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prasa

PASSENGER RAIL AGENCY
OF SOUTH AFRICA



metrorail

**PROJECT SPECIFICATION AND BILL OF QUANTITY
FOR:**

SUPPLY AND DELIVERY OF MAINTANANCE EQUIPMENT

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SPECIFICATION FOR SUPPLY AND DELIVERY OF VARIOUS TOOLS FOR MAINTENANCE

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SPECIFICATION FOR SUPPLY AND DELIVERY OF VARIOUS TOOLS FOR MAINTENANCE

1. PURPOSE OF THE PROJECT

The purpose of this project is to supply and deliver various Tools used to conduct maintenance for OHTE, Bonding and Substation Electrical team to the Durban Electrical Depot.

2. PROJECT DURATION

Prasa KZN requires that the Works be completed within **four (4) months** which period shall include any statutory and builder's holidays falling within this period. The completion date will be determined by adding the period specified above to the date of written notification of acceptance of tender, or to such later date as may be specified in the advice of award. Lead-time has been built into the period specified.

3. GENERAL

- 3.1 The Contractor's general obligations under the contract comprise the completion and, unless otherwise stipulated, the provision at his own expense of all labour, plant, tools, equipment, material, transport, consumable stores, services, samples and temporary works, and everything, whether of a temporary or permanent nature, required in and for the supply, deliver and completion of the works.
- 3.2 Any other work arising out of or incidental to the above or required of the contractor or the completion of the works in accordance with the true meaning and intent of the contract documents shall also be the responsibility of the contractor.
- 3.3 Metrorail reserves the right to inspect and or test any material or equipment delivered.
- 3.4 Completion of work shall be subjected to the approval of the Regional Electrical Engineer.
- 3.5 All equipment shall be visually inspected for damages during delivery. Any damages shall be reported immediately to the designated representative, who will issue the necessary instructions.

4. ADDITIONAL WORKS

Any additional work not authorized by the Project Manager, even if proven necessary for the successful completion of the project will be tenderer's own account.

5. DESCRIPTION OF WORK

The contractor shall perform the following tasks:

- 5.1 Supply and delivery of various Tools used to conduct maintenance in the Electrical environment as per the BOQ.
- 5.2 All tools to be supplied must be of good quality (must conform to SANS/IEC/SABS and etc) and of a known brand
- 5.3 Carry out all work required to successfully complete the work.

5.4 Deliver and off-load all tools at Durban Electrical Depot and provide a delivery note that must be verified by the Project Manager.

6. DELIVERY RATES

The contractor will be responsible for transportation of the required Tools and the rates must be included on the Bill of Quantities.

7. LABOUR RATE

See bill of quantities

8. PENALTIES

8.1 Should the Contractor supply wrong items, the sum of R 500.00 (five hundred Rand) will be charged per item.

8.2 The contractor will be charged a penalty of 0.3% of the contract price per day delayed after the project duration has expired but not exceeding 10% of the contract value.

9. GUARANTEE

9.1 All tools supplied by the Contractor shall be subject to a guarantee for a period of one year against faulty.

9.2 The guarantee period shall commence the day the tools are formally delivered/ handed over to and accepted by the local PRASA staff.

9.3 Should any failure arise due to bad workmanship and/or faulty materials during the guarantee period, the contractor shall replace or repair the equipment within 7 days of the notification.

9.4 Should the Contractor fail to comply with the requirements stipulated above, PRASA shall be entitled to undertake the necessary repair work or effect replacement of defective apparatus or material, and the Contractor shall reimburse PRASA the total cost of such repair or replacement, including the labour costs incurred in replacing defective material.

9.5 Retention money will not be deducted by Prasa KZN as part of this contract.

10. CIDB GRADING

CIDB grading is **not** applicable for this project

11. LOCAL CONTENT

Local content is not applicable for project (maintenance tools)

12. SITE MEETING

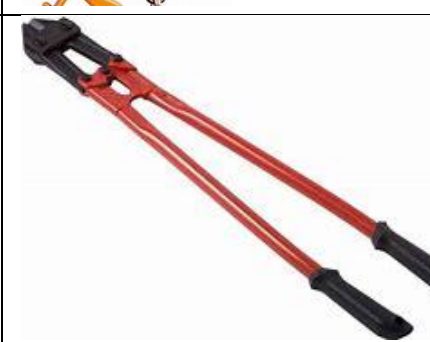
No site meeting required

13. HANDOVER

Handover will occur when the tools are supplied to the satisfaction of the Project Manager/Project Coordinator/ Technical Manager, in accordance with the details as set out in the handing over documentation of PRASA.

14. BILL OF QUANTITIES

TOOL DISCRIPTION	DRAWING NUMBER/ PICTURES	QTY
Battery powered crimping machine		4
Battery powered hydraulic cutter for aluminum, copper and steel cables and wires		4
Battery powered grinder 850 watts		4

Generator		6
30 m Extension power cable		4
Socket wrench ratchet 17 x 19		20
1.5-ton lever operated chain hoist with a 3-meter-long chain		8
Heavy duty bolt cutter (36 inch)		8

Copper hammer		20
Heavy-duty stainless-steel tool trunk		20
Tool belt		20
Tool bag		20
Wire grab (2Ton)		20

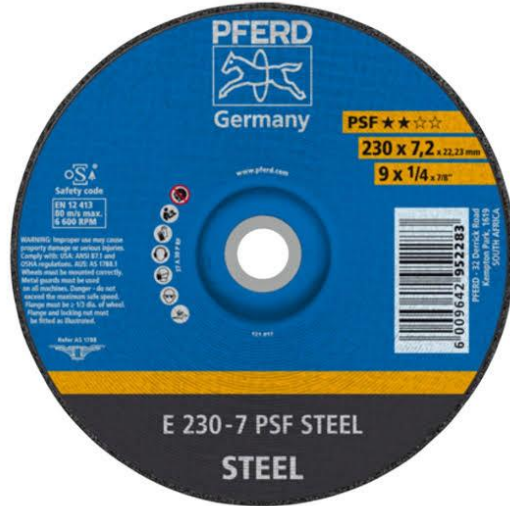
Wire grab (8Ton)		20
Safety harness		20
Blade fitted Brush cutter		4
Phase rotation meter		4

Crimper manual 1.25mm-		7
Crimper 10mm and 6mm-120mm		4
Brush cutter		4
20L Poison spray bottle with back sties		6

Multimeter		8
48v impact wrenches set		4
500L fuel tank on trailer		1
18v drill set		4

		1
230mm grinder		2

discs for 230mm grinder



50

115mm grinder

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2

discs for 115mm grinder



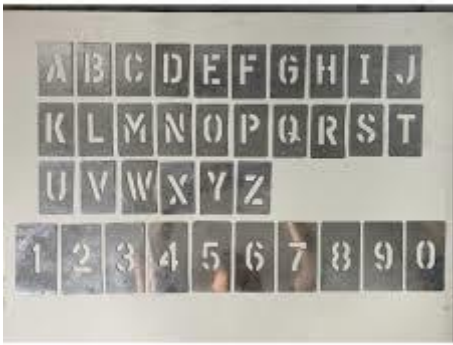
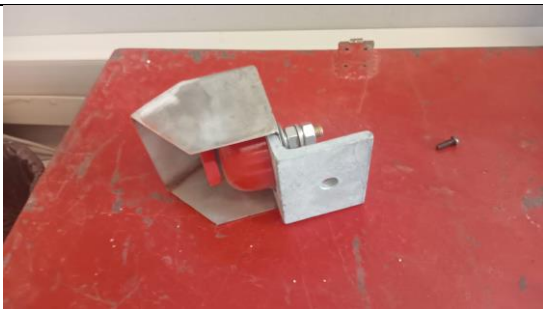
50

240v inverter welder set		1
Earth stick		7

Portable flood light with heavy duty stands		4
7.5 KVA generator		2

Torches 1000 lumens	 Power display GT60 LED	10
Cable fault locator		1

9-meter pushup extension ladder		4
8-foot A-frame step ladder		4
Heavy-duty stainless-steel tool trunk		7
6meter Track switch operating rod		100

Stainless steel stenciling plates (100mm) numbers (0-9) and alphabets (A-Z) Sets		2
Prolong Water Based Lead Free Road marking paint (White) 20L		6
Prolong Water Based Lead Free Road marking paint (Black) 20L		4
Spark Gap 450V Gas arrester spark gap for traction power supplies in accordance with BBB1616		200

TOOL DISCRIPTION	Quantity	Rate	Total (Excl VAT)
Battery powered crimping machine	4		
Battery powered hydraulic cutter for aluminum, copper and steel cables and wires	4		
Battery powered grinder 850 watts	6		
Generator	6		
30 m Extension power cable	4		
Socket wrench ratchet 17 x 19	20		
1.5-ton lever operated chain hoist with a 3-meter-long chain	8		
Heavy duty bolt cutter (36 inch)	8		
Copper hammer	20		
Heavy-duty stainless-steel tool trunk	20		
Tool belt	20		
Tool bag	20		
Wire grab	40		
Safety harness	20		
Blade fitted Brush cutter	4		
Phase rotation meter	4		
Crimper manual 1.25mm-	7		
Crimper 10mm and 6mm-120mm	4		
Brush cutter	4		
20L Poison spray bottle with back sties	6		
Multimeter	8		
48v impact wrenches set	4		
500L fuel tank on trailer	1		
18v drill set	4		
Drill press	1		
230mm grinder	2		
discs for 230mm grinder	50		
115mm grinder	2		
discs for 115mm grinder	50		
240v inverter welder set	1		
Earth stick	7		
Portable flood light with heavy duty stands	4		
7.5 KVA generator	2		

Torches 1000 lumens	10		
Cable fault locator	1		
9-meter pushup extension ladder	4		
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Total	
VAT 15%	
Total Inc VAT	