

Annex

Requirements for Video Conferencing System

Requisition No: 10/2026

VIDEO CONFERENCING SYSTEM – MINIMUM TECHNICAL SPECIFICATION

System Configuration

- **Number of Locations:** 02
 - Main Location – 01
 - Remote Location – 01
- **Room Type:** Classroom / Training Room
- **Approximate Room Size:** 600 sq. ft. per location
- **Platform:** Microsoft Teams
- **Preferred Brands:** Crestron, Logitech, Microsoft Teams Certified brands, or equivalent.

No.	Item	Qty.	Minimum Specification
1	4K PTZ Camera	02	4K UHD, motorized Pan/Tilt/Zoom, Auto Focus, minimum 10× zoom, suitable for Microsoft Teams
2	Ceiling Microphone Array	02	Professional ceiling-mounted beamforming microphone, suitable for 600 sq. ft. classroom, minimum 5–6 m effective voice pickup, AEC, noise suppression and AGC
3	Conference Speaker	02	Professional room speaker suitable for classroom use, clear voice reproduction, echo cancellation and noise suppression
4	Touch Control Panel	02	Minimum 7" touchscreen, meeting controls, camera, microphone, volume and display control



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5	AV Controller / Control Processor	02	Centralized control and integration of camera, microphone, speaker, display and conferencing system
6	75" 4K Google TV / Display	02	75", 4K UHD, minimum 3 HDMI inputs, Wi-Fi, LAN, Bluetooth and VESA mounting
7	Microsoft Teams Rooms System	02	Microsoft Teams Certified, one-touch meeting join, camera/microphone integration, content sharing and touch-panel support
8	Installation & Accessories	01 Lot	Complete cabling, ceiling mounting, brackets, adapters, configuration, integration, testing and commissioning

Scalability / Expandability

The proposed system **shall be modular and scalable** and shall:

- Support the future addition of **additional ceiling microphone arrays and cameras**.
- Support expansion to **additional remote locations**.
- Allow multiple remote locations to participate in the same Microsoft Teams conferencing environment.
- Allow expansion without replacement of the core system.
- Support additional AV equipment through suitable expansion modules/interfaces.
- The bidder shall identify any additional hardware, licenses or modules required for future expansion.

General Requirements



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1. The complete system shall provide **two-way high-quality video and audio communication** between the Main and Remote Locations.
2. All equipment shall be **Microsoft Teams compatible**, with Microsoft Teams Certified equipment used where applicable.
3. The ceiling microphone system shall provide clear voice pickup throughout the classroom seating area and teacher's table.
4. All required **cables, adapters, mounting hardware, licenses and accessories** shall be included.
5. The bidder shall provide the **manufacturer, model number and product datasheet** for all proposed equipment.
6. **Equivalent or higher-specification products** from other established manufacturers shall be accepted.
7. The bidder shall supply, install, configure, integrate, test and commission the complete system.
8. The bidder shall provide basic user training and system documentation upon completion.

