

**PASSENGER RAIL AGENCY OF SOUTH AFRICA
Rail infrastructure safety Signage for the Gauteng Region.**

SPECIFICATION AND SCOPE OF WORK

CIDB (Construction Industry Development Board = 2 SK)

COMPULSORY REQUIREMENTS:

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

- *Programme of execution with clear duration of project execution. The duration of the project is 4 weeks.*

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.

1. General

- The contractor shall be responsible for the installation of Safety Signage on the rail infrastructure.
- The areas of delivering the above-mentioned items are All the substations at Gauteng Region.
- All work shall comply with SANS Standards and Metrorail engineering instructions/specifications.
- Metrorail reserves the right to inspect and/or test any material.
- All the signage/plates shall be made of chromadek steel for outdoor use.
- All the substation name signage shall be supplied on a frame. The frame shall be made of steel.
- The required nameplate or signage size names is: 3mX500mm
- The nameplates to be supplied shall be easy to mount on the wall.
- The names of the infrastructure to be written on the nameplates will be given to the success bidder.

- The substation Signages shall be as indicated below:
- The contractor shall appoint a **safety officer** for this Project:
 - Provide copies of original qualifications and certificates of professional bodies. The copies must be certified by the commissioner of oath. The date on the stamp shall be three months or less old, before the closing date of the tender.
 - If the qualification has been awarded in other language than English, please provide translation in English.
 - All educational qualifications should be SAQA accredited.

2. Guarantee and Defects

- 2.1. All work undertaken by the contractor shall be subjected to a guarantee for a minimum of one year against faulty or inferior workmanship and material.
- 2.2. All equipment to be supplied by the contractor shall be subject to a guarantee for a minimum of twelve months.
- 2.3. Any defects that may become apparent during the guarantee period shall be rectified to the satisfaction of and free costs to Metrorail.
- 2.4. The contractor shall undertake work on the rectification of any defects that may arise during the guarantee period within 7 days after being notified by Metrorail Technical Staff.
- 2.5. Should the Contractor fail to comply with the requirements stipulated above, Metrorail shall be entitled to undertake the necessary repair of work or effect replacement of defects apparatus or material, and the contractor shall reimburse the client the total cost of such repair or replacement, including labour costs incurred in replacing defective apparatus or materials.
- 2.6. If urgent repairs must be carried out by Metrorail staff to maintain supply of power during the guarantee period, the Contractor shall reimburse Metrorail the cost of material and labour.

3. Subcontracting

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

4. Financial

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

- 4.3. All prices quoted shall include transportation and delivery of the items across the abovementioned locations.
- 4.4. Penalties shall be applicable for late completion of work and the rate shall be as stipulated in the contract terms and conditions for each day the completion is delayed. Terms and conditions in this contract are applicable in this regard.
- 4.5. Rates supplied in the BOQ shall be used to calculate the final payment for equipment.

5. Particulars of Scope of Work

5.1. Specifications of Substation Name plate



- Size: 3000mmX500mm
- Material: Chromadek
- Should include installation brackets

5.2. Specification for the Substation 4in1 warning notice



- Size: 1000mm x 1000mm
- Material: Chromadek

5.3. Specification of the Electrical shock hazard WW23 warning sign



- Diameter Size: 190mm x 190mm
- Material: Chromadek

5.4. Specification of the Electrical shock hazard WW7 warning sign



- Size: 190mm x 190mm
- Material: Vinyl Sticker

5.5. Specification of the Electrical shock hazard WW7 warning sign



- Size: 190mm x 190mm
- Material: Chromadek

5.6. Specification of the Live Busbars warning sign



- Size: 200mm x 150mm
- Material: Chromadek

5.7. Specification of the strictly no smoking in this area sign



- Size: 190mm x 190mm
- Material: Chromadek

5.8. High speed circuit breaker Name tag



- Size: 80mm x 300mm
- Material: ABS

5.9. Rectifier unit name



- Size: 300mm x 200mm
- Material: Chromadek

5.10. P 92 Sign



- Size: 300mm x 200mm
- Material: Chromadek

5.11. Busbar warning sign



- Size: 200mm x 250mm
- Material: ABS

5.12. Emergency contact information board

6. Size: 400mm x 300mm
7. Material: Chromadek

5.13. Specification of the Black and white number painting for the mast poles and switch structures

- It should be weather resistant
- It should be durable
- Paint colour: black and white
- Number size: 400mm x 200mm