



**PASSENGER RAIL AGENCY OF SOUTH AFRICA**

**SUPPLY AND JOINING OF CABLE BETWEEN JHB A SUBSTATION AND NEWTOWN  
SUBSTATION**

**SPECIFICATION AND SCOPE OF WORK**

**CIDB (Construction Industry Development Board = 1EP)**

**SCOPE OF WORK  
AND  
SPECIFICATIONS**

**Supply and joining of cable between Jhb A substation and Newtown substation**

**1. COMPULSORY REQUIREMENTS:**

*The following schedules shall be returned with the tender document which shall be evaluated:*

- *Programme of execution*
- *CIDB grading of 1 EP or higher*

**2. SAFETY REQUIREMENTS:**

*All work in this contract shall comply with the Occupational Safety Act, 1993 (Act No: 85 of 1993). These items shall all be included in the tendered rates. A copy of the act as well as an approved safety file shall be kept on site for the duration of the project.*

### **3. General**

- The contractor is required to supply and install the equipment as specified on the below BOQ. Material not used shall be delivered to Roodepoort Electrical depot.

### **4. Subcontracting**

- 4.1 The Contractor shall not make use of any sub-Contractor to perform the works or parts thereof without prior permission from the Project Manager.

### **5. Health and Safety**

- 5.1 The contractor shall be responsible for the safety of personnel on site; a detailed safety plan shall therefore be submitted by the appointed contractor upon award. The safety file requirements are provided to assist the tenderers to cater for the safety aspects.
- 5.2 The site access certificate shall only be issued (to the successful bidder) after the evaluation and approval of the safety file.
- 5.3 The Contractor shall comply with all applicable legislation and Metrorail's safety requirements adopted from time to time and instructed by the Project Manager / Technical Officer. Such compliance shall be entirely at his own cost, and shall be deemed to have been allowed for in the rates and prices in the contract.
- 5.4 The Contractor shall ensure that a safety representative is always at site .
- 5.5 The Contractor shall report all incidents in writing to the Project Manager / Technical Officer. Any incident resulting in the death of or injury to any person on the works shall be reported within 24 hours of its occurrence and any other incident shall be reported within 48 hours of its occurrence.

### **6. Financial**

- 6.1 Payments shall be made for fully functional equipment only, i.e, all work completed.
- 6.2 All prices quoted shall be fixed and firm for the duration of the contract

- 6.3 If the Contractor fails to complete the Services within the time stipulated in this Contract for completion of Services or a part or portion of Services, the Contractor shall be liable to the Employer for an amount calculated at 0.3% of the Contract Price per delayed Day per order, which shall be paid for every Day which shall elapse between the time for due completion and completion of the relevant Services. However, the total amount due under this sub-clause shall not exceed the maximum of 10% of the Contract Price.
- 6.4 The imposition of such penalty shall not relieve the Contractor from its obligation to complete Services or from any of its obligations and liabilities under the Contract.
- 6.5 Rates supplied in the BOQ shall be used to calculate the final payment for equipment.

## **7. Scope of Work**

### **7.1 Specification and requirements**

- 7.1.1** Supply and install 185mm<sup>2</sup> 22kV XLPE copper cable.
- 7.1.2** Supply and install joining kits for the 185mm<sup>2</sup> 22kV copper cable
- 7.1.3** Cable tracing and locating of a cable fault
- 7.1.4** Pressure Testing of a cable after jointing CEE 0023
- 7.1.5** Digging for 100m and cable to be installed as per CEE 0023
- 7.1.6** Supply soft sand to lay a new cable in accordance with spec CEE 0023
- 7.1.7** The contractor shall provide security for the duration of the cable works.