



CITY OF CAPE TOWN  
ISIXEKO SASEKAPA  
STAD KAAPSTAD

## TRANSMISSION SYSTEM DEVELOPMENT

Electricity Generation and Distribution

Making progress possible. **Together.**

247Q/2025/26

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**DESIGN, MANUFACTURE, SUPPLY AND  
INSTALLATION OF 132 KV UNDERGROUND CABLE  
AND ACCESSORIES FOR GUGULETHU - MITCHELLS  
PLAIN**

# Outline

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- Introduction
- Tender clarification by City of Cape Town
- Previous / Recent Clarification questions received
- Questions from Tenderers

# Introduction

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- Non-compulsory meeting
- Emphasize certain key aspects of the tender and clarify areas of uncertainty. This is not a comprehensive discussion of the tender document.
- Unless a formal notice is issued by the CCT, the tender document is to be viewed as correct. Anything stated at the clarification meeting that could alter the tender document is therefore not enforced unless it is contained in a formal notice to tenderers.
- Closing date: 7 July 2026 @ 10:00

**Tenderers must note that wherever this document refers to any particular trade mark, name, patent, design, type, specific origin or producer, such reference shall be deemed to be accompanied by the words “or equivalent”.**

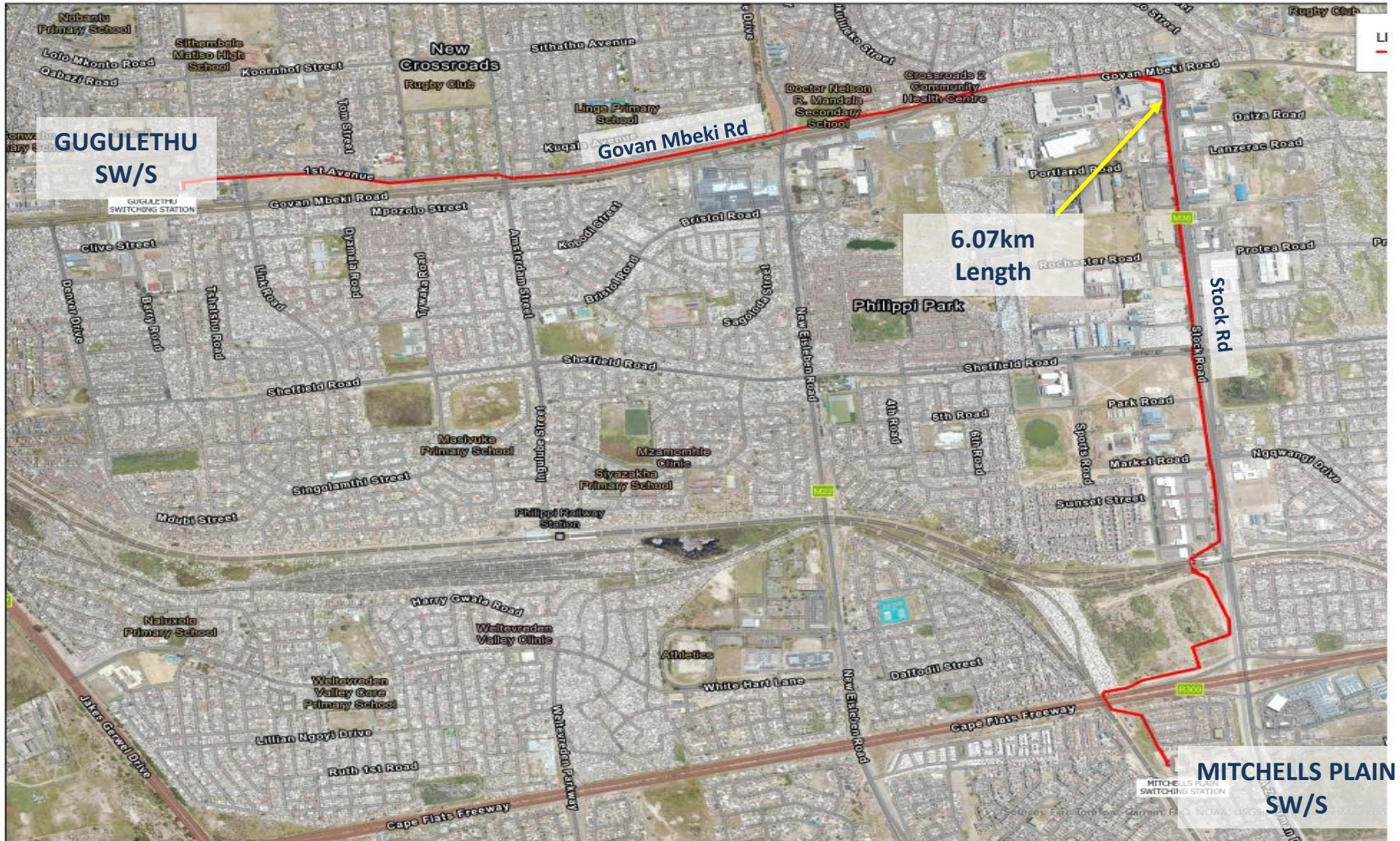
# Tender Clarification by City of Cape Town

## Scope

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- The main scope entails:
  - Design, Manufacture, Supply and Installation of new 132 kV cable, for 2 feeders, rated for 300 MVA (at 70deg sheath), between Gugulethu SW/S – Mitchells Plain SW/S.
- Schedule of Quantities consist of:
  - Section A – P&Gs for entire scope
  - Section B – Cable, Accessories, Construction material, Jointing works, Civil works  
EMP and Revegetation
  - Section C – Spares Relating to all sections
- Note: Tenderers needs to submit two system designs
  - The current intended installation between Mitchells Plain and Gugulethu Switching Station, and
  - The future loop in into the future Eskom Erica Main Transmission Station as indicated on the drawings

# Tender Clarification by City of Cape Town Location



# Tender Clarification by City of Cape Town

## Eligibility

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1. Estimated CIDB Grading: **9EP**
  2. Compliance with CCT SCM Policy and Procedures
  3. Good standing with Bargaining Council
  4. **No** Local content
  5. Functionality
    1. Key Staff / Personnel
    2. Track Record of Equipment
    3. Experience of Tenderer
  6. Type test certificates
  7. Compliance with the Technical Requirements and Data sheets
- ❖ Failure to comply with Eligibility Criteria will result in tenderer being non-responsive / disqualified

# Tender Clarification by City of Cape Town

## Functionality - Key personnel

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To be considered for functionality points Tenderer must have the following key personnel in its permanent employment at the close of tender **OR** alternatively, a signed undertaking from a specialist company having the required personnel :

- **Contractor Representative**

(B-Tech / BSc in Electrical Engineering or Project Management– which undertaken at least 5 (five) HV Cable Projects with similar scope, remember to indicate previous experience in managing FIDIC contracts)

- **Foreman / Construction Supervisor**

(A qualified artisan with least 5 (five) years experience & 5 x HV cable 1 km and longer projects)

- **Jointer** (minimum 2x jointers)

(A qualified artisan certified by manufacturer - completed at least 5 (five) HV cable jointing / terminations projects)

**NOTE: CVs for all Key Staff to be submitted with tender”**

- **CVs shall include Contactable References**

# Tender Clarification by City of Cape Town

## Functionality - Track record of Equipment

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### Track record of Equipment:

- Number of installations of similar equipment and similar scope/complexity with proven reliability commissioned in last 15 years :

Minimum = 6 Installations in SA commissioned with a service history  $\geq 5$  years

Or

Minimum = 16 Installations in Africa commissioned with a service history  $\geq 5$  years

Or

Minimum = 26 Installations Internationally commissioned & service history  $\geq 5$  years

# Tender Clarification by City of Cape Town

## Functionality – Experience of Tenderer

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Track record of Tenderer / Manufacturer:

- **Demonstrated Experience of Tenderer/Manufacturer**

- Number of projects undertaken by tenderer in last 10 years of similar scope to the tender :

Minimum = 6 projects in SA undertaken with similar scope

Or

Minimum = 26 projects Internationally undertaken with similar scope

# Tender Clarification by City of Cape Town

## Part C3.5 – Management of Contract

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### 1. Temporary Employment of Community Liaison Officer (CLO)

*Local Ward Councillor to provide list of candidates & Final Selection and Appointment is the responsibility of the Contractor*

| Item No. | Description  | Unit   | Unit Rate (R) | Quantity | Total Price (R) |
|----------|--|--------|---------------|----------|-----------------|
| 52       | Community Liaison Officer (CLO) Appointment as per C1.8 of Contract Data | p/week | R2 100.00     | **       |                 |
| 53       | Percentage Mark-up on CLO rate – Item 52                                 | %      |               |          |                 |

### 2. Contract Participation Goal for TARGETED LABOUR (CPG<sub>L</sub>) = **1.0%**

*It is a requirement of this contract that the work be executed in such a manner to maximise the use of labour intensive construction methods thus, “Expanded Public Works Programme (EPWP)”*

# Tender Template changes to the Preference point system

- The tender will be evaluated in terms of the requirements of the Preferential Procurement Regulations and SCM Policy.
- Preference points shall be based on the Specific Goals as mentioned in Table B2.

**Table B2: Awards above R50 mil (VAT Inclusive)**

| #  | Specific goals allocated points  | Preference Points (90/10) |
|--|--|---------------------------|
| <i>Reconstruction and Development Programme (RDP) as published in Government Gazette</i> |  |                           |
| 1  | <p><b>Promotion of Micro and Small Enterprises</b></p> <p><i>Micro with a turnover up to R20million and Small with a turnover up to R80 million as per National Small Enterprise Act, 1996 (Act No.102 of 1996)</i></p> <p><i>SME partnership, sub-contracting, joint venture or consortiums</i></p>   | 4                         |
| 2  | <p><b>Enterprise Supplier Development and Socio Economic Development</b></p> <p><i>&gt; 15% of total expenditure = 3 points</i></p> <p><i>&gt; 10% up to 15% of total expenditure = 2 points</i></p> <p><i>&gt;= 5% up to 10% of total expenditure = 1 points</i></p> <p><i>&lt; 5% of total expenditure = 0 points</i></p>  | 3                         |
| 3  | <p><b>Skills Development OR Employee Share Scheme</b></p> <p><i>Skills Development</i></p> <p><i>&gt; 5% of total profit = 3 points</i></p> <p><i>&gt; 3% up to 5% of total profit = 2 points</i></p> <p><i>&gt;= 1% up to 3% of total profit = 1 points</i></p> <p><i>&lt; 1% of total profit = 0 points</i></p> <p><i>OR Employee Share Scheme</i></p> <p><i>&gt; 15% employee ownership = 3 points</i></p> <p><i>&gt; 10% up to 15% employee ownership = 2 point</i></p> <p><i>&gt;= 5% up to 10% employee ownership = 1 point</i></p> <p><i>&lt; 5% employee ownership = 0 point</i></p> | 3                         |
| <b>Total points</b>  |  | <b>10</b>                 |

# Tender Clarification by City of Cape Town

## Pricing assumptions

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Only the Schedule of Rates may be completed electronically as described in C.2.13.11 of the Tender Data.

### **Pricing Assumptions (p.85)**

- If the Tenderer wishes to complete the Schedule of Quantities on separate sheets, the Tenderer must use the same Item numbers and must tender for every Item. (Refer to clause 11 above) In other words, an EXACT REPLICA of the Schedule of Quantities as found in the tender must be used.
- The rest of the tender must be completed in non-erasable black ink, by hand

# Tender Clarification by City of Cape Town

## Pricing assumptions

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### Pricing Assumptions (p.85)

- Clause 2 – Estimated quantities are set out in the Schedules of Rates. The final Contract Price shall be computed from the actual quantities of work done.
- Clause 5 – A price or rate is to be entered against each item in the Schedules of Rates.
  - An item against which no rate (or e.g. a zero, a dash or the word “included” or abbreviations thereof) is entered, will also be regarded as to be covered by the other prices or rates in the Schedules of Quantities.

The Tenderer may be requested to clarify nil rates, or items regarded as having nil rates; and the Employer may also perform a risk analysis with regard to the reasonable of such rates.

# Tender Clarification by City of Cape Town

## Pricing assumptions

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### Pricing Assumptions (p.85)

- Clause 25 – The rate for supplying timber for trench shoring shall be a rental rate only. The rental quantity shall be for two (2x) sections only, and this quantity will be re-used for all other sections on the route, for the duration of the works.
- Clause 26 – The rate for installation of trench timbering/ shoring shall include all material, labour and incidental civil excavation works to install shoring in accordance to the contractors trench layout design. The additional excavation volumes required to install the shoring over the approved/design trench width shall be priced in the installation rate.
- Clause 27 – The Employer made provision in the Schedules of Quantities for the following cable lengths
  - a. jointing tolerances PER END;
  - b. cable length variances as a result of directional drilling/ thrust boring (both in height & width)
  - c. tolerances associated with installation of the cable (i.e. spacing of cables at road crossings and joint bays with different configuration)
- Note – Any additional cable lengths on the cable drum, including lengths required for FAT, Tail-ends (coiled around the drum core) and head of the pulling eye, which is considered not suitable for installation, shall be for the contractor's account and shall not be added to the final measured section lengths for payment.
- The contractor shall make provision in the trench excavation rate for adequately barricading to protect personnel and the general public

# Tender Clarification by City of Cape Town

## Schedule of Quantities (C2.2)

### Pricing BOQ – Specialist Civil Engineering Service –

Provision made in BOQ for possible R300 Freeway Directional Drill



|      |   |     |  |   |  |
|------|---|-----|--|---|--|
| 50   | <b>Specialist Civil Engineering Services</b><br>(Only to be provided on instruction of the Employer)  |     |  |   |  |
| 50.1 | Design of a 2 – 2.5m high temporary ramp at R300 – Railway bridge to facilitate Directional drilling/ thrustbore equipment (refer drawings) | lot |  | 1 |  |
| 50.2 | Onsite Construction Monitoring of 2 - 2.5m high temporary ramp  | lot |  | 1 |  |

#### SCHEDULE 27.1: TECHNICAL REQUIREMENTS AND DATA SHEETS Cont'd

##### 1. GENERAL PARTICULARS (continued)

| Item   | Description   | Particulars |
|--------|---|-------------|
| 10.2   | Directional Drilling (12 x 210 & 8 x 75 mm diameter): |             |
| 10.2.1 | Rochester Road  | m 19        |
| 10.2.2 | Sheffield Road  | m 38        |
| 10.2.3 | Market Road   | m 25        |
| 10.2.4 | Railway   | m 58        |
| 10.2.5 | R300 Road   | m 55        |



# Tender Clarification by City of Cape Town

## Schedule of Quantities (C2.2)

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### Pricing BOQ – Security Items

|      |  |          |  |     |  |
|------|--|----------|--|-----|--|
| 42.  | <b><u>Site security:</u></b>   |          |  |     |  |
| 42.1 | Unarmed guard with dog during cable installation - (refer to Vol 3A for details) nights & weekends | per week |  | 125 |  |

|      |  |          |  |    |  |
|------|--|----------|--|----|--|
| 42.2 | Unarmed guard only during cable installation (refer to Vol 3A for details) day time normal week  | per week |  | 85 |  |
| 42.3 | Security for Jointing Works along Route (Inclusive of total number of Joint bays)  | Lot      |  | 1  |  |
| 42.4 | Other security measures –<br>Other Security risk items pertaining to the supply, installation, testing and commissioning of the works <u>particular in high risk areas</u> - details of the additional security requirements to be added below. ( <i>refer to Vol 3A for details</i> ) |          |  |    |  |
|      | a.   | lot      |  | 1  |  |
|      | b.   | lot      |  | 1  |  |
|      | c.   | lot      |  | 1  |  |

***Security for Contractors Site Camp – shall be the Contractor’s responsibility and allowance for this activity shall be covered in the Site Establishment cost***

# Tender Clarification by City of Cape Town

## Schedule of Quantities (C2.2)

### Pricing BOQ – Security Items -

|      |  |     |  |  |
|------|--|-----|--|--|
| 42.  | <b><u>Site security:</u></b>   |     |  |  |
| 42.4 | Other security measures –<br>Other Security risk items pertaining to the supply, installation, testing and commissioning of the works <b>Particular in High Risk</b> areas - details of the additional security requirements to be added below. ( <i>refer to Vol 3A for details</i> ) |     |  |  |
|      | a.   | lot |  |  |
|      | b.   | lot |  |  |
|      | c.   | lot |  |  |

| Threat & Risk                                    | Description   |
|--|---|
| <b>Construction Extortion</b>                    | Extortion groups demanding protection fees; threats; shootings; site shutdowns                  |
| <b>Business Forums (Unregistered)</b>            | Pressure for jobs; protests; vandalism; violence; hijacking of vehicles                         |
| <b>Taxi Associations (CATA &amp; Amaphela)</b>   | Volatility, forced influence, community mobilisation, retaliation if their operations disrupted |
| <b>Labour / Community Unrest</b>                 | Dissatisfaction with hiring; protests; site disruptions; sabotage                               |
| <b>General Crime (Theft, Vandalism, Robbery)</b> | Regular incidents: shootings, stoning, theft, assaults  |



# Issues on previous tender submissions

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- Changing the tender document (e.g. changing the units from “each” to “provisional sum”)
- CIDB status not active
- Pricing only 90% of the items (optional items & items “on instruction of the employer” **must** also be priced)
- Changing the conditions of contract (e.g. advance payment & other terms/ conditions)
  - Tenderers to request clarification upfront (Any material change may render tender non-responsive)
- Pricing items significantly below market value

## Clause C.3.11.4 - Risk Analysis

The employer will perform a risk analysis in respect of the following:

- a) *reasonableness of the financial offer*
  - b) *reasonableness of unit rates and prices*
  - c) *the tenderer's ability to fulfil its obligations in terms of the tender document, that is, that the tenderer can demonstrate that he/she possesses the necessary*
- The conclusions drawn from this **risk analysis will be used by the Employer in determining the acceptability of the tender** offer in terms of C.3.13

# Tender Clarification by City of Cape Town Documents

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## Tender office issued:

- Tender document: Part T1 (The Tender), Parts C1, C2, C3, C4 & C5 (The Tender)
- Volume 1 - Scope of Work, Specifications

## Available electronically (upon request, provide proof of payment)

- Tender document & Volume 1 – pdf format only
- Drawings – pdf format
- BOQ – in excel

# Tender Clarification by City of Cape Town

## Technical Specification

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### Design Criteria :

- Nominal MVA Rating - Shall be based on the 'nominal sheath temperature' as stated in the Technical Schedules
  - Cable Sections B – 132 kV Cable rated 300 MVA when Sheath temperature = 70 °C
  
- Emergency MVA Rating (also known as maximum power transfer) - Shall be based on the 'conductor temperature' of 90 °C' as stated in the Technical Schedules
  
- Short-Circuit rating

The conductor and the metallic sheath shall be capable of withstanding short circuit faults

  - Cable Sections B – 132 kV Cable rated **40 kA**

# Questions from Tenderers

Schedule 27.1, (p181):

**Maximum permissible sheath temperature of 70°C required @ Nominal MVA rating .**

- This is correct for 132 kV cable

| 15.1   | Design rating with One three-phase feeder on load | Nominal MVA Rating @ 70 °C Sheath | Max/ Emerg Rating @ 90 °C Conductor | Nominal Rating @ 70 °C Sheath | Max/ Emerg Rating @ 90 °C Conductor |
|--------|---|-----------------------------------|-------------------------------------|-------------------------------|-------------------------------------|
| 15.1.1 | In ground MVA                                     | 300                               | XXXX                                |                               |                                     |
| 15.1.2 | In ducts MVA                                      | 300                               | XXXX                                |                               |                                     |
| 15.1.3 | At the terminations MVA                           | 300                               | XXXX                                |                               |                                     |

Schedule 27.1, (p181):

**Maximum permissible sheath standing voltage of 65V at rated current.**

- This is correct for 132 kV cable designs
- Tender Bill of Quantities **vs** Electronic BOQ **vs** Drawing quantities  
***If there is any discrepancy between the tender document and the Excel BOQ and drawing quantiles the tender document is correct***

# Questions from Tenderers

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- Floor is open for questions.



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Thank You

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