

VOLUME 9

THEATRE TECHNICAL EQUIPMENT & CONTROL FURNITURE

FINAL TENDER SPECIFICATION

October 2026

Employer	Limpopo Department of Sport, Arts and Culture
Project	Limpopo Provincial Theatre
Document Status	Final Tender Specification
Issue	Final Tender Issue October 2026

Document Purpose

This volume provides the measurable tender specification for Volume 9. Quantities are aligned to the current itemised pre-tender schedule. Each item includes a nominal size and an illustrative reference picture. This revision further defines theatre-technical coordination, ergonomic, ventilation, rack, cable-management, stage-management and control-interface requirements. Final equipment interfaces shall be coordinated with the approved theatre lighting, sound, AV, communications, electrical and stage-engineering designs before manufacture or procurement.

IMPORTANT - REFERENCE IMAGES: All sample pictures in this specification are illustrative design-intent references only. They do not prescribe a brand, manufacturer or proprietary product. Bidders may offer an equivalent product that meets or exceeds the stated dimensions, materials, performance, durability, accessibility and warranty requirements, subject to approval of samples and technical submissions.

DIMENSIONAL RULE: Dimensions are nominal tender dimensions. Unless a tighter requirement is stated, loose furniture may vary by approximately +/-5% where ergonomics and room clearances are maintained. Built-in items, counters, consoles and wall-fixed items must be site verified before manufacture and coordinated with approved architectural and services drawings. For technical consoles and equipment racks, the stated envelope is indicative: final cut-outs, rack-unit heights, monitor arms, ventilation clearances, access panels and cable routes shall suit the approved equipment schedule and shop drawings.

Schedule Summary

Code	Item	Qty	Nominal Size
TE-901	Operator Chairs	5	650 W x 650 D x 1050-1200 H mm
TE-902	Stage Manager Desk	1	1800 W x 800 D x 750 H mm
TE-903	Prompt Desk	1	1200 W x 700 D x 900 H mm
TE-904	Production Workstation	2	1800 W x 800 D x 750 H mm
TE-905	Communications Cabinet	1	800 W x 600 D x 1800 H mm
TE-906	Cue Light Control Station	1	900 W x 600 D x 1000 H mm
TE-907	Show Control Cabinet	1	900 W x 600 D x 1800 H mm
TE-908	Conductor Podium	1	1200 W x 1000 D x 200 H mm
TE-909	Professional Music Stands	50	500 W x 350 D x 700-1400 H mm adjustable
TE-910	Musician Chairs	50	520 W x 560 D x 850 H mm
TE-911	Instrument Storage Cabinets	8	1000 W x 600 D x 2100 H mm
TE-912	Choir Risers	6	2000 W x 1000 D x 200/400/600 H mm modular
TE-913	Lectern	3	600 W x 500 D x 1200 H mm
TE-914	Flight Cases	12	800 W x 600 D x 600 H mm nominal
TE-915	Cable Drum Storage Rack	4	1800 W x 700 D x 1800 H mm
TE-916	Lighting Accessory Cabinets	6	1000 W x 600 D x 2000 H mm
TE-917	AV Equipment Cabinets	6	600 W x 800 D x 2000 H mm
TE-918	Lockable Technical Store Cabinets	8	1000 W x 600 D x 2000 H mm
TE-919	Portable Lectern	3	550 W x 450 D x 1150 H mm
TE-920	Mobile Digital Whiteboard Projector	4	75-86 inch interactive display on height-adjustable mobile stand
TE-921	Audio Equipment Trolley	4	900 W x 600 D x 1000 H mm
TE-922	Portable Equipment Rack	4	600 W x 800 D x 1000 H mm; 18U nominal
TE-923	Digital Display Stand	4	700 W x 600 D x 1800 H mm; suit 55-75 inch display

TE-901 - Operator Chairs FULL-COLOUR REFERENCE IMAGE <i>Reference image: design intent only. Offer similar/equivalent product meeting or exceeding written specification.</i>	MODERN DESIGN-INTENT REFERENCE <i>Design intent only - bidder may offer a similar or equivalent item that meets or exceeds the written specification.</i>
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TE-902 - Stage Manager Desk
FULL-COLOUR REFERENCE IMAGE

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TE-903 - Prompt Desk

TE-903 - Prompt Desk FULL-COLOUR REFERENCE IMAGE <i>Reference image: design intent only. Offer similar/equivalent product meeting or exceeding written specification.</i> 	MODERN DESIGN-INTENT REFERENCE <i>Design intent only - bidder may offer a similar or equivalent item that meets or exceeds the written specification.</i>
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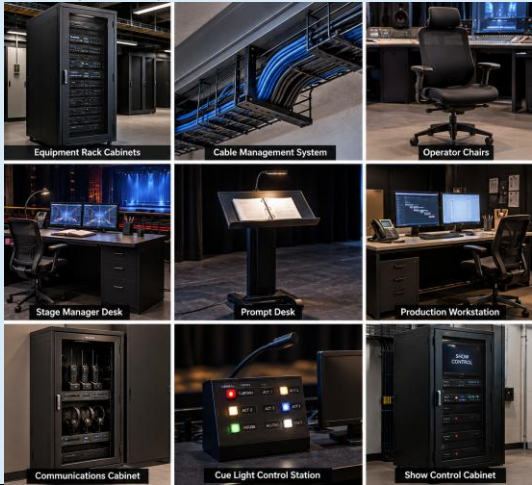
TE-904 - Production Workstation

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TE-905 - Communications Cabinet

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TE-906 - Cue Light Control Station

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TE-907 - Show Control Cabinet

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TE-908 - Conductor Podium

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TE-909 - Professional Music Stands

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TE-910 - Musician Chairs

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TE-911 - Instrument Storage Cabinets

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TE-912 - Choir Risers

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TE-913 - Lectern

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TE-914 - Flight Cases

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TE-915 - Cable Drum Storage Rack

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TE-916 - Lighting Accessory Cabinets

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TE-917 - AV Equipment Cabinets

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TE-918 - Lockable Technical Store Cabinets

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TE-919 - Portable Lectern

TE-919 - Portable Lectern FULL-COLOUR REFERENCE IMAGE Reference image: design intent only. Offer similar/equivalent product meeting or exceeding written specification.  PORTABLE LECTERN PROFESSIONAL DURABLE VERSATILE - PORTABLE & LIGHTWEIGHT - HEIGHT ADJUSTABLE - DURABLE CONSTRUCTION - LOCKABLE CASTORS - EASY ASSEMBLY - IDEAL FOR CONFERENCES, EVENTS & PERFORMANCES SPACIOUS READING SURFACE WITH DOCUMENT LIP HEIGHT ADJUSTMENT LOCKABLE CASTORS INCLUDES CARRY BAG FOR EASY TRANSPORT	MODERN DESIGN-INTENT REFERENCE <i>Design intent only - bidder may offer a similar or equivalent item that meets or exceeds the written specification.</i>
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TE-920 - Mobile Digital Whiteboard Projector

TE-920 - Mobile Digital Whiteboard Projector FULL-COLOUR REFERENCE IMAGE Reference image: design intent only. Offer similar/equivalent product meeting or exceeding written specification.  TE-920 - Mobile Digital White Board Projector FULL-COLOUR REFERENCE IMAGE Reference image: design intent only. Offer similar/equivalent product meeting or exceeding written specification. MODERN DESIGN-INTENT REFERENCE <i>Design intent only - bidder may offer a similar or equivalent item that meets or exceeds the written specification.</i>	MODERN DESIGN-INTENT REFERENCE <i>Design intent only - bidder may offer a similar or equivalent item that meets or exceeds the written specification.</i>
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TE-921 - Audio Equipment Trolley

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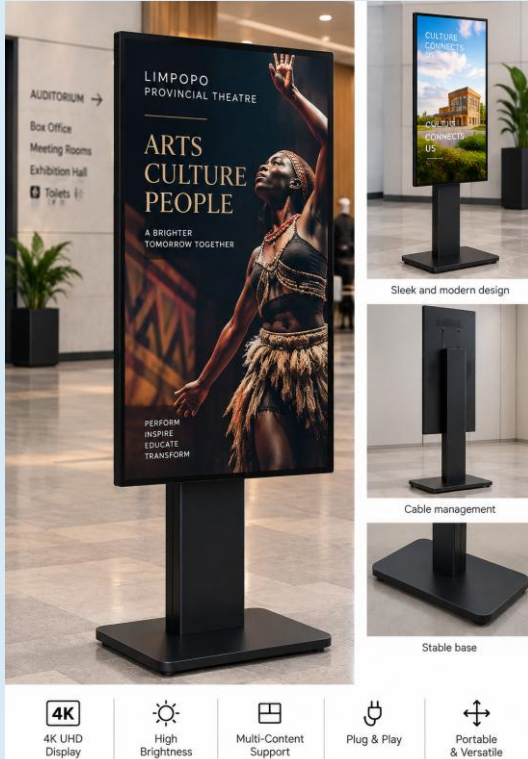
TE-922 - Portable Equipment Rack

TE-922 - Portable Equipment Rack FULL-COLOUR REFERENCE IMAGE Reference image: design intent only. Offer similar/equivalent product meeting or exceeding written specification. 	MODERN DESIGN-INTENT REFERENCE <i>Design intent only - bidder may offer a similar or equivalent item that meets or exceeds the written specification.</i>
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TE-923 - Digital Display Stand

TE-923 - Digital Display Stand
FULL-COLOUR REFERENCE IMAGE

Reference image: design intent only. Offer similar/equivalent product meeting or exceeding written specification.



MODERN DESIGN-INTENT REFERENCE

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REFERENCE IMAGE BASIS: Visual references were selected/reworked against international theatre backstage, professional performance-facility and five-star hospitality furniture precedents. The written specification, dimensions, durability and performance requirements govern over the image.

Technical Coordination and Interface Requirements

Tender principle. Volume 9 is not to be procured as generic office furniture. All consoles, racks, stage-management furniture and technical storage shall be purpose-designed for professional theatre use and coordinated with the final specialist systems. Reference images communicate configuration and quality only; equipment brands shown in images are not prescribed.

Technical precedent basis. The requirements below have been refined against published theatre technical information showing dedicated lighting and sound control positions, digital mixing/lighting consoles, stage-manager desks with talkback/paging/show-relay functions, distributed communications, equipment racks and professional orchestra/stage accessories. The successful bidder shall nevertheless coordinate with the project theatre specialist and approved construction information before manufacture.

Item	Technical / Performance Requirement	Mandatory Coordination / Submission
TE-901 Operator Chairs	24/7-style ergonomic technical operator chair; high-resilience seat, adjustable lumbar support, multi-function synchronised mechanism, adjustable armrests, robust 5-star base and commercial castors. Upholstery to be durable contract-grade fabric or leather-contact surface where approved; minimum 5-year commercial warranty.	Product data, dimensions, material/finish and compliance evidence; sample where requested.

Item	Technical / Performance Requirement	Mandatory Coordination / Submission
TE-902 Stage Manager Desk	Mobile or fixed professional stage-management desk at prompt position. Integrate dedicated zones for talkback/intercom, cue-light control, paging, show relay/vision monitor, clock/timer, task light and work-light controls where these systems are included in the specialist design. Lockable castors if mobile; cable umbilical management; low-glare finish; final configuration by theatre specialist.	Product data + dimensioned shop drawing + finish sample/image. Confirm interface with approved theatre specialist equipment/systems before manufacture.
TE-903 Prompt Desk	Compact prompt-corner desk with script surface, low-glare dimmable task light, clock/timer provision, communication/cue-control mounting space, storage drawer, cable management and silent hardware. Shape and height to preserve stage sightline and operator access.	Product data + dimensioned shop drawing + finish sample/image. Confirm interface with approved theatre specialist equipment/systems before manufacture.
TE-904 Production Workstation	Heavy-duty production office/control workstation with two-screen capacity, lockable pedestal/storage, cable management, equipment charging provision and durable contract-grade finish. Coordinate with production network and communications requirements.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-905 Communications Cabinet	Lockable ventilated 19-inch communications rack/cabinet sized for intercom master stations, paging/show-relay interfaces, network hardware and charging equipment. Provide labelled patching, cable management, earth bonding, rack PDU and 25% spare rack capacity after final equipment installation.	Product data + dimensioned shop drawing + finish sample/image. Confirm interface with approved theatre specialist equipment/systems before manufacture.
TE-906 Cue Light Control Station	Purpose-designed control station/enclosure for the approved cue-light system; clearly labelled controls, protected power supply, service access, cable entry, lockable enclosure where appropriate and interface space adjacent to stage-management position. Functional layout to be approved by theatre specialist.	Product data + dimensioned shop drawing + finish sample/image. Confirm interface with approved theatre specialist equipment/systems before manufacture.
TE-907 Show Control Cabinet	Lockable ventilated technical cabinet/rack for show-control processors/interfaces. Provide 19-inch mounting where required, rack PDU, cable management, network patching provision, earthing, service clearance and spare capacity. Coordinate with lighting, audio, video and stage-management systems.	Product data + dimensioned shop drawing + finish sample/image. Confirm interface with approved theatre specialist equipment/systems before manufacture.
TE-908 Conductor Podium	Professional conductor podium with rigid non-slip carpeted/timber deck, quiet construction, edge protection, stable handrail where required and modular/removable arrangement. Nominal platform 1200 x 1200 x 400 mm; final height and footprint to orchestra pit configuration.	Product data, dimensions, material/finish and compliance evidence; sample where requested.

Item	Technical / Performance Requirement	Mandatory Coordination / Submission
TE-909 Professional Music Stands	Professional orchestral music stand with solid or perforated metal desk, friction/locking height adjustment, heavy stable base, black low-reflectance powder-coated finish and quiet adjustment. Desk approximately 480-520 mm wide; height range suitable for seated and standing musicians.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-910 Musician Chairs	Purpose-designed orchestra chair; armless, firm supportive upholstered seat/back, posture-supporting geometry, quiet glides, stackable where feasible, black contract finish. Not a general banqueting chair. Submit load/durability data and sample for orchestra-user approval.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-911 Instrument Storage Cabinets	Purpose-built musical instrument storage cabinets/racks with ventilated compartments, protective non-abrasive lining/contact surfaces, lockable doors where required and compartment sizing coordinated to instrument types. Avoid generic office cupboards. Final internal layout to approved instrument schedule.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-912 Choir Risers	Portable modular choir risers, commercial performance grade, minimum three levels where scheduled, non-slip carpeted deck, positive locking between modules, guardrails to exposed sides/rear where required, safe access steps and wheeled/storage system. Submit structural load certification and configuration drawing.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-913 Lectern	Premium professional lectern with stable weighted base, reading surface, cable management and concealed provision for gooseneck microphone/control panel where required. Finish to match theatre public-area palette; no exposed loose cabling.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-914 Flight Cases	Professional touring-grade flight cases sized to protected equipment; birch/composite panels, aluminium extrusions, recessed handles, butterfly latches, protective foam where required and heavy-duty braked castors for large cases. Case schedule to be confirmed against final equipment.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-915 Cable Drum Storage Rack	Heavy-duty steel rack designed for theatre cable drums/reels, with retained spindle positions, safe manual handling clearances and labelled bays. Load rating to exceed maximum fully loaded drum weight with safety factor; powder-coated industrial finish.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-916 Lighting Accessory Cabinets	Lockable heavy-duty technical cabinets with adjustable shelves/drawers for clamps, safety bonds, lenses, shutters, gobos and lighting accessories. Full-extension runners for drawers; labelled compartments; 5-star	Product data, dimensions, material/finish and compliance evidence; sample where requested.

Item	Technical / Performance Requirement	Mandatory Coordination / Submission
	commercial/industrial durability rather than domestic cabinetry.	
TE-917 AV Equipment Cabinets	Lockable ventilated AV cabinets/racks with 19-inch mounting where required, removable service panels, cable management, rack PDU, earthing, fan provision and sufficient depth for professional AV equipment. Coordinate with final heat loads and equipment schedule.	Product data + dimensioned shop drawing + finish sample/image. Confirm interface with approved theatre specialist equipment/systems before manufacture.
TE-918 Lockable Technical Store Cabinets	Industrial-grade lockable steel/laminated technical storage with adjustable high-load shelving, anti-tip provision, durable hinges and master-keyable locks. Internal arrangement to suit technical spares, tools and accessories; minimum 5-year cabinet warranty.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-919 Portable Lectern	Lightweight but stable portable lectern with robust transport-safe construction, reading lip, cable/microphone provision and concealed castors or carry arrangement. Premium theatre/conference quality.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-920 Mobile Digital Whiteboard Projector	Commercial-grade mobile interactive digital whiteboard system with 75-86 inch 4K UHD touch display, minimum 20-point multi-touch, integrated whiteboarding/annotation software, wireless screen sharing, HDMI and USB-C connectivity, integrated speakers and height-adjustable heavy-duty mobile stand with lockable castors. Include compatible wireless presentation capability and integrated or mobile projection/presentation functionality where required by the approved AV design. Coordinate network, power, mounting, connectivity and software requirements with the theatre AV/ICT specialist.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-921 Audio Equipment Trolley	Heavy-duty mobile AV/audio trolley with braked castors, ventilated rack or shelf space, cable management, protective bumpers and minimum safe working load suited to equipment. Provide tie-down/retention points where mobile equipment is transported.	Product data, dimensions, material/finish and compliance evidence; sample where requested.
TE-922 Portable Equipment Rack	Shock-resistant portable 19-inch rack/flight rack with front and rear removable lids, recessed handles, butterfly latches, rack rails and ventilation. Rack-unit size and depth to suit final portable equipment schedule.	Product data + dimensioned shop drawing + finish sample/image. Confirm interface with approved theatre specialist equipment/systems before manufacture.
TE-923 Digital Display Stand	Commercial-grade freestanding display stand compatible with scheduled professional display size; concealed cable route, VESA-compatible mounting, anti-tip weighted base and lockable height/tilt adjustment where applicable. Coordinate exact load and VESA pattern with approved display.	Product data + dimensioned shop drawing + finish sample/image. Confirm interface with approved theatre specialist equipment/systems before manufacture.

Volume 9 Testing, Mock-up and Acceptance Requirements

- Before manufacture of bespoke technical consoles, the bidder shall submit dimensioned shop drawings showing equipment footprints, operator clearances, monitor positions, rack spaces, ventilation, cable routes, power/data separation, access panels and interface points.
- Provide a full-size mock-up or representative bay of the principal technical control console where requested by the Employer/theatre specialist. No bulk manufacture shall proceed until written approval.
- At installation, demonstrate smooth operation of all moving components, castors, locks, drawers, access panels and cable-management systems; verify that equipment can be installed and serviced without dismantling permanent joinery.
- All technical furniture shall be quiet in operation, free from rattles and sharp edges, suitable for intensive public-performance use and maintainable with replaceable hardware.
- Electrical/electronic theatre systems themselves are to be commissioned under the applicable specialist package. The FF&E supplier remains responsible for physical fit, support, ventilation, access and coordination of its furniture/racks with those systems.

Bidder: _____ Authorised signatory: _____

Date: _____