

TRANSNET PORT TERMINALS

SCOPE OF WORK

**TO PROVIDE AUDIO – VISUAL SYSTEM & VIDEO CONFERENCING
SYSTEMS FOR AUDITORIUM AT PIER 1 AT
DURBAN CONTAINER TERMINAL, DURBAN.**

REVISION

2024/10

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1. INTRODUCTION

- 1.1.1 Transnet Port Terminals (hereinafter referred to as "TPT") is an Operating division of Transnet SOC Ltd. TPT is inviting suitable service provider to assist with the provision and installation of auditorium sound, presentation, speaker, and video conferencing systems for Pier1 Auditorium, at Durban Container Terminal in Bluff, Durban.

2. BACKGROUND

- 2.1. Multiple components are no longer working. The mixers are outdated. Mics are old and cut out and need to be replaced. The components from the AVC system could not be salvaged for reuse and is out of date.
- 2.2. Transnet Port Terminals Pier 1 Terminal Auditorium has become a popular venue, it receives numerous requests to host internal and external visitors, stakeholder engagements with various high-level executive delegates, from the Office of the Presidency, National Ministry Offices, Office of the Mayor: eThekweni, Chamber of Commerce, Shipping lines and Transnet Group.
- 2.3. The Pier 1 Auditorium is the only venue in the Durban Region which can house 450 people. Internal and external stakeholders tend to use the Pier 1 Auditorium, as a Transnet facility to save costs.

3. Specification:

The auditorium needs to be equipped to host any presentations (remote and in-person) such as Roadshows or safety briefings to many (+- 500) people. Dante (**Digital Audio Network Through Ethernet**) integrates hardware and software that uses network protocols to deliver uncompressed, multichannel, low-latency digital audio transmission over a standard Ethernet network.

The following needs to be procured with installation:

- 3.1. The specification below provides clear instructions of what is required for this project.

PROJECTOR	HDMI, 4K, Legacy VGA, WIRELESS, CAST, HDMI OUTPUT FROM PODIUM. FOR VIDEO AND SOUND
SCREEN	ASSESMENT AND USE OF CURRENT PROJECTOR SCREEN PRESENTATION FROM PODIUM AND USB FLASH IN CABINET FOR VISUAL PLAYBACK. CONFIGURATION OF TWO EXISTING DISPLAY SCREENS, FOR DISPLAY EXTENSION, TO CONFIGURE, CONNECT, AND ENSURE LOCK TO TILT ENABLED SWING BRACKET TO ELIMINATE THEFT.
SPEAKERS	AN ASSESSMENT OF CURRENT SPEAKERS REPLACEMENT OF NECESSARY SPEAKERS TEST, CONFIGURE INTEGRATION OF EXISTING

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	<p>ADDITION OF UP TO 2 x WALLMOUNT SPEAKERS IN ADDITION TO THE CURRENT WALLMOUNT SPEAKERS FOR LARGER CROWDS.</p>
<p>AUDIO VISUAL AND PA SYSTEM – SUPPLY AND FIT VIDEOCONFERENCING OPTION</p>	<p>WIRELESS PRESENTATION, AV CONTROL SYSTEM OPTIONAL INTERFACE TO CORPORATE NETWORK. AV CONTROL SYSTEM FOR THE AV EQUIPMENT</p> <p>MIXER AND AMPLIFIER, DANTE COMPATIBLE DIGITAL AUDIO MIXER, to FACILITATE DANTE CONNECTION TO & MICS + LAPTOP HDMI IN</p> <p>DANTE COMPATIBLE PROFESSIONAL DSP WITH MIC MIXING WITH FEEDBACK SUPPRESSION FOR TEAMS MEETINGS.</p> <p>LOCKABLE CABINET FOR ALL EQUIPMENT INCLUDING WIRELESS MIC RECEIVERS</p> <p>ALL RECIEVERS MUST BE LOCKED AWAY</p> <p>TEST, CONFIGURE AND CORRECT SYSTEM.</p> <p>4K CAMERA FOR TEAMS MEETINGS.</p> <p>SOUND OUTPUT VIA HDMI ON PODIUM, MIC INPUT INTO LAPTOP ON PODIUM FOR AUDIO INPUT INTO TEAMS.</p>
<p>PA SYSTEM – MICROPHONES</p> <p>1 X FIXED MIC (PODIUM)</p> <p>6 x ROAMING MIC (4 x HANDHELD, 1 x NECKBAND, 1 x LAPEL)</p>	<p>1 X PODIUM MICROPHONE</p> <p>4 x ROAMING HANDHELD MICROPHONES</p> <ul style="list-style-type: none"> • System: Microphone Included: Handheld Mic including 2 x mic stand adapter. • Transmitter: Form: Handheld with Mic Capsule • System: Operating Range: 100 ft. Line-of-sight • System: Channel Selection: Automatic • Microphone: Type: Dynamic • Transmitter: Battery Type: 2 x AA • Receiver: Antenna Type: Fixed • Receiver: Type: Table Top LED Display • Receiver: Type: (DANTE COMPATIBLE)

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PA SYSTEM – MICROPHONES (continued)	<ul style="list-style-type: none"> Intelligent Noise Cancelling Receiver: Power Source: DC power supply <p>1 x LAVALIER LAPEL MICROPHONE</p> <p>1 X NECKBAND EARPIECE MICROPHONE</p> <ul style="list-style-type: none"> Power supply Batteries : 4 x AA (2 per transmitter) Range : 60m (DANTE COMPATIBLE) Microphone: polar pattern : Cardioid (handheld, neckband or lapel / lavalier) Output impedance : 2.2k Ohms Output level : 400mV (balanced), Frequency response : 50Hz – 18kHz (±3dB) S/N ratio : >80Db nse : 50Hz – 18kHz (±3dB) Beltpack transmitter (DANTE COMPATIBLE) <p>MUST INCLUDE 3.55 adapter for audio input to Laptop 3.5MM TRRS (stereo-plus-mic) 3.5MM socket.</p>
CABINET – LOCKABLE + 3 KEYS	ALL EQUIPMENT MUST BE SECURED.
SUPPLY AND FIT	<p>Test, configure and correct existing system.</p> <p>INSTALL NEW SYSTEM.</p> <p>ADD SPEAKERS, MICS, AV, INSTALL, REUSE,</p>
CABLING, WIRING, EXISTING EQUIPMENT	Reuse available equipment where possible.
PRESENTER LASER POINTER.	<p>1 x WIRELESS PRESENTER, +Lazer pointer</p> <p>1 x AIRMOUSE with keyboard + mic.</p>
<p>PORTABLE AUDIO SPEAKERS + MIC SYSTEM</p> <p>2X Rechargeable Portable PA speaker Handheld System.</p>	<p>BLUETOOTH Connectivity ENABLED.</p> <p>Built in rechargeable battery.</p> <p>At Least 2 x wireless handheld microphones for each speaker.</p> <p>Built in Amplifier. Tone Control, (Bass, Treble adjusted.</p> <p>Carry Handle.</p> <p>RCA Line Input and Output.</p>

4. MAINTENANCE AND SUPPORT:

- 4.1. All equipment must have a 2-year maintenance and support warranty, which should cover but not limited to technical support, software upgrades, faults diagnosis, on-site support for repairs and configuration.

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5. The Supplier will also be required to perform full system training to the ICT and corporate affairs staff and the end-user of Transnet Port Terminals. Training to be done by OEM Partner, supply certificate of completion to Corporate Affairs staff.
6. TPT would like to appoint a service provider that will comply with all solution requirements and provide proof of compliance from the OEM.

7. PRICING SCHEDULE:

- 7.1. The role of the schedule of prices is to define a price structure. Suppliers are required to price as per the pricing schedule, suppliers who do not price correctly will not be considered.

8. TECHNICAL:

- 8.1. Technical evaluation is the process of assessing the offers received to determine if they meet the requirements expressed in the solicitation documents, the technical evaluation is only applicable to the auditorium solution not the once off purchase. A Site meeting will be required to align with business requirements.

Technical Qualifying Criteria	Technical Qualifying Criteria	Technical Qualifying Criteria
Tenderer must have an OEM Certificate indicating status and certification.	Yes/No	If tenderer does submit OEM certification = Disqualified If tenderer submits =Qualifies
Tenderer must have AV company partnership certificate	Yes/No	If tenderer does not have partnership certificate = Disqualified If tenderer submits partnership certificate = Qualifies
Letter from an OEM indicating that the Auditorium solution as per SOW has been supplied and installed by the supplier or the OEM.	Yes/No	If tenderer does not have reference letter = Disqualified If tenderer submits a reference letter = Qualifies

Technical Evaluation Criteria	Technical Evaluation Criteria	Technical Evaluation Criteria
Trade reference letter; a letter of awards of similar supply of intelligent collaborative equipment not older than 2 years	50	<p>5 written contactable references on company letterhead, include contact details and signatures of referees as proof that they have knowledge of intelligent collaborative tools and have worked and installed the product = 50</p> <p>3-4 written contactable references on company letterhead, include contact details and signatures of referees as proof that they have knowledge of intelligent collaborative tools and have worked and installed the product = 30</p> <p>1 written contactable reference on company letterhead, include contact details and signatures of referees as proof that they have knowledge of intelligent collaborative tools and have worked and installed the product = 10</p>
Relevant Experience Suppliers must provide CV of engineers with OEM certification	50	<p>Supplier provided 4 or more CV of engineers with OEM certification= 50</p> <p>Supplier provided 3-4 CV of engineers with OEM certification= 30</p> <p>Supplier provided 2 or less CV of engineers with OEM certification= 10</p>

Total Weighting	100	
Minimum qualifying score required:	75	

9. APPROVALS:

Compiled by:

Nosibusiso Cele

Acting IT Manager

Transnet Port Terminals

Signature  _____

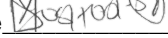
Date: 11/11/2024

Reviewed by:

Sello Moshodi

ICT Chief Administrator

Transnet Port Terminals

Signature  _____

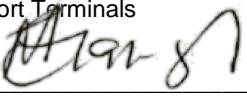
Date: 12/12/2024

Approved by:

Mandlenkosi Vilakazi

Acting Infrastructure and Facilities Manager

Transnet Port Terminals

Signature  _____

Date: 13/11/2024