



Transnet SOC Limited
Transnet RME

REQUEST FOR QUOTATION

TFR RFQ BOARD
TRANSNET FREIGHT RAIL RME
PROCUREMENT DEPARTMENT
3900

Registration Number: 1990/000900/06
Vat Number : 4720103177

Attention:

Telephone Number :
Fax Number :
Vendor Number :500000

Quotation Deadline Date : 29.04.2014
Quotation Deadline Time : 12:00

REQUEST for QUOTATION
Transnet RME
RFQ Number / Date
6000195096 / 14.04.2014
Contact Person / Telephone
Eddie Quinlan / 035 905 3664
Return to FAX Number/EMAIL
086 1159978 / TCPtendersRichardsBay@Transnet.net

PREVIEW COPY ONLY

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00010		Portable earth wire for	4	off	05.05.2014			

Portable earth wire for AC Traction as Specification BB1679 ver 3 Clause 7.1

Transnet Limited t/a Transnet Freight Rail RME at Richards Bay, hereby invite your company to supply a detailed quotation to provide/supply and deliver the following:

4 off - Portable earth wire for AC Traction as Specification BBB1679 ver 3 Clause 7.1

Notes:

- Prices should include delivery to Empangeni
- Transnet desires a validity period of 90 [ninety] days from the closing date of this RFQ.

All technical queries relating to this request may be addressed to: Mr. Pierre Crocker - 035 905 3638. All procurement relating queries can be addressed to the above mentioned contact person.

The closing time for receipt of your official quotations is: 12:00 hrs on Tuesday, the 29th of April 2014.



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REQUEST for QUOTATION
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RFQ Number / Date
 6000195096 / 24.04.2014
Contact Person / Telephone
 Eddie Quinn / 031 5 905 3664
Return to VAX Number/EMAIL
 086 5159973 / TCPtendersRichardsBay@Transnet.net

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
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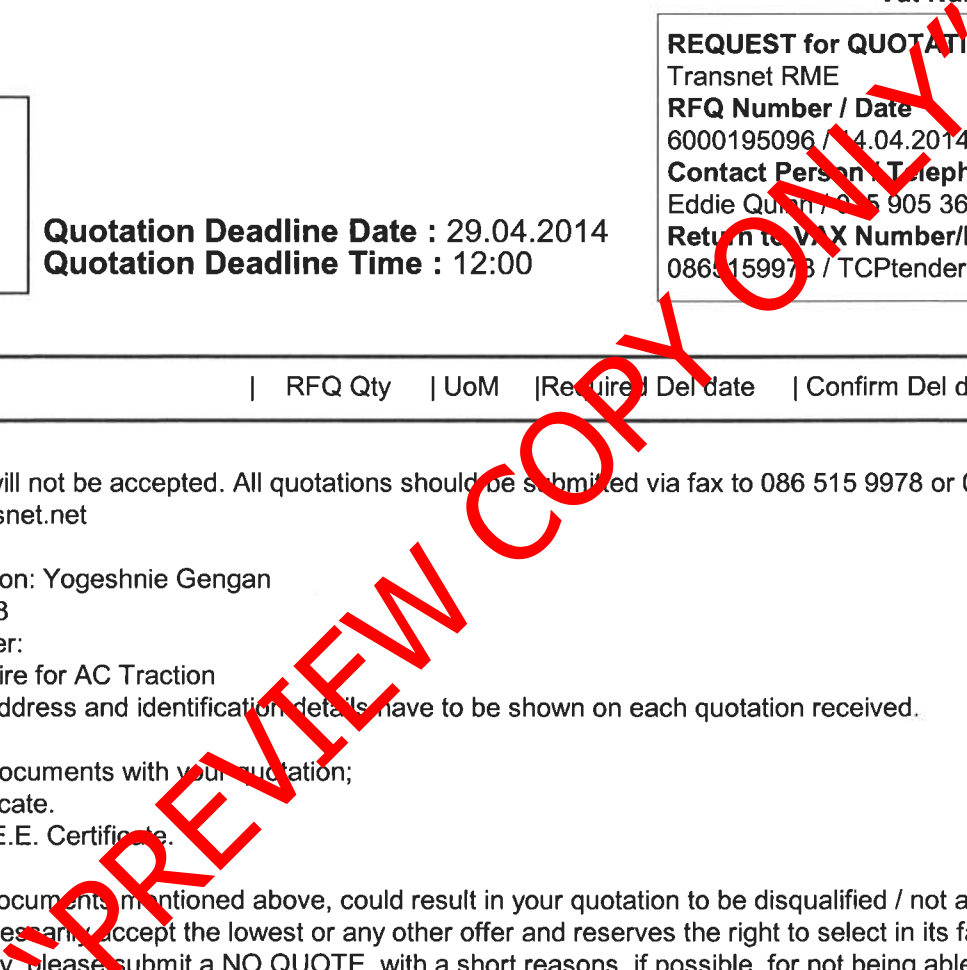
Telephonic and late quotes will not be accepted. All quotations should be submitted via fax to 086 515 9978 or 031 830 0000 or alternatively e-mailed to tcpendersrichardsbay@transnet.net

Procurement Official - Attention: Yogeshnie Gengan
 Identification details: 2420508
 Quotation / Reference number:
 Description: Portable earth wire for AC Traction
 The supplier's/ contractor's address and identification details have to be shown on each quotation received.

Please supply the following documents with your quotation;
 1. Valid Tax Clearance certificate.
 2. Copy of your latest B.B.B.E.E. Certificate.

Failing to submit any of the documents mentioned above, could result in your quotation to be disqualified / not accepted.
 Note: #Transnet may not necessarily accept the lowest or any other offer and reserves the right to select in its favor any or, a portion of any offer made". If you are unable to quote for this survey, please submit a NO QUOTE, with a short reasons, if possible, for not being able to quote. Otherwise we look forward to receive your quote by the date and time stated.

Delivery address: 1 Morris road, Empangeni





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Transnet RME

RFQ Number / Date

6000195096 / 14.04.2014

Contact Person / Telephone

Eddie Quinlan / 05 905 3664

Return to FAX Number/EMAIL

086 1599783 / TCPtendersRichardsBay@Transnet.net

Delivery Address

TFR RME Richards Bay
 Old Naval Base, Commodores Clo
 Meerensee, Richards Bay
 3900

This RFQ is subject to the following conditions:

1. Price/s : The price/s quoted in SA currency and is excluding of VAT
2. Delivery : The price/s quoted should include delivery cost to the delivery address stated on the RFQ
3. Returnables : A valid tax clearance certificate and BBBEE certificate from a SANAS accredited verification agency attached to quotation for all quotes above R30 000.
Please note that only the official Transnet RFQ will be accepted and all other correspondence to be attached to the original
4. Safety : To confirm to Transnet Capital Projects Health & Safety plan and specification; HAS-std-0001, copy available on request.
5. Confirmation: To confirm your participation in this tender process please sign and return this document as immediate effect prior to the quotation deadline.
6. Negotiations: The Employer may elect to negotiate the final terms of the contract/order with the preferred tenderer in accordance with Clauses F.2.17 and F.3.13 of the CIDB Standard Conditions of Tender. A copy of which is available upon request.

 Signature

 Date

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SPECIFICATION

PORTABLE EQUIPMENT FOR EARTHING OR
EARTHING AND SHORT-CIRCUITING AC AND DC
TRACTION

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1.0 SCOPE

This specification covers Transnet's requirements for earthing devices for use of Ac and DC traction, HV transmission lines and 3kV DC substation and tie-station busbars.

2.0 STANDARD AND PUBLICATIONS

- 2.1 Unless otherwise specified all materials and equipment shall comply with the applicable and latest editions of SANS, IEC and Transnet's publications.
- 2.2 The following publications are referred to in this specification:

2.2.1 SOUTH AFRICAN NATIONAL STANDARDS

SANS 61230 - Live working – portable equipment for earthing or earthing and short-circuiting.

2.2.2 INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 61138 – Cables for portable earthing and short-circuiting devices.

3.0 SERVICE CONDITIONS

The earthing devices shall be designed to operate under the following environmental conditions:

Ambient temperature: Minus 5°C to plus 50°C.

Air pollution : Heavy saline laden industrial and locomotives fumes.

4.0 AC AND DC TRACTION EARTHING AND SHORT-CIRCUITING DEVICES

These devices shall have conductor sizes in accordance to clause 5.1 and shall consist of the following:

- 4.1 Line to rail jumper shall consist of a 15m long jumper cable to cable 5.1.1.2, a line clamp in accordance to clause 5.2 on one end and a rail clamp to clause 5.3 on the other end.
- 4.2 Line to line jumper shall consist of a jumper cable, 5m or 10m long to clause 5.1.1 with a line clamp in accordance to clause 5.2 on each end.
- 4.3 Rail to rail jumpers shall consist of cables 5m or 10m long to clause 5.1.1.2 with a rail in accordance to clause 5.3 on each end

5.0 MATERIALS

5.1 **CONDUCTORS**-Cables for cable earthing and short-circuiting equipment shall be supplied in accordance to IEC 61138

5.1.1 The conductor sizes shall be:

5.1.1.1 35mm² plus 4mm² / minus 0 mm² (1120 strands minimum)

5.1.1.2 70mm² plus mm² /minus 0 mm² (2250 strands minimum)

5.1.2 Conductors material shall be at least 99, 95% pure copper

5.1.3 Conductors shall be covered with transparent PVC insulation. The insulation thickness of item 5.1.1.1 shall be 1,2mm (min) and the insulation thickness of item 5.1.1.2 shall be 1,54mm (min).

5.1.4 Terminations shall be by means of hexagonally crimped lugs and be designed such that there is a positive lock between the lug and the clamp. The terminations shall be covered by a 200mm long, transparent, heavy duty heat shrink tube.

5.1.4.1 Any deviation /improvement to the termination shall be clearly stated as well as the advantage gained.

5.1.5 Any pre-production sample of the cable, 500mm in length, fully terminated at one side, shall be submitted to the responsible Transnet representative for approval.

5.2 LINE CLAMPS

Line clamps shall:

- 5.2.1 Withstand a torque of 20Nm without breaking
- 5.2.2 Offer a serrated connection to the conductor
- 5.2.3 be fitted with a coupling aid to facilitate application form ground level.
- 5.2.4 be constructed of Cu-Ni-Si or aluminium alloy or similar tough conductive metal
- 5.2.5 be of the screw-on type
- 5.2.6 be capable of clamping conductors up to 38mm diameter for the use on 3kV electrification and 23mm diameter for use on 25/50kV AC electrification and transmission lines.
- 5.2.7 Withstand a fault current of 27 kA for a period of 30milli-seconds without being destroyed.

5.3 RAIL EARTH CLAMP

Rail earthing clamps shall:

- 5.3.1 Be constructed of Cu-Ni-Si or aluminium alloy similar or tough conductive metal.
- 5.3.2 Ensure a positive electrical connection to the flange of heavily corroded rails even during short-circuit conditions.
- 5.3.3 Withstand a fault current of 27 kA for a 30milli-seconds without being destroyed.

6.0 TESTING

- 6.1 All tests referred to in SANS 61230: clauses 3.0 are to be done in accordance with the relevant clauses, unless written exemption from these tests is obtained from Transnet.

7.0 MARKING

7.21 Each rail clamp, line and operating rod shall be marked with the middle five figures of the contract number. The marking shall not affect the temperature performance of the equipment what so ever.

7.2 Marking of devices shall further more fully comply with SANS 61230: clause 4.9 unless written exemption to deviate from the relative clauses is obtained from Transnet.

8.0 PACKING

8.1 Each item covered for in the schedule of requirements shall be packed separately in portable packing cases or bags.

8.2 packing cases or bags shall be marked: "Transnet "in large legible letters at least 30mm high.

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