



**PROJECT SPECIFICATION AND BILL OF QUANTITY**

**FOR:**

**AS BUILT DRAWING FOR THE JOHANNESBURG TO GERMISTON LINE**



TABLE OF CONTENTS

CONTENTS

|                                                 |          |
|-------------------------------------------------|----------|
| <b>1. INTRODUCTION .....</b>                    | <b>3</b> |
| <b>2. METHOD OF TENDERING .....</b>             | <b>3</b> |
| <b>3. TECHNICAL REQUIREMENTS .....</b>          | <b>3</b> |
| <b>4. DURATION .....</b>                        | <b>4</b> |
| <b>5. GUARANTEE .....</b>                       | <b>4</b> |
| <b>6. PROJECT COMPETENCY REQUIREMENTS .....</b> | <b>4</b> |
| <b>7. PENALTY .....</b>                         | <b>4</b> |
| <b>8. DELIVERY .....</b>                        | <b>4</b> |
| <b>9. BILL OF QUANTITIES .....</b>              | <b>4</b> |



## **1. INTRODUCTION**

The purpose of this project is to produce the as built drawing for the line from Johannesburg to Germiston.

## **2. METHOD OF TENDERING**

2.1. Tenderers shall indicate clause-by-clause compliance with the specification. This shall take the form of a separate document listing all the specifications clause numbers indicating the individual statement of compliance or non-compliance.

2.2. A statement of non-compliance shall be motivated by the tenderer.

2.3. Tenderers shall state the unit costs of each of the items

2.4. Failure to comply with clauses 2.1, 2.2 and 2.3 could preclude a tender from consideration.

## **3. TECHNICAL REQUIREMENTS**

3.1. Traverse the line from Johannesburg Park Station to Germiston to establish the different OHTE structures, components and equipment used on the line.

3.2. Record distances between masts (centre to centre) and Mast foundation to track centre.

3.3. Record all information about each point/ mast (type of mast and all other attachments carried by the mast).

- The record shall indicate whether there is a transmission line on the mast.
- Whether there are other attachments e.g. Bokhorns, back guys/ raking leg/ lightning arresters, etc.
- **Height of line**
- **Stagger**
- **Distance between mast poles**
- **Droppers per span**
- staywire and/or foundation, etc.
- Condition of foundation
- Condition of mast pole
- Indicate stations on the line

3.4. The drawing must comply with BBB0041 version 4 and CEE0224

3.5. The drawings shall be submitted to PRASA as PDF format (soft copy and hard copy).



#### 4. **DURATION**

The project contract will be for 6 **month** from the date of award. i.e., Tenderer having acknowledged the receipt of award letter.

#### 5. **GUARANTEE**

5.1. PRASA Technical shall be formally invited to conduct inspection on the tools, material to be used and the work done on site.

5.2. The works shall be subjected to a guarantee period of one year. The guarantee period shall commence the day it is formally handed over to and accepted by PRASA Technical.

5.3. Any defects that may become apparent during the guarantee period shall be rectified to the satisfaction of the client at no cost to PRASA.

5.4. Should the contractor fail to comply with the above, Prasa is entitled to take effective replacement of the defective material. The contractor must reimburse Prasa Metrorail the total cost for replacement of materials.

#### 6. **PROJECT COMPETENCY REQUIREMENTS**

6.1. The contractor shall provide qualified and experienced professional staff for the following positions.

6.1.1. Site supervisor shall have as minimum Trade Test in Electrical Engineering.

6.1.2. Safety personnel shall have ISO45001 (Occupational health and Safety Management) certification or equivalent safety qualification recognized by SAQA or Construction Health and Safety Officer registered with SACPCMP.

6.2. The proof of Competency shall be provided during the tendering phase.

6.3. A drawing sample or attachment of a similar work done shall be provided during tendering stage.

#### 7. **PENALTY**

Should the Contractor fail to complete the project on/before the stipulated completion dates, a penalty fee of R5000 per week will be charged.

#### 8. **DELIVERY**

Project closure report must be delivered to PRASA Technical, detailing the work done, snag list.

#### 9. **BILL OF QUANTITIES**

| OHTe                                            |     |               |              |
|-------------------------------------------------|-----|---------------|--------------|
| Item                                            | Qty | Rate/unit     | Total (Excl) |
| As built drawing from Johannesburg to Germiston |     |               |              |
|                                                 |     | Total (Excl.) |              |



---

|              |  |
|--------------|--|
| VAT (15%)    |  |
| <b>Total</b> |  |