

REQUEST FOR QUOTATION (RFQ)

Scope of Work: Supply of Electrical Installation Material

1. Background and Purpose

This Request for Quotation (RFQ) is issued for the procurement of electrical installation materials required for the installation of a new FM transmitter system at the Sentech Brixton Tower site.

Suitably qualified suppliers are invited to submit quotations for the supply and delivery of the electrical materials listed in Section 3. All materials supplied shall be new, fit for purpose, and compliant with the technical requirements and applicable South African standards specified in this RFQ.

2. Project Information

Site / Location	Brixton Tower
Project	New transmitter installation – electrical reticulation and cable containment spares
Estimated budget	
Delivery address	Sentech Tower, Symons and Putney rd. Jan Hofmeyer, Johannesburg
Enquiries	Quotations5@sentech.co.za

3. Scope of Supply

Bidders are required to quote on the full list of items below. All items must meet the general and technical requirements set out in Section 4.

Item	Description	Qty	Unit	Unit Price (excl. VAT)
1	SWA cable, 4 x 16mm ²	60	m	
2	Cable gland, size 3	6	each	
3	Rubber shroud, size 3	6	each	
4	Green earth conductor, 16mm ²	60	m	
5	Cable lug, 16mm x 8mm (packet)	1	pkt	
6	Copper strap, 25mm x 3mm	30	m	
7	Heavy duty cable tray, electrical orange, 300mm x 40mm, with joint kits	15	m	
8	Heavy duty cable tray, galvanized, 300mm x 40mm, with joint kits	15	m	
9	Cable tray bend, 300mm x 40mm, electrical orange	4	each	
10	Cable tray bend, 300mm x 40mm, galvanized	4	each	

11	Cable tray, electrical orange, 100mm x 40mm, with joint kits	9	m	
12	Cable tray inner drop down, 100mm x 40mm	3	each	
13	Cable tray outer drop down, 100mm x 40mm	3	each	

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RFQ – Brixton Tower Transmitter Installation Spares

Item	Description	Qty	Unit	Unit Price (excl. VAT)
14	Weatherproof Surface-Mount Distribution Board (DB), IP65, 4-Way, complete with DIN rail and transparent cover	6	each	
15	Type 1 + Type 2 Surge Protection Device (SPD), 2Pole (1P+NPE), 275 VAC, minimum 30 kA–60 kA discharge capacity, complete with replaceable cartridges	6	each	

4. Technical and General Requirements

Bidders must ensure that all items supplied meet the following minimum requirements:

- All cable, cable tray, and accessories shall be new, unused, and free from defects.
- SWA cable shall be 4-core, 16mm² copper conductor, PVC/SWA/PVC construction, Fire-Retardant, rated for the applicable installation voltage.
- Earth conductor shall be 16mm² green/green-yellow PVC insulated copper conductor.
- Cable glands and rubber shrouds shall be size 3 and compatible with the specified SWA cable.
- Cable lugs shall be 16mm² to 8mm stud, copper, tinned or as per site standard, supplied in packets as specified.
- Copper earth strap shall be 25mm x 3mm, bare copper, suitable for outdoor tower earthing applications.
- Cable tray (300mm x 40mm and 100mm x 40mm) shall be heavy duty, supplied in two finishes: hot-dip galvanized and electrical orange (powder-coated or similarly rated for electrical containment), complete with joint/coupler kits.
- Tray bends (300mm x 40mm) shall be supplied in matching galvanized and electrical orange finishes.
- Inner and outer drop-down pieces (100mm x 40mm) shall match the specified tray system and finish.
- All materials shall comply with applicable SANS/IEC standards for electrical cable, containment, and earthing systems, and with any relevant tower/telecommunications site standards.
- Bidders shall provide manufacturer/brand details, and where applicable, compliance certificates (e.g. SABS mark) with their quotation.

