



Transnet SOC Limited  
Transnet RME

REQUEST FOR QUOTATION

BOARD LIST TFR RME  
TRANSNET FREIGHT RAIL - RME  
PROCUREMENT DEPARTMENT  
2000

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

**Attention:**

Telephone Number :  
Fax Number :  
Vendor Number :2004815

**Quotation Deadline Date : 16.04.2014**  
**Quotation Deadline Time : 12:00**

**REQUEST for QUOTATION**

Transnet RME

**RFQ Number / Date**

6000194478 / 07.04.2014

**Contact Person / Telephone**

Nomvu Mabuyakhulu / 035 905 4640

**Return to VAX Number/EMAIL**

0865159978 / TCPtendersRichardsBay@Transnet.net

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00010		2,5mm2 panel Wire black	2	ea	30.04.2014			

2,5mm2 panel Wire black 100m Roll

Transnet Limited t/a Transnet Freight Rail RME Richards Bay, hereby invite your company to supply a separate detailed quotation to supply the following goods or services required:

- 2,5mm2 panel Wire black 100m Roll  
- 3 Core 50mm sq.11kV XLPE/SWA/PVC Coated copper cable  
Delivery Address: 1 Morris Road, Empangeni

All prices quoted should include delivery costs to the delivery address.

All technical queries relating to this invitation may be addressed to:  
Mr Pierre Crocker Tel: 035 905 3638  
All procurement relating queries can be addressed to:  
Miss Nomvu Mabuyakhulu Tel: 035 905 4640

The closing time for receipt of your official quotations is 12:00 hrs. on Wednesday, 16th of April 2014.



**Transnet SOC Limited**  
**Transnet RME**  
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 2000  
 YOUR VAT NUMBER WITH US: NOT

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Telephonic and late quotes will not be accepted.  
 All quotations should be submitted in our tender box or alternatively via fax to 086 515 9978 or e-mail to TCPtendersRichardsBay@transnet.net.

Please supply the following documents with every quotation submitted;  
 Valid Tax Clearance certificate.  
 Copy of your latest B.B.B.E.E. Certificate.  
 Certificate of good standing with the Workman's compensation commissioner.

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 enquiry, 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.

00020		3 Core 50mm sq.11kV XLP	120	m	30.04.2014			
3 Core 50mm sq.11kV XLPE/SWA/PVC Coated copper cable as per Specification BBC0198 Items 5.2.8,5.2.9,5.2.10 and 5.2.11								



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0865159978 / 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 V.A.T
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



# SPOORNET

A division of Transnet limited

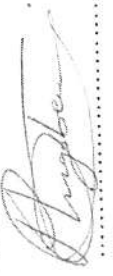
## ENGINEERING AND TECHNOLOGY TECHNOLOGY MANAGEMENT

### SPECIFICATION

## REQUIREMENTS FOR THE SUPPLY OF ELECTRIC CABLES

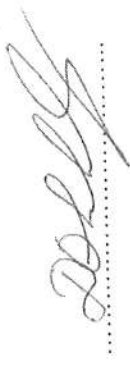
(Appendix to be filled in by client)

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Section: Technology  
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L.O. Borchard

Date: 5 September 2005

#### Circulation restricted to:

- Engineering & Technology: Infrastructure Maintenance
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"PREVIEW COPY ONLY"

**1.0 SCOPE**

This specification covers Spoomet's requirements for cables used for:

- Medium voltage reticulation systems, distribution systems, traction substation supplies, and 3 kV DC feeder applications (3,3/3,3 kV to 19/33 kV).
- Cables used for fixed installations (300/500 V to 1900/3300 V).

**2.0 STANDARDS**

The following publications (latest version) are referred to herein.

**2.1 SOUTH AFRICAN NATIONAL STANDARDS**

- SANS 97 : Electric cables - Impregnated paper insulated metal-sheathed cables for rated voltages 3,3/3,3 kV to 19/33 kV (excluding pressure assisted cables).
- SANS 1339 : Electric cables – Cross-linked polyethylene (XLPE) insulated cables for rated voltages 3,8/6,6 kV to 19/33 kV.
- SANS 1507 : Electric cables with extruded solid dielectric insulation for fixed installations 300/500 V to 1900/3300 V,

- Part 1-General,
- Part 3-PVC Distribution cables,
- Part 4-XLPE distribution cables,
- Part 5-Halogen free distribution cables.

**3.0 APPENDIX**

The following appendix forms an integral part of this specification.

- 3.1 Appendix 1 : Schedule of Requirements: Details of the cable to be supplied.

**4.0 TENDERING PROCEDURE**

- 4.1 Tenderers shall indicate clause-by-clause compliance with the specification. They shall take the form of a separate document listing all the specifications clause numbers indicating the individual statement of compliance or non-compliance.
- 4.2 The tenderers shall motivate a statement of non-compliance.
- 4.3 The tenderer shall submit technical specifications of the cables offered.
- 4.4 Failure to comply with clauses 4.1, 4.2 and 4.3 could preclude a tender from consideration.
- 5.0 MEDIUM VOLTAGE CABLES**
- 5.1 IMPREGNATED PAPER INSULATED.**
- 5.1.1 Paper impregnated lead sheathed (PILC) cables used for reticulation systems and traction power supplies and other applications shall be in accordance with SANS 97.
- 5.1.2 The voltage range for the cables shall be between 3,3kV and 33kV.
- 5.1.3 The cables shall be three core with stranded copper conductors.
- 5.1.4 The cables shall be paper insulated, screened type, lead sheathed provided with an extruded PVC bedding.

- 5.1.5 The armouring shall be galvanised steel wire with outer extruded PVC over sheath over the armouring.
- 5.1.6 The cable shall be so manufactured that it is fully protected against the effect of electrolysis.
- 5.1.7 Single core cables used for 3 kV DC application shall withstand a test voltage of 10,5 kV for one minute.
- 5.1.8 Cables shall be suitable for laying directly in soil and concrete trenches.
- 5.1.9 The cables shall withstand exposure to water, corrosive conditions as well as high ultra violet conditions caused by direct sunlight.
- 5.1.10 The cables shall be tested in accordance with SANS 97. Type test certificates shall be submitted with the cables offered.
- 5.1.11 The packing, marking and sealing of cables and cable drums shall be in accordance with SANS 97.
- 5.2 CROSS – LINKED POLYETHYLENE INSULATED (XLPE).**
- 5.2.1 XLPE cables used for reticulation systems, 3kV DC traction feeders and traction power supplies and other applications shall be in accordance with SANS 1339.
- 5.2.2 The voltage range for the cables shall be between 3,8kV and 33kV.
- 5.2.3 Cables shall be single or three core with stranded copper conductors.
- 5.2.4 The cables shall be type A (armoured) for single and three core cables.
- 5.2.5 Single core type A cable shall be copper tape screened, aluminium wire armoured and provided with a PVC outer sheath.
- 5.2.6 Single core cables shall be rated for 3,8/6,6kV.
- 5.2.7 Single core cables used for 3 kV DC application shall withstand a test voltage of 10,5 kV for one minute.
- 5.2.8 Three core type A cable shall be copper tape screened, galvanised steel wire armoured and provided with a PVC outer sheath.
- 5.2.9 The manufacture of the single and three core cables shall be such that the cables are fully protected against the effect electrolysis.
- 5.2.10 The cables shall be suitable for laying directly in soil and concrete trenches.
- 5.2.11 The cables shall withstand exposure to water, corrosive conditions as well as high ultra violet conditions caused by direct sunlight.
- 5.1.12 The cables shall be tested in accordance with SANS 1339. Type test certificates shall be submitted with the cables offered.
- 5.2.12 Where specified flame-retardant and halogen free cables shall be in accordance with SANS 1339.
- 5.2.13 The packing, marking and sealing of cables and cable drums shall be in accordance with SANS 1339.
- 6.0 CABLES FOR FIXED INSTALLATIONS**
- 6.1 Unless otherwise specified single and multi-core, wire armoured, extruded PVC insulated cables shall be used for fixed installations. The cables shall be in accordance with SANS 1507 part 1 and part 3.
- 6.2 The voltage range is between 300/500 V to 1900/3300 V.
- 6.3 Cables shall have stranded annealed copper conductors.

## BBC0198 Version 1

- 6.4 The cables shall be marked according to SANS 1507 part 3. Core identification shall be by means of colour code or numbering of the insulation.
- 6.5 The cable shall be so manufactured that it is fully protected against the effect of electrolysis.
- 6.6 Where XLPE or halogen free cables are specified the cables shall be in accordance with SANS 1507 parts 4 and 5.
- 6.7 The cables shall be tested in accordance with SANS 1507 parts 3, 4 and 5. Type test certificates shall be submitted with the cables offered.
- 6.8 The packing, marking and sealing of cables and cable drums shall be in accordance with SANS 1507.

### 7.0 QUALITY ASSURANCE

- 7.1 Spoorinet reserves the right to carry out inspection and tests on the equipment at the works of the supplier/manufacturer.
- 7.2 Arrangements must be made timeously for such inspections and type/routine tests in accordance with the cable specifications are carried out before delivery of the cables to the site.

### 8.0 INSPECTION AND TESTING

- 8.1 Spoorinet reserves the right to carry out inspections and any tests on cables at the factory of the supplier/ manufacturer.
- 8.2 Arrangements must be made with The Senior Engineer, Technology Management Spoorinet for inspections to be carried out before delivery of the equipment.



**SCHEDULE OF REQUIREMENTS**  
(To be completed by the client)

- 1.0 MEDIUM VOLTAGE CABLES
- 1.1 PAPER IMPREGNATED LEAD SHEATHED (PILC)
  - 1.1.1 Rated Voltage (V): .....
  - 1.1.2 Number of cores: .....
  - 1.1.3 Length of cables (m): .....
  - 1.1.4 Size of conductors (mm<sup>2</sup>): .....
- 1.2 CROSS LINKED POLYETHYLENE INSULATED (XLPE)  
(XLPE is recommended for 3 kV DC Applications)
  - 1.2.2 Rated Voltage (V): .....
  - 1.2.3 Number of cores: .....
  - 1.2.4 Length of cables (m): .....
  - 1.2.5 Size of conductors (mm<sup>2</sup>): .....
  - 1.2.6 Flame retardant (required/not required): .....
- 2.1 CABLES FOR FIXED INSTALLATIONS
  - 2.1.1 Type of cable required:
    - PVC Distribution cables: (Yes/ No): .....
    - XLPE Distribution cables: (Yes/No): .....
  - 2.1.2 Rated Voltage (V): .....
  - 2.1.3 Number of cores: .....
  - 2.1.4 Length of cables (m): .....
  - 2.1.5 Size of conductors (mm<sup>2</sup>): .....

END