



**PROJECT SPECIFICATION AND BILL OF QUANTITY**

**FOR:**

**MAST POLE STENCILING FOR THE GAUTENG REGION**



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## **1. INTRODUCTION**

The purpose of this project is to stencil mast pole numbers in the Gauteng Region.

## **2. METHOD OF TENDERING**

2.1. Tenderers shall state the unit costs of each of the items as specified in the BOQ.

2.2. Failure to comply with clause 2.1 could preclude a tender from consideration.

## **3. TECHNICAL REQUIREMENTS**

3.1. Mast pole Numbers shall be provided by the depot.

3.2. Stencil mast pole numbers (surface preparation, paint systems and painting of the Mast pole must be done according to specification CEE0045 of 2002/1.

3.3. The Mast numbering must comply with drawing BBC2036.

3.4. The mast location numbers must be stencilled with a 100 mm stencil, and numbers must be evenly spaced on a vertical height between 2 m and 3,3 m above the track height.

3.5. Mast numbers must be painted in black on a white background

3.6. Mainline mast location numbers must be stencilled/attached on both sides of masts in cases of single lines and lines with bi-directional traffic.



Figure 1: Mast pole number

4. **DURATION**

The project contract will be for 3 **months** 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.

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

## **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. SITE OVERALL STAFFING AND KEY PROFESSIONAL STAFF**

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

9.1.2. Flagman

9.1.3. Construction Health and Safety Officer

### **9.2. FLAGMAN**

9.2.1. A minimum of three qualified flagmen shall be deployed for each occupied section. The flagman shall have railway training certificates and railway experience.



### 9.3. **CONSTRUCTION HEALTH AND SAFETY OFFICER**

9.3.1. The desired minimum qualifications for the Construction Health and Safety Officer are as follows:

9.3.2. Minimum of 3 years industry experience as a health and safety officer.

9.3.3. In possession of National Diploma or Degree in Health and Safety Management.

9.3.4. Registered with SACPCMP

## 10. **TECHNICAL / FUNCTIONALITY REQUIREMENTS**

10.1. Details of the technical/functional requirements are presented below:

| ITEM | CRITERIA                                       | WEIGHT / SCORING |
|------|------------------------------------------------|------------------|
| 1    | Organizational Experience                      | 40               |
| 2    | Qualifications and Experience of key personnel | 40               |
| 3    | Project program (Work plan)                    | 20               |
|      | <b>TOTAL</b>                                   | <b>100</b>       |

## 11. **TECHNICAL SCORING METHODOLOGY**

### Scoring of Functionality:

#### Technical Scoring Methodology

| Technical Scoring Methodology CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WEIGHT | SCORES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Organizational Experience</b><br>Provide for each successfully completed project/s in the following sequence: Copy of an appointment letter/s or Purchase Order/s, on a company letterhead, description of the project, Client name, Client contact (i.e., email and office number), Project start date, project end date, extension of time where applicable, contract value inclusive of VAT.<br><br>Furthermore, attach completion certificate signed by client or letter from the client confirming successful completion of the project. | 40     | Score will be based on successfully executed and completed similar projects in the installation of Signage in the last fifteen (15) years from the presented details in the RFQ document.<br>Zero (0) Similar Projects/non-submission/incomplete submission = <b>0</b><br>1: 1 Similar project = <b>8 points</b><br>2: 2 Similar projects = <b>16 points</b><br>3: 3 Similar projects = <b>24 points</b><br>4: 4 Similar projects = <b>32 points</b><br>5: 5 similar projects = <b>40 points</b> |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Qualifications and Technical Experience (based on Submitted CVs) of Key Staff</b></p> <ul style="list-style-type: none"> <li>• Flagman (SP)</li> <li>• Safety Officer</li> </ul> <p>(N.B. Provide copies of original qualifications. The copies must be certified by commissioner of oath. The date on the stamp shall be three months or less old, before the closing date of the tender. Please provide <b>SAQA</b> accredited qualification.</p> <p>(Certificate to be Railway related and not road way related).</p> <p><b>NB! Qualifications for the two candidates will be considered for the evaluation. If less than 2, the bidder will be disqualified.</b></p> | 40 | <p>Detailed CVs of the team members who will be used in completing the works must be submitted. Scores would be based on the experience in the installation of 6.6, 11, 22 kV or above transmission equipment of proposed personnel. The points will be based on the two key personnel listed here.</p> <p>No information provided/incomplete submission = <b>0 points</b></p> <p>1: Average &lt; 5 years of experience of Key Staff = <b>8 points</b></p> <p>2: Average &gt; = 5 up to 8 years of experience of Key Staff = <b>16 points</b></p> <p>3: Average &gt; 8 up to 10 years of experience of Key Staff = <b>24 points</b></p> <p>4: Average &gt; = 10 up to 15 years of experience of Key Staff = <b>32 points</b></p> <p>5: Average &gt; = 15 years of experience of Key Staff = <b>40 points</b></p> |
| <p><b>Project program (Work plan)</b></p> <p>Provide project schedule in MS projects that meets the client's timeline requirements and the schedule to cover the following key Milestones:</p> <ul style="list-style-type: none"> <li>• Project duration within the targeted duration of 12 weeks.</li> <li>• Resource allocation</li> <li>• Critical Path clearly highlighted</li> <li>• Activities showing safety measures to be taken activities included.</li> </ul> <p>The overall schedule should clearly indicate sequencing of activities with clear understanding of scope.</p>                                                                                       | 20 | <p>Score will be allocated for MS Project Schedule provided.</p> <p>No information provided = 0 points.</p> <p>1: Project schedule provided with relevant activities and 1 of the indicated elements addressed = 4.</p> <p>2: Project schedule provided with relevant activities and 2 of the indicated elements addressed = 8.</p> <p>3: Project schedule provided with relevant activities and 3 of the indicated elements addressed = 12.</p> <p>4: Project schedule provided with relevant activities and 4 of the indicated elements addressed = 16.</p> <p>5: Project schedule provided with relevant activities and all the indicated elements addressed = 20.</p>                                                                                                                                        |

A minimum of 70 points shall be attained for the bidder to be evaluated further.



**12. BILL OF QUANTITIES**

| <b>OHTE</b>                                                                                                                                                                                                                                        |                |                  |                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|----------------------|
| <b>Item</b>                                                                                                                                                                                                                                        | <b>Qty</b>     | <b>Rate/unit</b> | <b>Total (excl.)</b> |
| Mast pole Stencilling (both side of mast)<br><ul style="list-style-type: none"> <li>- Measuring distance between poles (obtain km point)</li> <li>- Surface preparation</li> <li>- White background paint</li> <li>- Black mast numbers</li> </ul> | 350 mast poles |                  |                      |
|                                                                                                                                                                                                                                                    |                | Total (Excl.)    |                      |
|                                                                                                                                                                                                                                                    |                | VAT (15%)        |                      |
|                                                                                                                                                                                                                                                    |                | <b>Total</b>     |                      |