



Transnet Corporate Centre

an Operating Division of **TRANSNET SOC LTD**

[hereinafter referred to as **Transnet**]

[Registration No. 1990/000900/30]

RFP NUMBER

TCC/2024/03/0001/60503/RFP

Annexure A

EQUIPMENT SPECIFICATIONS

Transnet Main Hall Boardroom		
Description	QTY	Technical Spec
Fixed Thin Frame Screen, 106", 16:10 Aspect Ratio, Matt White Fabric	01	<ul style="list-style-type: none"> Viewing area 234.5cm x 132cm 106" Diagonal 1cm Black Frame Aspect ratio 16:9 Matt White Fabric Thin Fixed Frame Screen
Laser Projector 4500 Ansi Lumens, WXGA resolution, 16:10 Aspect Ratio	01	<ul style="list-style-type: none"> Projection Technology: 3LCD Technology Native Resolution: 1280 x 800 (WXGA) Aspect Ratio: 16:10 Contrast Ratio: 500000:1 Brightness: 4500 ANSI Lumens Lamp Type: Laser Light Source Light Source Life in Hours: 20000 Lens: F= 1.5-2.1, f= 17.2-27.6mm Keystone Correction: +/- 30° manual horizontal / +/- 30° manual vertical Projection Factor: 1.23 – 2:1 Projection Distance: 0.8m – 13.5m Screen Size: Max – 300"; Min – 30" Zoom: Manual; x1.6 Focus Adjustment: Manual Connectivity: Mini D-Sub 15 Pin, 2x HDMI Control Via RS-232 RJ45 LAN Port
Projector pole and bracket	01	<ul style="list-style-type: none"> Ceiling mounted bracket to mount above mentioned projector.
HDMI splitter 1:2	01	<ul style="list-style-type: none"> Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K. Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats. EDID Minder® automatically manages EDID communication between connected devices. HDCP compliant Automatic input cable equalization to 50 feet (15 meters) when used with Extron HDMI Pro Series cable. Selectable output muting via RS-232
50" QLED 4K UHD display (Not a TV)	02	<ul style="list-style-type: none"> 100% Color Volume with Quantum Dot Quantum HDR AirSlim Smart Hub Resolution 3,840 x 2,160 Quantum Processor Lite 4K Refresh Rate 50 Hz

		<ul style="list-style-type: none"> Adaptive Sound Sound Output (RMS)20 W Multiroom Link Web Browser Operating System Tizen Smart TV 3x HDMI ports 2x USB Ports 1x LAN Port 1x Digital Audio Output Wi-Fi Built in Bluetooth Anynet+ HDMI Audio Return Chanel Remote control should be included
Wall mount swivel bracket	02	<ul style="list-style-type: none"> Wall mounted bracket capable of holding the above mentioned 50" QLED 4K UHD Display
MS Teams Rooms Large VC Kit, including the below items:		
Mini-PC for MS Teams Rooms	01	<ul style="list-style-type: none"> Processor: 11th Gen Intel® Core™ vPro® i5-1145G7E Operating System: Windows 10 IoT Enterprise SAC Graphics: Intel® Iris® Xe Memory: 8GB Storage: 256GB SSD Connectivity: WiFi: 802.11 AC (2x2), Bluetooth® Low Energy (LE) 5.0 Ports & Slots: 2 x USB-A 3.2 Gen 2, USB-A 3.2 Gen 1, USB-C 3.2 Gen 2, USB-C 3.2 Gen 1 (for Controller), 2 x HDMI out, Optional: HDMI in, RJ45 ethernet. Security: Trusted Platform Module (TPM) 2.0, Kensington MiniSaver lock slot Certifications: Microsoft Teams Rooms, vPro®
Touch Panel for MS Teams Rooms	01	<ul style="list-style-type: none"> 10.1" 10-point touch HD (1280 x 800), 16:10 aspect ratio, antiglare & antismudge, 340 nits Rotatable 30° & 60° USB-C 2.0 (for ThinkSmart Core) Headphone / mic combo Security Kensington MiniSaver lock slot
4K 12X PTZ camera	01	<ul style="list-style-type: none"> Resolution: 4K Zoom: 12x PTZ Movement Compatibility: To work 100% with the above mentioned Mini-PC for MS Teams Rooms
Extended microphones	02	<ul style="list-style-type: none"> Tabletop array microphone that provides a comfortable sound environment without any settings. Supports network audio standard "Dante".

		<ul style="list-style-type: none"> Automatic speaker tracking allows for flexible room layout and participant positioning. 6 types of directivity can be selected according to the meeting format and the number of participants via Web UI Achieves comfortable sound quality by making full use of adaptive echo canceller, auto gain control, noise reduction, and reverberation suppression. When using auto voice tracking, automatically selects the microphone that is the nearest to speaker to pick up sound. Dante audio / control reception and PoE power are connected through a single network cable. With optional parts, microphones can be fixed on tables.
Speakers	02	<ul style="list-style-type: none"> PoE powered, Dante-enabled speaker system
Wireless presentation dongle	01	<ul style="list-style-type: none"> Wireless click to share presentation
Camera, PC & Speaker mounting kit	01	<ul style="list-style-type: none"> Mounting kits to mount above mentioned Camera's, PC and Speakers
HDMI - USB C cable for wired presentation	01	<ul style="list-style-type: none"> HDMI to USB type C connector for presentation.
Room cable hub	01	<ul style="list-style-type: none"> Central presentation hub with all presentation points coming to this place. Power for laptop charger.
Occupancy sensor	01	<ul style="list-style-type: none"> Sensor to detect motion in room to safely shut down the room if not utilized for 1hr. Sensor should also be programmed in such a way to
UPS to run the whole room for at least 15min until Generator starts up	01	<ul style="list-style-type: none"> 3kva inverter 3.5kva Lithium battery to run the room for at least 2.5hrs Inverter and battery to be connected to AC Power to charge the battery once power is restored.
Cabling for all equipment	01	<ul style="list-style-type: none"> All cabling and consumables required for the above-mentioned equipment.

Main Hall Auditorium		
Laser Projector, 15000 Ansi Lumens, SXGA+ resolution, 16:10 Aspect Ratio	01	<ul style="list-style-type: none"> • Projection Technology: 3LCD Technology • Native Resolution: 1920 x 1200 (WUXGA) • Aspect Ratio: 16:10 • Contrast Ratio: 3000000:1 • Brightness: 14000 Lm / 15000 Lm Centre • Lamp Type: Laser Light Source • Light Source Life in Hours: 20000 • Lens: 6 motorized lens options (measurements to be taken for correct lens) • Lense Adjustment: Motorized • Keystone Correction: +/- 40° manual horizontal / +/- 30° manual vertical • Projection Factor: Dependent on lens selected. • Projection Distance: 0.68m – 80.77m • Screen Size: Max – 500"; Min – 60" • Zoom: Motorized • Focus Adjustment: Motorized • Connectivity: 3G-SDI, HDBaseT, 2x HDMI • Control Via RS-232 • RJ45 LAN Port
Fixed Frame Screen, 200", 16:9 Aspect Ratio, Acoustic Fabric	01	<ul style="list-style-type: none"> • 200" Diagonal • 1cm Black Frame • Aspect ratio 16:9 • Matt White Fabric • Thin Fixed Frame Screen
Laser Projector, 7000 Ansi Lumens, WUXGA resolution, 16:10 Aspect Ratio	04	<ul style="list-style-type: none"> • Projection Technology: 3LCD Technology • Native Resolution: 1920 x 1200 (WUXGA) • Aspect Ratio: 16:10 • Contrast Ratio: 2500000:1 • Brightness: 7000 ANSI Lumen • Lamp Type: Laser Light Source • Light Source Life in Hours: 20000 • Lens: 4 motorized lens options (measurements to be taken for correct lens) • Lense Adjustment: Motorized • Keystone Correction: +/- 40° manual horizontal / +/- 40° manual vertical • Projection Factor: Dependent on lens selected. • Projection Distance: 0.7m – 50.9m • Screen Size: Max – 500"; Min – 60" • Zoom: Motorized • Focus Adjustment: Motorized • Connectivity: 3G-SDI, HDBaseT, 2x HDMI • Control Via RS-232 • RJ45 LAN Port

Fixed Thin Frame Screen, 133", 16:10 Aspect Ratio, Matt White Fabric	04	<ul style="list-style-type: none"> • 133" Diagonal • 1cm Black Frame • Aspect ratio 16:9 • Matt White Fabric • Thin Fixed Frame Screen
Projector pole and bracket	05	<ul style="list-style-type: none"> • Ceiling mounted bracket to mount above mentioned projectors.
85" QLED 4K UHD display (Not a TV)	06	<ul style="list-style-type: none"> • 100% Color Volume with Quantum Dot • Quantum HDR • AirSlim • Smart Hub • Resolution 3,840 x 2,160 • Quantum Processor Lite 4K • Refresh Rate50 Hz • Adaptive Sound • Sound Output (RMS)20 W • Multiroom Link • Web Browser • Operating System Tizen Smart TV • 3x HDMI ports • 2x USB Ports • 1x LAN Port • 1x Digital Audio Output • WiFi Built in • Bluetooth • Anynet+ • HDMI Audio Return Chanel • Remote control should be included
Mobile stands for 85" displays	06	<ul style="list-style-type: none"> • Capable of mounting a 85" Pro display with a weight of no less than 50kg. • Portable upright stand on rubber casters with a built-in foot activated brake. • Mounting bracket should be included for the 85" Pro Display
65" QLED 4K UHD display - comfort monitor	01	<ul style="list-style-type: none"> • 100% Color Volume with Quantum Dot • Quantum HDR • AirSlim • Smart Hub • Resolution 3,840 x 2,160 • Quantum Processor Lite 4K • Refresh Rate50 Hz • Adaptive Sound • Sound Output (RMS)20 W • Multiroom Link • Web Browser

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		<ul style="list-style-type: none"> • Operating System Tizen Smart TV • 3x HDMI ports • 2x USB Ports • 1x LAN Port • 1x Digital Audio Output • WiFi Built in • Bluetooth • Anynet+ • HDMI Audio Return Chanel • Remote control should be included 				
Custom comfort monitor and camera mobile stand	01	<ul style="list-style-type: none"> • Capable of mounting a 65" Pro display with a weight of no less than 50kg. • Portable floor stand on rubber casters with a built-in foot activated brake. • Mounting bracket should be included for the 85" Pro Display 				
HDMI extenders (RX & TX)	12	Video				
Internal Signal Type		HDMI with deep color, 3D & 4K				
Copy Protection		HDCP 2.2				
Maximum Resolution						
Scan Type	Resolution	Frame Rate	Color Sampling	Color Depth		
Progressive	4096 x 2160 DCI 4K	24 Hz	4:4:4	30 bit		
	& 3840 x 2160 4K UHD	30 Hz	4:4:4	24 bit		
		30 Hz	4:2:2	36 bit		
		60 Hz	4:2:0	24 bit		
	2560 x 1600 WXGA	60 Hz	4:4:4	36 bit		
	1920 x 1080 HD 1080p	60 Hz	4:4:4	36 bit		
Interload	1920 x 1080 HD 1080p	30 Hz	4:4:4	36 bit		
Audio						
Internal Signal Type		HDMI				
Formats		Dolby Digital, Dolby Digital EX				
Communications						
HDMI		HDCP 2.2, EDID, CEC pass-through				

4K/60 HDMI DTP2 Transmitter – Decorator-Style Wallplate	06	Max 4K Capabilities		
		Resolution & Refresh Rate	Chroma Sampling	Max Bit Depth per Color
		3840 x 2160 @ 60Hz	4:4:4	8 bit
		4096 x 2160 @ 30Hz		
3840 x 2160 @ 30Hz				
DTP Receiver for HDMI	06	Max 4K Capabilities		
		Resolution & Refresh Rate	Chroma Sampling	Max Bit Depth per Color
		4096 x 2160 @ 30Hz	4:4:4	8 bit
		3840 x 2160 @ 30Hz		
		4096 x 2160 @ 60Hz	4:2:0	
		3840 x 2160 @ 60Hz		
HDMI switcher 6:1	1	Video Input		
		Number / Signal Type	6	
		Connectors	6	
		Horizontal Frequency	15 KHz to 270 KHz	
		Vertical Frequency	24 Hz to 240 Hz	
		Video Output		
		Number / Signal Type	1	
		Connectors	1	
Video Processor 12 HDMI out	1	<ul style="list-style-type: none"> Video processor with 12 outputs Capable of sending different inputs to different outputs Capable of making all 12 outputs 1 main output 		
Teams Certified Audio DSP 8 channel AEC	1	<ul style="list-style-type: none"> 12 x 8 Digital Matrix Processor w/ AEC, VoIP & Dante 8 channel bridgeable output amplifier 		
Use existing amplifiers and speakers	1	<ul style="list-style-type: none"> N/A 		
MS Teams Rooms Ultra Large VC Kit, including the below items:				
Mini-PC for MS Teams Rooms solution	1	<ul style="list-style-type: none"> Processor: 11th Gen Intel® Core™ vPro® i5-1145G7E Operating System: Windows 10 IoT Enterprise SAC Graphics: Intel® Iris® Xe Memory: 8GB Storage: 256GB SSD Connectivity: WiFi: 802.11 AC (2x2), Bluetooth® Low Energy (LE) 5.0 Ports & Slots: 2 x USB-A 3.2 Gen 2, USB-A 3.2 Gen 1, USB-C 3.2 Gen 2, USB-C 3.2 Gen 1 (for Controller), 2 x HDMI out, Optional: HDMI in, RJ45 ethernet. Security: Trusted Platform Module (TPM) 2.0, Kensington MiniSaver lock slot Certifications: Microsoft Teams Rooms, vPro® 		

Touch Panel for MS Teams Rooms solution	1	<ul style="list-style-type: none"> 10.1" 10-point touch HD (1280 x 800), 16:10 aspect ratio, antiglare & antismudge, 340 nits Rotatable 30° & 60° USB-C 2.0 (for ThinkSmart Core) Headphone / mic combo Security Kensington MiniSaver lock slot
4K 12X PTZ camera	7	<ul style="list-style-type: none"> Resolution: 4K Zoom: 12x PTZ Movement Compatibility: To work 100% with the above mentioned Mini-PC for MS Teams Rooms
AV hub	1	<ul style="list-style-type: none"> Central presentation hub with all presentation points coming to this place. Power for laptop charger.
Wireless presentation dongle	4	<ul style="list-style-type: none"> Wireless click to share presentation
HDMI - USB C cable for wired presentation	1	<ul style="list-style-type: none"> HDMI to USB type C connector for presentation.
Camera brackets	7	<ul style="list-style-type: none"> Mounting kits to mount above mentioned Camera's
Control Processor	1	<ul style="list-style-type: none"> Room controller to manage all devices in the room.
Control API License	1	<ul style="list-style-type: none"> No technical spec
Transnet Certified 16-Port 10GBE L2 Managed Switch	1	<ul style="list-style-type: none"> N/A
UPS to run the whole room	1	<ul style="list-style-type: none"> 8kva inverter 10kva Lithium battery to run the room for at least 2.5hrs or more. Inverter and battery to be connected to AC Power to charge the battery once power is restored.
Cabling for all equipment	1	<ul style="list-style-type: none"> All cabling and consumables required for the above-mentioned equipment.

 Respondent's Signature

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Junction Room (Splittable Room)		
Laser Projector, 5200 Ansi Lumens, 4KE WUXGA resolution, 16:10	2	<ul style="list-style-type: none"> • Projection Technology: 3LCD Technology • Native Resolution: 1920 x 1200 (WUXGA) • Aspect Ratio: 16:10 • Contrast Ratio: 3000000:1 • Brightness: 5200 ANSI Lumens • Lamp Type: Laser Light Source • Light Source Life in Hours: +/-20000 • Lens shift: H:-29, +29 V:-0, +60 • Keystone Correction: +/- 30° manual horizontal / +/- 30° manual vertical • Projection Factor: 1.2 – 2:1 • Projection Distance: 0.75m – 13m • Screen Size: Max – 300”; Min – 30” • Zoom: Manual; x1.7 • Focus Adjustment: Manual • Connectivity: Mini D-Sub 15 Pin, 2x HDMI • Control Via RS-232 • RJ45 LAN Port
Fixed Thin Frame Screen, 119", 16:10 Aspect Ratio, Matt White Fabric	2	<ul style="list-style-type: none"> • 119" Diagonal • 1cm Black Frame • Aspect ratio 16:9 • Matt White Fabric • Thin Fixed Frame Screen
Laser Projector 4500 Ansi Lumens, WXGA resolution, 16:10 Aspect Ratio	2	<ul style="list-style-type: none"> • Projection Technology: 3LCD Technology • Native Resolution: 1280 x 800 (WXGA) • Aspect Ratio: 16:10 • Contrast Ratio: 500000:1 • Brightness: 4500 ANSI Lumens • Lamp Type: Laser Light Source • Light Source Life in Hours: 20000 • Lens: F= 1.5-2.1, f= 17.2-27.6mm • Keystone Correction: +/- 30° manual horizontal / +/- 30° manual vertical • Projection Factor: 1.23 – 2:1 • Projection Distance: 0.8m – 13.5m • Screen Size: Max – 300”; Min – 30” • Zoom: Manual; x1.6 • Focus Adjustment: Manual • Connectivity: Mini D-Sub 15 Pin, 2x HDMI • Control Via RS-232 • RJ45 LAN Port

Fixed Thin Frame Screen, 106", 16:10 Aspect Ratio, Matt White Fabric	2	<ul style="list-style-type: none"> • 106" Diagonal • 1cm Black Frame • Aspect ratio 16:9 • Matt White Fabric • Thin Fixed Frame Screen 																																																														
Projector pole and bracket	4	<ul style="list-style-type: none"> • Ceiling mounted bracket to mount above mentioned projectors 																																																														
HDMI splitter 1:2	2	<ul style="list-style-type: none"> • Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K • Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats. • EDID Minder® automatically manages EDID communication between connected devices. • HDCP compliant • Automatic input cable equalization to 50 feet (15 meters) when used with Extron HDMI Pro Series cable. • Selectable output muting via RS-232 																																																														
HDMI switcher 2:1	1	<ul style="list-style-type: none"> • Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K • Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats. • EDID Minder® automatically manages EDID communication between connected devices. • HDCP compliant • Automatic input cable equalization to 50 feet (15 meters) when used with Extron HDMI Pro Series cable. • Selectable output muting via RS-232. 																																																														
HDMI extenders (RX & TX)	4	<table border="1"> <thead> <tr> <th colspan="5" style="text-align: center;">Video</th> </tr> <tr> <td colspan="2">Internal Signal Type</td> <td colspan="3">HDMI with deep color, 3D & 4K</td> </tr> <tr> <td colspan="2">Copy Protection</td> <td colspan="3">HDCP 2.2</td> </tr> <tr> <th colspan="5" style="text-align: center;">Maximum Resolution</th> </tr> <tr> <th>Scan Type</th> <th>Resolution</th> <th>Frame Rate</th> <th>Color Sampling</th> <th>Color Depth</th> </tr> </thead> <tbody> <tr> <td rowspan="6" style="text-align: center; vertical-align: middle;">Progressive</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">4096 x 2160 DCI 4K & 3840 x 2160 4K UHD</td> <td>24 Hz</td> <td>4:4:4</td> <td>30 bit</td> </tr> <tr> <td>30 Hz</td> <td>4:4:4</td> <td>24 bit</td> </tr> <tr> <td>30 Hz</td> <td>4:2:2</td> <td>36 bit</td> </tr> <tr> <td>60 Hz</td> <td>4:2:0</td> <td>24 bit</td> </tr> <tr> <td>2560 x 1600 WGXGA</td> <td>60 Hz</td> <td>4:4:4</td> <td>36 bit</td> </tr> <tr> <td>1920 x 1080 HD 1080p</td> <td>60 Hz</td> <td>4:4:4</td> <td>36 bit</td> </tr> <tr> <td>Interload</td> <td>1920 x 1080 HD 1080p</td> <td>30 Hz</td> <td>4:4:4</td> <td>36 bit</td> </tr> <tr> <th colspan="5" style="text-align: center;">Audio</th> </tr> <tr> <td colspan="2">Internal Signal Type</td> <td colspan="3">HDMI</td> </tr> </tbody> </table>	Video					Internal Signal Type		HDMI with deep color, 3D & 4K			Copy Protection		HDCP 2.2			Maximum Resolution					Scan Type	Resolution	Frame Rate	Color Sampling	Color Depth	Progressive	4096 x 2160 DCI 4K & 3840 x 2160 4K UHD	24 Hz	4:4:4	30 bit	30 Hz	4:4:4	24 bit	30 Hz	4:2:2	36 bit	60 Hz	4:2:0	24 bit	2560 x 1600 WGXGA	60 Hz	4:4:4	36 bit	1920 x 1080 HD 1080p	60 Hz	4:4:4	36 bit	Interload	1920 x 1080 HD 1080p	30 Hz	4:4:4	36 bit	Audio					Internal Signal Type		HDMI		
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		Formats	Dolby Digital, Dolby Digital EX	
		Communications		
		HDMI	HDCP 2.2, EDID, CEC pass-through	
4K/60 HDMI DTP2 Transmitter – Decorator-Style Wallplate	2	Max 4K Capabilities		
		Resolution & Refresh Rate	Chroma Sampling	Max Bit Depth per Color
		3840 x 2160 @ 60Hz	4:4:4	8 bit
		4096 x 2160 @ 30Hz		
3840 x 2160 @ 30Hz				
DTP Receiver for HDMI	2	Max 4K Capabilities		
		Resolution & Refresh Rate	Chroma Sampling	Max Bit Depth per Color
		3840 x 2160 @ 60Hz	4:4:4	8 bit
		4096 x 2160 @ 30Hz		
3840 x 2160 @ 30Hz				
Teams Certified Audio DSP 4 channel AEC	1	<ul style="list-style-type: none"> • 12 x 8 Digital Matrix Processor w/ AEC, VoIP & Dante • 8 channel bridgeable output amplifier • 		
Wireless handheld microphone + receiver	2	<ul style="list-style-type: none"> • Available Transmitter Form factors: Handheld • Operating range (up to): 100 m (Under typical conditions) • Microprocessor-controlled internal antenna diversity • One touch QuickScan locates the best open Frequency. • ¼" and XLR audio outputs • Two color audio status indicator LED • Green: Normal audio levels • Red: Excessive audio levels (overload/clipping) • Microprocessor-controlled internal antenna diversity • One touch QuickScan locates the best open Frequency. • ¼" and XLR audio outputs • Two color audio status indicator LED • Green: Normal audio levels • Red: Excessive audio levels (overload/clipping) 		
Wireless lapel microphone + receiver	2	<ul style="list-style-type: none"> • Fast-Setup System for DIY Videographer • ME 2-II Omnidirectional Lav Mic • Lightweight Bodypack Transmitter • MMD 42 Omni Handheld Mic/Transmitter • Ultra-Compact Plug-In Receiver • Protected Peer-to-Peer Connection • Easy-to-Use, Automatic Operation 		

		<ul style="list-style-type: none"> Automatic Mic Level Control
Can use 3rd party ceiling mics and existing amps and speakers	1	<ul style="list-style-type: none"> N/A
MS Teams Rooms Extra Large VC Kit, including the below items:		
Mini-PC for MS Teams Rooms solution	2	<ul style="list-style-type: none"> Processor: 11th Gen Intel® Core™ vPro® i5-1145G7E Operating System: Windows 10 IoT Enterprise SAC Graphics: Intel® Iris® Xe Memory: 8GB Storage: 256GB SSD Connectivity: WiFi: 802.11 AC (2x2), Bluetooth® Low Energy (LE) 5.0 Ports & Slots: 2 x USB-A 3.2 Gen 2, USB-A 3.2 Gen 1, USB-C 3.2 Gen 2, USB-C 3.2 Gen 1 (for Controller), 2 x HDMI out, Optional: HDMI in, RJ45 ethernet. Security: Trusted Platform Module (TPM) 2.0, Kensington MiniSaver lock slot Certifications: Microsoft Teams Rooms, vPro®
Touch Panel for MS Teams Rooms solution	2	<ul style="list-style-type: none"> 10.1" 10-point touch HD (1280 x 800), 16:10 aspect ratio, antiglare & antismudge, 340 nits Rotatable 30° & 60° USB-C 2.0 (for ThinkSmart Core) Headphone / mic combo Security Kensington MiniSaver lock slot
4K 12X PTZ camera	2	<ul style="list-style-type: none"> Resolution: 4K Zoom: 12x PTZ Movement Compatibility: To work 100% with the above mentioned Mini-PC for MS Teams Rooms
Ceiling microphones	8	<ul style="list-style-type: none"> Dante-enabled, dynamic beamforming ceiling array microphone with innovative technologies like Adaptive Echo Canceller, Automatic Gain Control, Noise Reduction, and Dereverberation for optimal audio to the far end.
Speakers	8	<ul style="list-style-type: none"> PoE powered, Dante-enabled speaker system features slim, sleek design, simple wiring via LAN cables, and easy installation.
AV hub	2	<ul style="list-style-type: none"> Central presentation hubs with all presentation points coming to this place. Power for laptop charger.
Wireless presentation dongle	2	<ul style="list-style-type: none"> Wireless click to share presentation
HDMI - USB C cable for wired presentation	2	<ul style="list-style-type: none"> HDMI to USB type C connector for presentation.
Camera & speaker mounting brackets	6	<ul style="list-style-type: none"> Mounting kits to mount above mentioned Camera's, PC and Speakers
Control Processor	1	<ul style="list-style-type: none"> Room controller to manage all devices in the room.
Transnet Certified 16-Port 10GBE L2 Managed Switch	1	<ul style="list-style-type: none"> N/A

Respondent's Signature

Date & Company Stamp

UPS to run the whole room	1	<ul style="list-style-type: none"> • 8kva inverter • 10kva Lithium battery to run the room for at least 2.5hrs or more. • Inverter and battery to be connected to AC Power to charge the battery once power is restored.
Cabling for all equipment	1	<ul style="list-style-type: none"> • All cabling and consumables required for the above-mentioned equipment.

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