

| | | | | | |
|---|---------------|----------------------------|------------------|------------|---|
|  | SCOPE OF WORK | Template Identifier | 240-76879530 | Rev | 2 |
| | | Effective Date | 01 February 2014 | | |
| | | Review Date | June 2026 | | |

1. Description of Service/ product that needs to be provided (Use high level and short text format), and if necessary, add a spreadsheet.

Resourcing of acoustic upgrade of one studio with on-air broadcasting equipment, production equipment, installation, and training.

2. Scope of work/supply

Resourcing of acoustic upgrade of one studio with on-air broadcasting equipment, production equipment including delivery, installation, and training.

3. Specification of Product or Goods

| Studio 2 Broadcast Equipment | | | |
|------------------------------|---|---|---|
| Item | Description | Model | Qty |
| 1 | Digital Broadcast Mixer - 12 Faders | Wheatstone IP 12 Broadcast Console with IP88CB32 Console Blade | 1 |
| 2 | Bluetooth Audio Adapter | Logitech BT 980 Audio Technica BP40 Audio Technica AT8484 PS2 (Shockmount for BP40) | 2 |
| 3 | Radio Presenter Microphone (Dynamic) | | 4 |
| 4 | Microphone Accessory | | 4 |
| 5 | Boom Arm Microphone Stand | | YellowTec YT3601 Microphone Arm - Black |
| 6 | Boom Arm Microphone Stand Accessory | YellowTec YT321 Stainless Steel Busing for Desk Mounting Rode DS-2 Desktop Studio Arm Samson SR-850 (or equivalent) Mackie HM-4 Mackie ProFX12 V3+ Mackie CR8-XBT (Pair) | 1 |
| 7 | Table Microphone Stand | | 3 |
| 8 | Studio Headphones | | 8 |
| 9 | Headphone Amplifier (4-Channel) | | 2 |
| 10 | Multi-Purpose Mixer (7 Mic, 4 Stereo, 2x4USB, FX, BT) | | 1 |
| 11 | 8" Active Monitor Speakers (with BlueTooth) | | 1 |
| 12 | Portable IP Audio Codec | Comrex Access NX Portable | 1 |

Controlled Disclosure

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

| | | | |
|----------------------------|------------------|------------|---|
| Template Identifier | 240-76879530 | Rev | 2 |
| Effective Date | 01 February 2014 | | |
| Review Date | June 2026 | | |

| | | | |
|----|--|--|---|
| 13 | Portable Codec Accessory - Mixer | Comrex Access NX Mixer (4-Channel, headphone amps and external feeds) | 1 |
| 14 | Broadcaster Stereo Headset With Cardioid Mic | Audio Technica BPHS2C | 2 |
| 15 | Portable Codec Accessory - LTE Modem | Comrex Access NX Connect Modem and Mount (International Version) | 1 |
| 16 | Portable Codec Accessory - Carry Case | Comrex Access NX Small Case includes cutout for NX Mixer | 1 |
| 17 | Rackmount IP Audio Codec | Comrex AccessNX Rackmount | 1 |
| 18 | Studio Furniture and Racking | Blue Cow Split Level On-Air System - 36U Rack Space | 1 |
| 19 | Studio Chairs | Industrial Operator's Chair | 4 |
| 20 | On-Air Light System - Light fixtures | Blue Cow RED/GREEN LED Panel | 3 |
| 21 | On-Air Light System - Switching System | Blue Cow Mixer Logic Interface and Light Driver | 1 |
| 22 | Rackmount Gigabit Network Switch | Cudy 16Port Gigabit Switch (or equivalent) | 2 |
| 23 | Distribution Amplifier | Rolls RA63B (8 Mono/4 Stereo) (or equivalent) | 1 |
| 24 | Studio - Final Control Patch Panel | Patchbay for LAN, AoIP and Audio with Patch leads | 2 |
| 25 | Interconnect Wiring (per studio) | Audio/Network connections between Studio and Final Control (500m CAT6) Furman M-10X E (10A, 11 outlets) | 1 |
| 26 | Surge Protection/Power Distribution | | 1 |
| 27 | Studio Installation Hardware | Mounting brackets, electrical items, fasteners, trunking, etc | 1 |
| 28 | Wiring Harness | High Quality Audio, Network and Power Cable and Connectors | 1 |

Sub Total Broadcast Studio Equipment

Studio 2 News Booth Equipment

| Item | Description | Model | Qty |
|------|---|---|-----|
| 1 | News Mixer (2 Mic, 2 Stereo, 2x4USB, FX) | Mackie ProFX6 v3 Audio Technica BP40 Audio Technica AT8484 PS2 (Shockmount for BP40) | 1 |
| 2 | Radio Presenter Microphone (Dynamic) | | 2 |
| 3 | Microphone Accessory | | 2 |
| 4 | Boom Arm Microphone Stand | YellowTec YT3601 Microphone Arm - Black | 2 |
| 5 | Boom Arm Microphone Stand Accessory | YellowTec YT321 Stainless Steel Busing for Desk Mounting Mackie HM-4 Mackie CR-X4BT (Pair) | 2 |
| 6 | Headphone Amplifier (4-Channel) | | 1 |
| 7 | 4" Active Monitor Speakers (with Bluetooth) | | 1 |
| 8 | Studio Furniture and Racking | Blue Cow Production System - 12U Rack Space | 1 |
| 9 | Studio Chairs | Industrial Operator's Chair | 2 |
| 10 | On-Air Light System - Light fixtures | Blue Cow RED/GREEN LED Panel | 2 |

Controlled Disclosure

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

| | | | |
|----------------------------|------------------|------------|---|
| Template Identifier | 240-76879530 | Rev | 2 |
| Effective Date | 01 February 2014 | | |
| Review Date | June 2026 | | |

| | | | |
|----|--|--|---|
| 11 | On-Air Light System - Switching System | Blue Cow On_Air Light Speaker Mute Controller and Light Driver | 1 |
| 12 | Studio - Final Control Patch Panel | Patchbay for LAN, AoIP and Audio with Patch leads | 1 |
| 13 | Interconnect Wiring (per studio) | Audio/Network connections between Studio and Final Control (500m CAT6) Furman M-10X E (10A, 11 outlets) | 1 |
| 14 | Surge Protection/Power Distribution | | 1 |
| 15 | Studio Installation Hardware | Mounting brackets, electrical items, fasteners, trunking, etc | 1 |
| 16 | Wiring Harness | High Quality Audio, Network and Power Cable and Connectors | 1 |

Sub Total Broadcast Studio Computer

Studio 2 Computers and Software

| Item | Description | Model | Qty |
|------|--|--|-----|
| 1 | Studio Tower Computer (with storage drive) | Custom Build: i7/32GB/500GB M2 SSD/4TB HDD/Dual Graphics+LAN/Win11 Pro | 2 |
| 2 | Studio Tower Computer (with storage drive) | Customised Proline Titanium Plus i5/16GB/500GB SSD/2TB HDD/Dual LAN/Win11 Pro | 1 |
| 3 | 21.5" Monitor | AOC-22E2H (or equivalent) | 7 |
| 4 | Tablet Computer (App-based Calling) | Samsung Galaxy Tab A9+; 11" WUXGA 4+64GB; Single SIM; 5G; 8MP AF + 5MP; Android 11.0 Radioboss Standard | 1 |
| 5 | Playout/Scheduling Software | | 1 |
| 6 | AoIP Virtual Soundcard | WheatNet Two Channel Audio Driver (RadioBoss, RCS, Internet and News) | 4 |

Sub Total Broadcast Studio Computer

Studio 2 DJ Workstation

| Item | Description | Model | Qty |
|------|-----------------------|---|-----|
| 1 | USB Player Controller | Pioneer XDJ-1000Mk2 | 2 |
| 2 | DJ Mixer | Pioneer DJM750K Mk2 | 1 |
| 3 | DJ Monitor Speakers | Wharfedale Titan AX12 B | 2 |
| 4 | Installation Hardware | Speaker Mounting brackets, electrical items, fasteners, trunking, etc | 1 |

Sub Total DJ

Studio 2 Building Repair, Electrical and Transmission Re-Fit

| Item | Description | Model | Qty |
|------|--|-------|-----|
| 1 | Budget Amount for building works and renovation of existing rooms for studio use as appropriate: Remove, re-install and waterproof studio roof Install new studio ceiling with insulation layer and 2 x 12mm ceiling board. Partition to Create News Booth in Studio 2 New door to News booth Reclaim and re-install existing studio window to News Booth Replace existing studio flooring with Berber point 920 carpet tiles or similar | | 1 |

Controlled Disclosure

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

| | | | |
|----------------------------|------------------|------------|---|
| Template Identifier | 240-76879530 | Rev | 2 |
| Effective Date | 01 February 2014 | | |
| Review Date | June 2026 | | |

| | | | |
|----|--|---|----|
| | Install New Acoustic Panels Re-enforce and paint studio walls in high quality washable velvet finish paint. Install new Light fixtures and switching | | |
| 2 | Service Air-Conditioner - Studio 2 | Budget Amount | 1 |
| 3 | New Air-Conditioner and Ventilation - News Booth | Budget Amount | 1 |
| 4 | Rackmount Inverter | LINKQNET 5KVA RACKMOUNT 48VDC XRT ONLINE UPS INVERTER (or equivalent) | 1 |
| 5 | Rackmount Inverter Battery | LINKQNET LIFEPO4 51.2V 100AH RACKMOUNT BATTERY (or equivalent) | 2 |
| 6 | Equipment Rack for Inverter Equipment | 18U 600x800 Cabinet, Glass Door, 2xFans | 1 |
| 7 | 250w FM Exciter with Stereo Encoder | BSE EX-250LD | 1 |
| 8 | FM Antenna | BSE FMD500A Aluminium Dipole | 2 |
| 9 | FM Antenna Power Splitter Cables | 6M x 1/2" Cables with 7/16" Connectors | 2 |
| 10 | Antenna Mounting Hardware | Brackets, fasteners, etc for 2 dipoles | 1 |
| 11 | FM Antenna Power Splitter (2-way) | BSE FMSP2/L | 1 |
| 12 | Antenna Feeder Cable (Budget Amount) | 30m Feeder Cable, Connectors, Hangers | 1 |
| 13 | Aviation Warning Light | Solar Powered Red LED light with daylight sensor and mast bracket | 1 |
| 14 | Electrical Installation (Budget Amount) | Re-Run Supply line, Breakers and Earth Leakage as required | 1 |
| 15 | Acoustic Panelling | High Absorption Wall Treatment (per sq. metre) | 40 |
| 16 | Studio Lighting (Budget Amount) | LED Work and Décor Lighting and Switches | 1 |

Sub Total Studio Construction

System Design, Manufacture, and Installation

| Item | Description | Model | Qty |
|---|------------------------------------|---|-----|
| 1 | Design, Drafting and Documentation | System Design, Wiring Diagrams and Manual Preparation | 4 |
| 2 | Workshop Engineering (per day) | Pre-configuration and Wiring Manufacture | 12 |
| 3 | On-site Engineering (per day) | Equipment Installation and Testing | 10 |
| 4 | On-site Training (per day) | User Orientation and System Customisation | 4 |
| Subtotal Design, Installation and Training | | | |
| Add VAT @15% | | | |
| Total Offered Price | | | |

Controlled Disclosure

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

| | | | | | | |
|---|---------------|----------------------------|------------------|------------|---|--|
|  | SCOPE OF WORK | Template Identifier | 240-76879530 | Rev | 2 | |
| | | Effective Date | 01 February 2014 | | | |
| | | Review Date | June 2026 | | | |

Controlled Disclosure

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.