

REQUEST FOR QUOTATION (RFQ) (*Revised Version B1*)

Design, Supply, Delivery, Installation, Commissioning and Certification of Compliance of Concrete Columns, Shipping Container and Concrete Slabs

1. INVITATION TO QUOTE

SAAO invites suitably qualified and experienced Service Providers to submit quotations for the **design, supply, delivery, installation, commissioning and certification** of:

- Six (6) concrete columns
- One (1) 6m (20ft) shipping container
- Three (3) concrete slabs

at the SAAO SUTHERLAND Site, Northern-Cape.

2. PROJECT OVERVIEW

2.1 Location

SAAO SUTHERLAND, Northern-Cape, approximately 370 km from Cape Town, Western-Cape.

2.2 Project Objective

To provide a fully functional, compliant, and installed container structure supported on engineered concrete columns and concrete slabs, ready for operational use.

3. SCOPE OF WORK

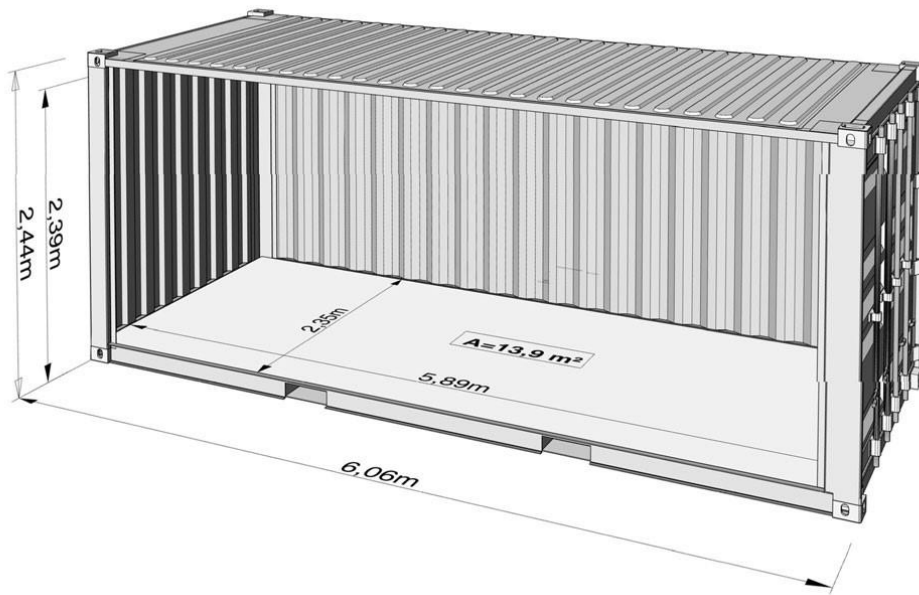
The Service Provider shall provide a **complete turnkey solution**, including all labour, materials, plant, transport, supervision, and associated services required.

3.1 Design & Engineering

- Prepare all structural, civil, and electrical designs
- Winning Bidder to submit detailed construction drawings for approval prior to construction
- Ensure designs are certified by a registered professional (Engineer/Architect)

3.2 Container Supply & Installation

- Supply a compliant 6m (20ft) ISO shipping container as per picture below
- Transport, offload, position, and secure container to foundations



Picture 1: 6m/20ft Shipping Container

3.3 Concrete Columns

- Construct six (6) reinforced concrete/brick columns (600mm x 600mm) for shipping container
- Service provider to determine appropriate height above ground level
- Install anchoring system for container stability

3.4 Concrete Slabs

- Construct three (3) concrete pad foundations with welded steel mesh as specified at various locations.

3.5 Electrical Installation

- Install internal lighting, sockets, and distribution board
- Ensure full compliance with SANS 10142-1
- Issue Certificate of Compliance (CoC)

3.6 Testing & Commissioning

- Conduct concrete slump and cube tests
- Test electrical systems
- Commission and hand over complete installation

4. TECHNICAL SPECIFICATIONS

4.1 Container Requirements

- Size: 6m x 2.5m
- Condition: New or high-quality used (no structural defects)
- Finish: Anti-corrosive primer and white paint
- Roof: Waterproofed and sealed
- Insulation:
 - Floor must be 22mm Shutterply/Plywood with Industrial Polyurethane non-slip coating
 - Walls and Ceiling must be 50mm white ISO Board with 12mm Oriented Strand Board (OSB) covering. Recess areas of container must be filled with thermal insulation panels. All gaps and joints must be properly sealed with industrial material.
- Flooring: Industrial polyurethane non-slip coating

4.2 Doors

- Double doors: lockable, 180° opening
- Single access door: lockable aluminium/stainless steel, weatherproof with cabin hooks

4.3 Electrical

- LED lighting (minimum two double channel vapour proof fittings)
- 220V 16 Amps double socket
- IP65 weatherproof external lockable distribution board with DIN-RAIL protection devices (Main Breakers, Circuit Breakers, Earth Leakage, etc.). All components must be surface mounted.
- Full compliance with SANS standards

4.4 Concrete Columns

- Quantity: 6
- Size: 600mm x 600mm
- Reinforced and constructed to SABS standards
- Anchor posts at each container corner



Picture 2:

Concrete Column

With Anchor Post



Picture 3: Shipping Container on Concrete Columns

4.5 Concrete Foundations

- 3000 x 2000 x 200 mm pads (1 units) – in front of shipping container double door
- 2000 x 1000 x 150 mm pads (1 units) – in front of existing equipment room
- 750 x 600 x 200 mm pads (1 unit) – in front of single door of shipping container
- All three (3) concrete foundations must have steel welded mesh
- Strength: 25 MPa concrete
- Testing: Slump and cube strength verification required

5. SITE CONDITIONS & CONTRACTOR RESPONSIBILITIES

The Service Provider shall:

- Visit and familiarise themselves with site conditions
- Provide own power supply for construction activities
- Provide temporary facilities (toilets, storage, etc.)

- Ensure site security during construction
 - Remove all rubble and dispose at approved municipal sites
 - Minimise disruption, dust, and debris
 - Provide proper protection and erect any temporary tarpaulins and demarcation that may be necessary during the progress of construction.
 - Working hours are between 8:00am to 17:00. These periods must be strictly adhered to. No working after 17:00.
 - Construction vehicles must only use tar road to site.
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6. COMPLIANCE & STANDARDS

All work shall comply with:

- Applicable SANS 10400 regulations
 - SANS 10142-1 (Electrical installations)
 - Relevant ISO standards
 - Issuing of certification of all Compliance of Electrical and Civil Works
 - Local authority regulations
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7. HEALTH & SAFETY

The Service Provider shall:

- Comply with the Occupational Health and Safety Act
 - Appoint a Construction Manager
 - Appoint Safety Officers and Supervisors as required
 - Maintain a site-specific Health & Safety Plan
 - Provide all required PPE and safety controls
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8. DELIVERABLES

The Service Provider must provide:

- Approved construction drawings
- As-built drawings
- Test results (concrete and electrical)
- Certificates of compliance

- Warranty documentation (minimum 12 months)
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9. TRANSPORT & INSTALLATION

- All transport costs are for the Service Provider's account
 - Include abnormal load requirements if applicable
 - Full responsibility for offloading and installation
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10. COMMERCIAL TERMS

10.1 Warranty

Minimum 12-month warranty on workmanship and materials.

10.2 Liability

The Service Provider is responsible for any damage to existing infrastructure.

11. SUBMISSION REQUIREMENTS

Bidders must submit:

- Detailed pricing aligned with Bill Of Quantities
- Project programme and timeline
- Methodology and technical approach
- Company experience and references
- Qualified personnel with at least five years of relevant experience in construction and installation projects
- Certifications and accreditations
- Health & Safety plan
- Quality control plan
- CIDB Grading of 1 or higher.
- Submit your company's signed Occupational Safety, Health, and Environmental (SHE) policy
- Submit a valid proof of Compensation for Occupational Injuries and Disease Act (COIDA), issued by the Depart of Labour
- Insurance cover of at least R 2 million for public liability, product liability, and/or professional indemnity

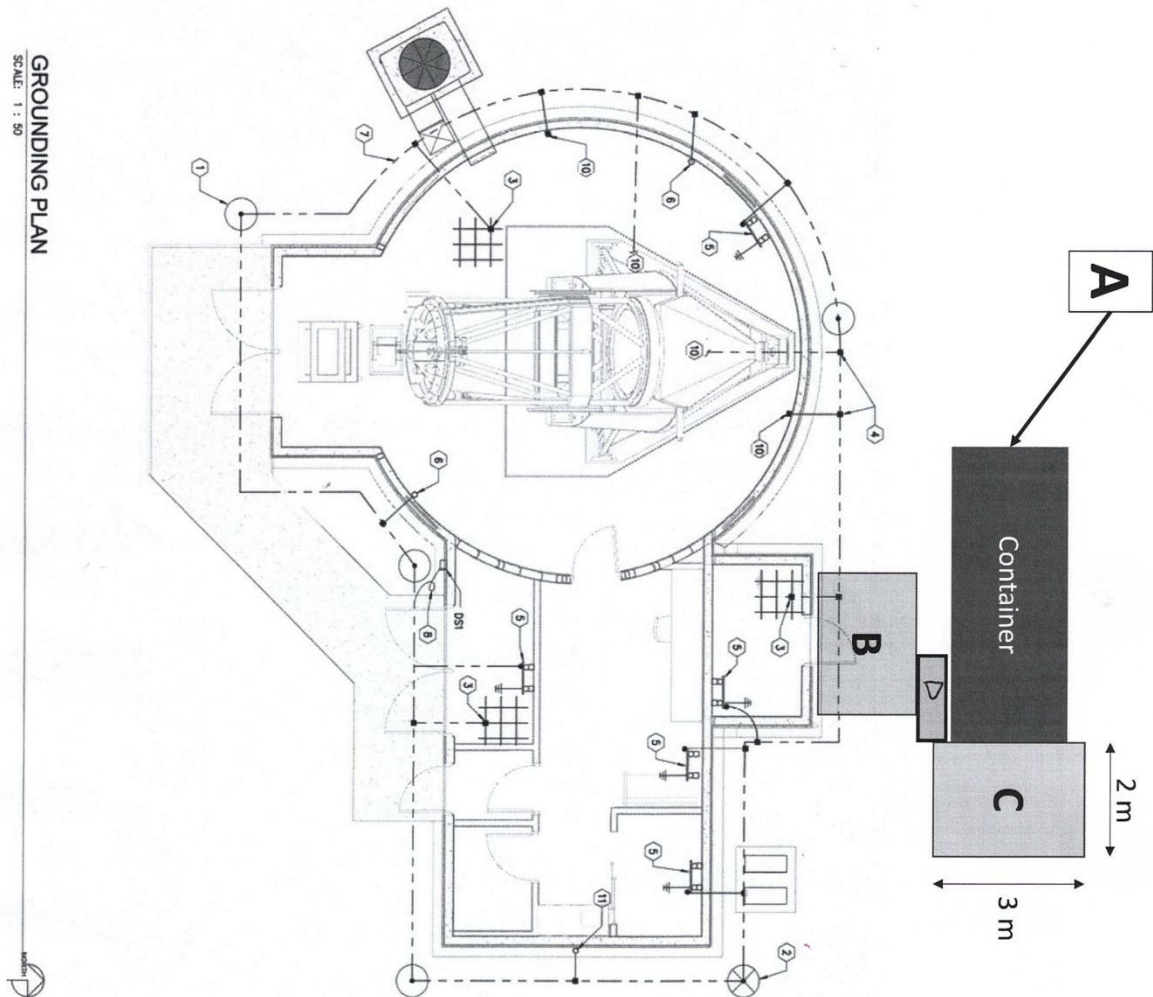
12. GENERAL CONDITIONS

- The Service Provider is responsible for verifying all site dimensions
- All work must be completed to the satisfaction of the SAAO
- No additional claims due to lack of site inspection will be accepted
- The SAAO reserves the right to amend drawings during the contract

13. DISCLAIMER

SAAO provides conceptual specifications only and accepts no liability for final design.
The appointed Service Provider must produce fully compliant, certified designs for construction.

14. SUGGESTED GROUND PLAN



END OF RFQ