HDMI, and USB cabling; conceal cables through integrated cable management Power on the Board 3 Pro and complete initial boot, firmware update, and system configuration Configure language, time zone, regional settings, network connectivity, and user accounts Configure and test built-in wireless and/or wired screen sharing Configure connectivity between one Board 3 Pro and the S3 unit for mirrored or replicated display operation 	2 Svc



#	Description / Specification	Qty
1.5	SUPPLY OF 24-INCH CEILING MICROPHONE ARRAY	1 Bundle
1.5.1	<p>Microphone Array and Coverage</p> <ul style="list-style-type: none"> Type: Ceiling-mounted microphone array with electronically steerable lobes Coverage areas/lobes: Minimum 8 independently configurable automatic or steerable coverage areas. <p>DSP Features</p> <ul style="list-style-type: none"> Automatic microphone mixing (automix) Acoustic echo cancellation (AEC) Noise reduction and noise gating Automatic gain control (AGC) <p>Connectivity and Power</p> <ul style="list-style-type: none"> Audio networking: Dante™ / AES67 networked audio Single Ethernet connection carries audio, control, and power Power: PoE+ (IEEE 802.3at compliant) <p>Mounting and Cabling</p> <ul style="list-style-type: none"> Flush ceiling mount in standard 24-inch ceiling grid (recessed installation) Hard ceiling mounting option/kit must also be available All PoE+ network cabling (Cat6 or higher), cabling support trays, conduit, ceiling clips, and cable concealment accessories to be supplied and installed Safety retention/seismic wire (where required by mounting guidelines) LED status ring indicating mute status and activity <p>Integration and Remote Management</p> <ul style="list-style-type: none"> Native compatibility with manufacturer's microphone design / configuration software Third-party control system support (e.g., Crestron, Q-SYS, or equivalent) Web-based configuration and remote management interface 	2 Nos
1.5.2	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> Standard manufacturer 1 Year warranty. 8 hours x 5 days local technical support coverage Firmware update and patch management support during warranty period 	2 Svc
1.6	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle



#	Description / Specification	Qty
1.6.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> • Delivery of all supplied equipment to the designated installation site • Unpacking, inspection, and inventory verification of all items against the delivery • Coordination with the client for site access, scheduling, and readiness verification • Verification that civil/electrical infrastructure (power outlets, conduit, ceiling access, rack space) is ready before installation commences • Safe removal and disposal of all packaging materials from site 	2 Svc
1.6.2	<p>Ceiling Array Microphones – Installation & Configuration</p> <ul style="list-style-type: none"> • Identify optimal ceiling locations for each microphone array in consultation with the client • Install each microphone with flush-mount ceiling installation into the standard ceiling grid or hard ceiling as appropriate • Run and terminate all Cat6 (or higher) PoE+ Ethernet cabling from each microphone to the network switch; all cabling to be concealed within ceiling void, conduit, or cable tray • Install all safety retention/seismic wires as required by installation guidelines • Connect and power on each microphone via PoE+ from the managed switch • Configure each microphone using the manufacturer's software: steerable lobe layout, coverage zone optimisation, AEC, automix, AGC, and noise reduction • Assign Dante audio channels and verify audio routing to the conferencing processor • Test microphone pickup, mute functionality, LED indicators, and DSP performance in the room • All power provisioning for ceiling devices to be completed as part of installation 	2 Svc
1.7	SUPPLY OF WIRELESS MICROPHONE SYSTEM 4-CHANNEL	1 Bundle
1.7.1	<p>4-Bay Charging Station / Receiver Hub</p> <ul style="list-style-type: none"> • Integrated 4-bay charging station that simultaneously charges and houses all transmitters • Functions as the central receiver hub for all wireless channels • Dante™ / AES67 networked audio output • Web-based configuration and monitoring interface • LED indicators per bay showing charge status and RF activity • Rackmount or wall-mount compatible • Power supply: suitable for local AC supply (230 V, 50 Hz) <p>System Specifications</p>	1 Nos

#	Description / Specification	Qty
	<ul style="list-style-type: none"> • Simultaneous active channels: minimum 4 • Audio quality: 24-bit digital audio at 48 kHz • Audio latency: ≤ 3 ms end-to-end • Wireless range: minimum 30 metres in open space • Frequency agility: automatic frequency management and interference avoidance • Security: encrypted RF transmission 	
1.7.2	<p>Handheld Microphone Transmitters</p> <ul style="list-style-type: none"> • handheld wireless transmitters, to be stored and charged in the 4-bay station • Cardioid or supercardioid condenser or dynamic capsule • Battery: rechargeable internal battery (mini 8 hours continuous use per charge) • Mute button with visual mute indicator • RF output: licence-exempt band suitable for deployment in the Maldives 	2 Nos
1.7.3	<p>Bodypack Transmitters and Accessories</p> <ul style="list-style-type: none"> • bodypack wireless transmitters, to be stored and charged in the 4-bay station • Input: 3-pin or standard locking miniature connector for lavalier or headworn microphone • Includes lavalier (clip-on) microphone capsule per bodypack • Mute button with visual indicator • Battery: rechargeable internal battery (minimum 8 hours per charge) 	2 Nos
1.7.4	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> • Standard manufacturer 1 Year warranty. • 8 hours x 5 days local technical support coverage • Firmware update and patch management support during warranty period 	2 Svc
1.8	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle
1.8.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> • Delivery of all supplied equipment to the designated installation site • Unpacking, inspection, and inventory verification of all items against the delivery • Coordination with the client for site access, scheduling, and readiness verification • Verification that civil/electrical infrastructure (power outlets, conduit, ceiling access, rack space) is ready before installation commences • Safe removal and disposal of all packaging materials from site 	1 Svc
1.8.2	Wireless Microphone System – Installation & Configuration	1 Svc



#	Description / Specification	Qty
	<ul style="list-style-type: none"> Position and secure the 4-bay charging station/receiver hub at the designated location (tabletop or rack-mount as agreed) Connect the receiver hub to the network switch (Dante/AES67 audio) & Power Supply Pair all handheld and bodypack transmitters to the 4-bay receiver hub Configure Dante audio channel assignments for all wireless channels into the audio conferencing processor Fit lavalier microphone capsules to bodypack transmitters Test all 4 channels simultaneously for audio quality, RF range, and charging func Configure mute sync between transmitters and any connected control system Verify interference-free operation in the installed environment 	
1.9	SUPPLY OF NETWORKED CEILING LOUDSPEAKERS	1 Bundle
1.9.1	<p>Acoustic Performance</p> <ul style="list-style-type: none"> Type: Low-profile networked ceiling loudspeaker for even room coverage Frequency Response: 120 Hz – 20 kHz Dispersion: Wide-angle coverage suitable for training/meeting room ceiling installation Maximum SPL: Minimum 90 dB SPL <p>Networking and Power</p> <ul style="list-style-type: none"> Audio networking: Dante™ / AES67 Single Ethernet connection for audio, control, and power Power: PoE / PoE+ powered via Ethernet or as required by the supplied loudspeaker model. <p>Management</p> <ul style="list-style-type: none"> Web-based configuration and real-time status monitoring Compatible with manufacturer's audio design software Support for third-party control system integration <p>Mounting and Cabling</p> <ul style="list-style-type: none"> Flush ceiling mount compatible with standard ceiling grid (600 mm × 600 mm or 24-inch module) All PoE network cabling (Cat6 or higher), conduit, ceiling clips, back-can/enclosure where required, and cable concealment accessories to be supplied and installed as part of this item Safety retention wire where required by local installation standards 	6 Nos
1.9.2	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> Standard manufacturer 1 Year warranty. 8 hours × 5 days local technical support coverage 	1 Svc



#	Description / Specification	Qty
	<ul style="list-style-type: none"> Firmware update and patch management support during warranty period 	
1.10	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle
1.10.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> Delivery of all supplied equipment to the designated installation site Unpacking, inspection, and inventory verification of all items against the delivery Coordination with the client for site access, scheduling, and readiness verification Verification that civil/electrical infrastructure (power outlets, conduit, ceiling access, rack space) is ready before installation commences Safe removal and disposal of all packaging materials from site 	6 Svc
1.10.2	<p>Networked Ceiling Loudspeakers – Installation & Configuration</p> <ul style="list-style-type: none"> Identify optimal ceiling locations for all 6 loudspeakers to achieve even room coverage Install each loudspeaker with flush-mount ceiling installation into the ceiling grid or hard ceiling Run and terminate all Cat6 (or higher) PoE Ethernet cabling from each loudspeaker to the managed switch; all cabling to be concealed Install safety retention wires as required Power on each loudspeaker via PoE from the managed switch Assign Dante audio channels and configure routing from the conferencing processor to each speaker Calibrate speaker levels and coverage zones for uniform sound distribution throughout the room Test audio output, network management, and Dante routing for all units 	6 Svc
1.11	SUPPLY OF DANTE-NETWORKED AUDIO-CONFERENCING PROCESSOR	1 Bundle
1.11.1	<p>Core Function & Network Audio</p> <ul style="list-style-type: none"> Dante-networked DSP audio processor designed for conferencing and AV integration Dante channels: Minimum 8× Dante inputs and 8× Dante outputs USB: Full-duplex USB audio interface (USB Type-B) - the processor shall function as a USB audio device (microphone + speaker) when connected to a host PC or the interactive display <p>Analogue I/O</p> <ul style="list-style-type: none"> Minimum 2× balanced analogue microphone/line inputs Minimum 2× balanced analogue line outputs 3.5 mm auxiliary input and/or output 	1 Nos

#	Description / Specification	Qty
	<p>DSP Features</p> <ul style="list-style-type: none"> • Acoustic echo cancellation (AEC) • Automatic microphone mixing (automix) • Noise reduction and noise gating • Automatic gain control (AGC) • Flexible matrix mixing and signal routing <p>Primary Integration Path – USB Audio to Wireless Conferencing Base Unit</p> <ul style="list-style-type: none"> • The audio-conferencing processor shall be permanently connected via USB (Type-B to Type-A) to a dedicated USB port on the wireless conferencing base unit (Item 8) • This connection makes the processor's DSP-processed microphone feed (from all ceiling microphones and wireless microphones) available as a USB audio device on the wireless conferencing base unit • When a laptop connects to the wireless conferencing base unit, all conferencing applications on that laptop will detect the processor as the room microphone and speaker device — including Google Meet, Zoom, Microsoft Teams, and Cisco Webex • Far-end conference audio received on the laptop is routed back through the wireless conferencing base unit → processor → Dante network → ceiling loudspeakers • Secondary connection: a USB cable shall also be run and terminated at the interactive board's USB port as a backup audio path for board-hosted conferencing sessions • All cabling between the processor and the wireless conferencing base unit to be installed and concealed as part of the installation scope <p>Control and Integration</p> <ul style="list-style-type: none"> • Web-based graphical configuration and control interface • Compatible with manufacturer's native design software • Third-party control system support via command strings or API <p>From Factor & Power</p> <ul style="list-style-type: none"> • Under-table mountable or rackmountable (with optional accessories) • Power: PoE (IEEE 802.3af) or local AC, as specified by manufacturer 	
1.11.2	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> • Standard manufacturer 1 Year warranty. • 8 hours × 5 days local technical support coverage • Firmware update and patch management support during warranty period 	1 Svc
1.12	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle



#	Description / Specification	Qty
1.12.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> • Delivery of all supplied equipment to the designated installation site • Unpacking, inspection, and inventory verification of all items against the delivery • Coordination with the client for site access, scheduling, and readiness verification • Verification that civil/electrical infrastructure (power outlets, conduit, ceiling access, rack space) is ready before installation commences • Safe removal and disposal of all packaging materials from site 	1 Svc
1.12.2	<p>Audio Conferencing Processor – Installation & Configuration</p> <ul style="list-style-type: none"> • Mount the audio-conferencing processor at the designated location (under-table or rack) • Connect all Dante/AES67 Ethernet connections to the managed switch • Connect the processor to the wireless conferencing base unit (Item 8) via USB (Type-B to Type-A) — this is the primary audio integration path for all laptop-hosted meetings • Run a secondary USB cable from the processor to a USB port on the interactive smart board for board-hosted conferencing sessions (backup path) • Connect all analogue inputs and outputs as required • Configure Dante audio routing: ceiling microphones (2 units) and wireless microphone system (4 channels) → processor inputs • Configure Dante routing: processor outputs → all 6 ceiling loudspeakers • Configure DSP features: AEC (echo reference from base unit USB output), automix, AGC, noise reduction, and matrix mixing • Verify that when any video conferencing application is opened on a laptop connected to the wireless conferencing base unit, it detects the device as a selectable room conferencing device • Test end-to-end audio chain: ceiling mic pickup → processor DSP → base unit USB → laptop conference call → far-end audio → processor Dante output → ceiling loudspeakers 	1 Svc
1.13	SUPPLY OF ULTRA-COMPACT AI COMPUTING APPLIANCE	1 Bundle
1.13.1	<p>GPU Architecture</p> <ul style="list-style-type: none"> • GPU: Latest-generation AI GPU architecture with tensor core acceleration. • CPU-GPU Interconnect: High-bandwidth chip-to-chip CPU-GPU interconnect providing a unified coherent memory pool between CPU and GPU. • The system shall be a fully integrated single-board GPU supercomputer, not a discrete graphics card or tower workstation <p>Memory and Storage</p> <ul style="list-style-type: none"> • Unified Memory: 128 GB coherent, shared CPU-GPU memory • Storage: Minimum 4 TB NVMe SSD internal storage 	1 Nos

#	Description / Specification	Qty
	<ul style="list-style-type: none"> Memory bandwidth: Minimum 273 GB/s <p>AI Performance</p> <ul style="list-style-type: none"> AI Compute: Minimum 1 PFLOP-class AI tensor performance / 1,000 AI TOPS-class performance Hardware-accelerated tensor operations required using latest-generation AI acceleration cores. Support for local AI inference, development, deployment, and fine-tuning workflows for large language models, including models up to at least 70 billion parameters, subject to model precision, framework, and deployment configuration. <p>Software and OS</p> <ul style="list-style-type: none"> Pre-installed with Ubuntu Linux operating system Pre-integrated AI development stack including GPU drivers, container runtime, AI inference libraries, and model deployment tools Container runtime: Docker and/or Kubernetes-compatible <p>Connectivity</p> <ul style="list-style-type: none"> Minimum 2 × USB-C / USB4-class ports Minimum 1 × 10 GbE network port Wi-Fi 6E and Bluetooth 5.x <p>Form Factor & Power</p> <ul style="list-style-type: none"> Desktop mini/compact appliance form factor suitable for desk or shelf placement Maximum TDP: 300 W Power supply compatible with local AC (230 V, 50 Hz) Active cooling with low acoustic signature suitable for office environments 	
1.13.2	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> Standard manufacturer 1 Year warranty. 8 hours × 5 days local technical support coverage Firmware update and patch management support during warranty period 	1 Svc
1.14	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle
1.14.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> Delivery of all supplied equipment to the designated installation site Unpacking, inspection, and inventory verification of all items against the delivery Coordination with the client for site access, scheduling, and readiness verification Verification that civil/electrical infrastructure (power outlets, conduit, ceiling access, rack space) is ready before installation commences 	1 Svc



#	Description / Specification	Qty
	<ul style="list-style-type: none"> Safe removal and disposal of all packaging materials from site 	
1.14.2	<p>AI Computing Appliance – Setup & Configuration</p> <ul style="list-style-type: none"> Position the AI computing appliance at the designated desk or shelf location Connect power, display, keyboard/mouse, and network (10 GbE and/or Wi-Fi 6E) Apply all available OS and firmware updates Configure user accounts, permissions, and remote access (SSH, VNC, or equivalent) Power on and complete initial Linux-based AI workstation setup and vendor-provided AI software stack configuration Install and validate the AI development stack, including GPU drivers, AI acceleration libraries, container runtime, inference/deployment tools, and model-serving framework Test GPU compute performance and verify AI inference functionality with a benchmark model Configure network connectivity and confirm 10 GbE performance 	1 Svc
1.15	SUPPLY OF PROFESSIONAL 14-INCH LAPTOP	1 Bundle
1.15.1	<p>Display</p> <ul style="list-style-type: none"> Screen Size: 14 inches Display Type: Mini-LED or equivalent high-brightness panel with local dimming Resolution: Minimum 3024 × 1964 pixels at 254 ppi Brightness: Minimum 1000 nits sustained; minimum 1600 nits peak HDR Refresh Rate: Adaptive, up to 120 Hz HDR support: HDR10 or Dolby Vision <p>Processor</p> <ul style="list-style-type: none"> Platform: ARM-based System-on-Chip (SoC) architecture with unified memory Processor Tier: Mid-tier in the generation (equivalent to 'Pro' tier) CPU Cores: Minimum 18 cores (mix of performance and efficiency cores) GPU Cores: Minimum 20 cores (integrated) Neural Engine: Minimum 16-core dedicated on-chip neural engine <p>Memory and Storage</p> <ul style="list-style-type: none"> Unified Memory: 24GB (shared CPU/GPU/Neural Engine memory pool) Memory Bandwidth: Minimum 150 GB/s Storage: 1TB NVMe SSD <p>Ports and Connectivity</p> <ul style="list-style-type: none"> 3× Thunderbolt 5 / USB4 ports (USB-C) w/charging, DisplayPort, and data 1× HDMI port (HDMI 2.1 or higher) 	2 Nos

#	Description / Specification	Qty
	<ul style="list-style-type: none"> • 1× SD card slot (SDXC, UHS-II or faster) • 1× Magnetic or USB-C charging port • 1× 3.5 mm headphone jack with high-impedance headphone support • Wi-Fi 6E (802.11ax), Bluetooth 5.3 or higher <p>Audio and Camera</p> <ul style="list-style-type: none"> • Camera: Minimum 12 MP front-facing with AI-powered auto-framing • Speakers: Minimum 6-speaker high-fidelity system with spatial audio • Microphone: Three-microphone array with directional beamforming <p>Battery</p> <ul style="list-style-type: none"> • Minimum battery life: 17 hours continuous video playback • Minimum 14 hours wireless web browsing • Fast-charge capable <p>Operating System</p> <ul style="list-style-type: none"> • Operating System: Latest stable operating system compatible with the hardware supplied and required productivity/conferencing applications. 	
1.15.2	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> • Standard manufacturer 1 Year warranty. • 8 hours × 5 days local technical support coverage • Firmware update and patch management support during warranty period 	2 Svc
1.16	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle
1.16.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> • Delivery of all supplied equipment to the designated installation site • Unpacking, inspection, and inventory verification of all items against the delivery • Coordination with the client for site access, scheduling, and readiness verification • Safe removal and disposal of all packaging materials from site 	2 Svc
1.16.2	<p>Laptop Setup & Configuration</p> <ul style="list-style-type: none"> • Power on and complete initial OS setup on all 4 laptops • Apply all available OS and firmware updates • Configure Wi-Fi and Bluetooth connectivity; verify connection to room network • Test all ports, camera, microphone, speakers, and display output on each unit • Verify battery health and performance benchmarks on each unit 	2 Svc



#	Description / Specification	Qty
1.17	SUPPLY OF HUAWEI 24-PORT FULLY MANAGED LAYER 2+ POE+ NETWORK SWITCH	1 Bundle
1.17.1	<p>Ports</p> <ul style="list-style-type: none"> Downlink Ports: 24× Gigabit Ethernet (1G) PoE+/PoE (IEEE 802.3af/at) access Uplink Ports: Minimum 2× 10G SFP+ uplink ports; additional 1G/2.5G uplink <p>Switching Performance</p> <ul style="list-style-type: none"> Switching Capacity: Minimum 128 Gbps non-blocking Forwarding Rate: Minimum 96 Mpps MAC Address Table: Minimum 32,000 entries Jumbo Frame Support: Minimum 9216 bytes <p>PoE Budget</p> <ul style="list-style-type: none"> Total PoE power budget: Minimum 370 W across all access ports <p>Layer 2+ Features</p> <ul style="list-style-type: none"> VLANs: Minimum 4096 VLAN IDs (802.1Q) Spanning Tree: RSTP / MSTP Link Aggregation: 802.3ad LACP QoS: 802.1p / DSCP-based traffic prioritisation (minimum 4 queues per port) IGMP Snooping for multicast management (required for Dante audio) <p>Management</p> <ul style="list-style-type: none"> Management options: SNMP v1/v2c/v3, CLI (SSH/Telnet), and web-based GUI RMON, sFlow, or equivalent traffic monitoring Port mirroring and VLAN management Firmware upgrade via web interface or CLI <p>Physical and Environmental</p> <ul style="list-style-type: none"> Form Factor: Rackmount able 1U Design: Low-noise design suitable for installation in or near a training room. Fanless preferred; if fan-cooled, acoustic noise shall be suitable for classroom/meeting room environments. Power: AC 100–240 V, 50/60 Hz auto-sensing 	1 Nos
1.17.2	<p>Warranty & Technical Support: 1 Year 8x5 warranty & Local Technical Support</p> <ul style="list-style-type: none"> Standard manufacturer 1 Year warranty. 8 hours × 5 days local technical support coverage Firmware update and patch management support during warranty period 	1 Svc



#	Description / Specification	Qty
1.18	PROFESSIONAL SERVICES, TECHNICAL SUPPORT & ON-THE-JOB TRAINING	1 Bundle
1.18.1	<p>Equipment Delivery & Site Preparation</p> <ul style="list-style-type: none"> • Delivery of all supplied equipment to the designated installation site • Unpacking, inspection, and inventory verification of all items against the delivery • Coordination with the client for site access, scheduling, and readiness verification • Verification that civil/electrical infrastructure (power outlets, conduit, ceiling access, rack space) is ready before installation commences • Safe removal and disposal of all packaging materials from site 	1 Svc
1.18.2	<p>Managed PoE+ Network Switch – Installation & Configuration</p> <ul style="list-style-type: none"> • Rack-mount the switch in the designated equipment enclosure • Connect all downstream devices: ceiling microphones (2), networked ceiling loudspeakers (6), audio conferencing processor (1), PTZ camera (1), and wireless conferencing base unit (1) via PoE/PoE+ or standard Ethernet ports • Connect uplink to the building/room network infrastructure • Configure VLANs for AV/Dante traffic segregation and management traffic • Enable IGMP Snooping (required for Dante multicast audio) • Configure QoS policies to prioritise Dante audio and video traffic • Configure port security, SNMP community strings, and management access • Verify PoE power budget across all connected devices • Test all port connectivity and PoE power delivery 	1 Svc
1.19	PROFESSIONAL SERVICES: INTEGRATION; TESTING AND TRAINING	1 Bundle
1.19.1	<p>System Integration & End-to-End Commissioning</p> <ul style="list-style-type: none"> • Verify full Dante audio routing: ceiling microphones → audio conferencing processor → ceiling loudspeakers (all 6 units) and wireless microphone channels → processor • Verify USB device routing through wireless conferencing base unit: PTZ camera presented as UVC webcam and processor presented as USB audio device to connected laptops • Conduct the primary wireless laptop meeting scenario on each of the 1 laptops: <ul style="list-style-type: none"> ○ (1) insert the IdeaShare Key/button or launch Wireless conferencing App; ○ (2) open Google Meet (or Zoom/Teams/Webex); ○ (3) confirm ceiling microphones are selectable as microphone; ○ (4) confirm ceiling loudspeakers are selectable as speaker output; ○ (5) share laptop screen to the board display — verify full end-to-end workflow completes in under 10 seconds • Test wireless screen sharing from laptops simultaneously to the interactive board • Test touch-back from the interactive board to a connected laptop 	1 Svc



#	Description / Specification	Qty
	<ul style="list-style-type: none"> • Test dual screen display mode: conference video feed and shared content side-by-side • Test wireless screen projection from laptops to both 86-inch Board 3 Pro • Verify wireless microphone system: all 4 channels simultaneously active, mute functions, RF range across full room 	
1.19.2	<p>User Training & On-the-Job Knowledge Transfer</p> <ul style="list-style-type: none"> • Wireless laptop meeting workflow (primary procedure): step-by-step — insert the wireless conferencing hardware transmitter/button or launch app → open preferred conferencing platform → confirm camera/mic/speaker are the room devices → share screen to board → conduct meeting • Wireless conferencing button/transmitter care: storage, pairing, and troubleshooting if a button/transmitter fails to connect. • Vendor-provided wireless conferencing application: installation, connection via app, and mobile casting via AirPlay/Google Cast/Miracast. • PTZ camera: selecting presets, manual pan/tilt/zoom, returning to home position • Wireless microphone system: charging, pairing, muting, switching between handheld and bodypack • Interactive smart board: daily use, touch/annotation/whiteboard, the interactive board's integrated wireless screen sharing function, launching a board-hosted meeting as a fallback • Basic administration of signage displays: content update and scheduling via CMS • Switch administration: VLAN status, PoE monitoring, firmware update procedure • AI computing device: launching workloads, monitoring GPU utilization, OS updates • Laptop management: software updates, device care, and wireless conferencing button/transmitter assignment. • Troubleshooting common issues: Wireless conferencing hardware transmitter/button not connecting, camera not detected by Meet/Zoom, audio not routing through ceiling speakers, wireless mic dropout 	1 Svc
1.19.3	<p>Documentation and Project Handover</p> <ul style="list-style-type: none"> • As-built network and AV system diagram showing all device connections, IP addresses, Dante channel assignments, VLAN layout, wireless conferencing hardware transmitter/button base unit configuration, and cabling routes • Admin credentials log (usernames, passwords, cloud platform login, API keys) delivered securely to the client • Copies of all user manuals, quick-start guides, and configuration backup files • Firmware version log for all configured devices at time of handover • Written standard operating procedure for meeting workflow • Signed handover and acceptance certificate 	



#	Description / Specification	Qty
1.20	SUPPLY OF TRAINING TABLES AND STACKABLE MULTIPURPOSE CHAIRS	1 Bundle
1.20.1	<p>Commercial-Grade Flip-Top Nesting Training Tables</p> <ul style="list-style-type: none"> Type: Flip-top nesting table suitable for training and multipurpose room use Capacity: Designed to seat 2 persons per table Frame: Commercial-grade powder-coated steel frame Weight capacity: Minimum 100 kg per table <p>Table Surface</p> <ul style="list-style-type: none"> Surface: Durable, scratch-resistant and easy-to-clean laminate or equivalent commercial-grade top Edge: T-mould or similarly protected perimeter edge <p>Mobility and Nesting</p> <ul style="list-style-type: none"> Caster wheels: Minimum 4 lockable swivel castors for easy repositioning Flip-top mechanism: Table top folds vertically for compact nested storage All 18 tables must nest together into a compact footprint for storage 	18 Nos
1.20.2	<p>Commercial-Grade Stackable Multipurpose Training Chairs</p> <p>Frame and Structure</p> <ul style="list-style-type: none"> Type: Stackable, multipurpose chair for training and meeting room use Frame: Commercial-grade tubular steel or aluminum frame with non-marking floor glides Weight capacity: Minimum 120 kg per chair <p>Seat and Backrest</p> <ul style="list-style-type: none"> Seat and backrest: Padded with ergonomic contoured shape for prolonged seating comfort Upholstery: Durable, easy-to-clean fabric or polypropylene shell <p>Stackability</p> <ul style="list-style-type: none"> Minimum 10 chairs stackable vertically for compact storage Ganging/linking mechanism preferred for row seating configuration 	36 Nos
1.20.3	<p>Warranty</p> <ul style="list-style-type: none"> Minimum 1-year warranty against manufacturing defects 	1 Svc



-28-

SECTION C

PRE-QUALIFICATION

Parties interested in delivering the scope of work outlined in Annex I must meet the Section B Pre-Qualification requirement below:

a) Experience.

Bidders must provide documented evidence of supplying IT hardware and software to other organizations within the past three (3) years. Acceptable forms of proof include purchase orders, delivery notes, or official letters from client organizations confirming successful delivery and implementation of similar items.

b) Mandatory Documents:

- Company Registration Certificate
- GST Registration Certificate
- SME Classification Certificate
- Last 2 Year Financial Statements
- All the other relevant documents required/mentioned to submit in this bid document.

c) Manufacture Authorization / Accreditation:

A firm that does not manufacture or produce the goods it offers to supply shall submit the Manufacturer's Authorization Letter to demonstrate that it has been duly authorized by the manufacturer or producer of the goods to supply and install the goods and service in the Republic of Maldives.

- Huawei

d) Resources:

The vendor MUST have the following OEM Certified professional/engineer to provide all professional services. All relevant engineer(s) certificates and supporting documents shall be included with the proposal. Required certificates of the engineer(s):

Implementation and Technical Support Engineer Certificate:



-29-

- Huawei HCIA Collaboration
- Huawei HCIA Data-Com

It is mandatory that the supplier attaches a professional certificate of engineering and other related reference documents. The supplier shall submit the following documents:

- a) Certification copies of the relevant training
- b) Letter from the organization that the engineer employed at that organization
- c) ID card OR passport copy of the engineer
- d) Contact information of the staff and his/her supervisor in that organization

e) Delivery and Installation Duration

Delivery and installation should be completed within 30 days of receiving the purchase order.

-- END --