



**PROJECT SPECIFICATION AND BILL OF QUANTITY**

**FOR:**

**SUPPLY OF AS- BUILT DRAWINGS AND MAST POLE NUMBERING FOR PRASA GAUTENG  
NORTH REGION**



**TABLE OF CONTENTS**

Contents

<b>1. INTRODUCTION</b> .....	3
<b>2. DESCRIPTION OF WORKS/SCOPE OF WORKS</b> .....	3
<b>3. DURATION</b> .....	3
<b>4. GUARANTEE</b> .....	3
<b>5. PENALTY</b> .....	4
<b>6. DELIVERY</b> .....	4
<b>7. BILL OF QUANTITIES</b> .....	4



### **1. INTRODUCTION**

2. The objective of this project is to deliver a service that entails providing as-built drawings and numbering for the mast poles situated between Pretoria and Kaalfontein.

### **3. DESCRIPTION OF WORKS/SCOPE OF WORKS**

The following tasks are required for this project:

- Conduct a survey along the 22km line from Pretoria to Kaalfontein to identify and document the various overhead traction equipment (OHTE) structures, components, and equipment used.
- Record the distances between masts (centre to centre) and from mast foundation to track centre.
- Document detailed information about each mast, including its type, any attachments carried (such as transmission lines, Bokhorns, back guys/raking legs, stay wire), and the condition of both the foundation and mast pole.
- Ensure accurate spacing of droppers.
- Develop and deliver as-built drawings of the OHTE infrastructure between Pretoria and Kaalfontein in PDF format, along with hard copies and STEP files, to PRASA.
- Apply mast pole numbers as per PRASA's specifications, including surface preparation, paint systems, and painting of the mast pole according to specification CEE0045 of 2002/1.
- Ensure compliance with drawing BBC2036 for mast numbering.

### **4. DURATION**

The project contract duration will span three months from the date of award, which occurs upon the tenderer's acknowledgment of the receipt of the award letter.

### **5. GUARANTEE**

- 5.1. Prasa Metrorail will receive formal invitations to conduct tests and visually inspect the material before delivery to identify any defects or damages.
- 5.2. The material will be under a one-year guarantee period, starting from the day it is officially handed over to and accepted by Metrorail.



5.3. Any defects discovered during the guarantee period must be addressed to the client's satisfaction at no expense to PRASA.

5.4. Failure by the contractor to rectify defects as required grants Prasa the right to procure effective replacements for the defective materials. The contractor is liable to reimburse Prasa Metrorail for the entire cost of material replacement.

## 6. **PENALTY**

If the Contractor fails to meet the stipulated completion dates for delivery, a penalty fee of R5000 per week will be imposed.

## 7. **DELIVERY**

All drawings must be delivered to the Metrorail Gauteng North Regional office and the PRASA head office. The drawings must be submitted in the following formats:

- Hard copy
- PDF
- STEP file.


 8. BILL OF QUANTITIES

<b>OHTE</b>			
<b>Item</b>	<b>Qty</b>	<b>Rate</b>	<b>Total</b>
As built drawings	<ul style="list-style-type: none"> <li>- 22km line between Pretoria and Kaalfontein</li> <li>- OHTE configuration as seen on site</li> </ul>		
Mast pole numbering	<ul style="list-style-type: none"> <li>- 22km line between Pretoria and Kaalfontein</li> <li>- All Masts forming part of the OHTE network</li> </ul>		
		Total (Exc.)	
		VAT (15%)	
		Total	