



Transnet Freight Rail RME, a division of

TRANSNET SOC LTD

Registration Number 1990/000900/30

[hereinafter referred to as **Transnet**]

REQUEST FOR QUOTATION [RFQ] NO. RME DBN-051/2014

FOR THE SUPPLY OF: INSULATORS AND SWITCHES

FOR DELIVERY TO: 131 EEL ROAD BAYHEAD DURBAN

ISSUE DATE: 14 JULY 2014

CLOSING DATE: 22 JULY 2014

CLOSING TIME: 12:00

"PREVIEW COPY ONLY"

Section 1
NOTICE TO BIDDERS

Quotations which must be completed as indicated in Section 2 of this RFQ are to be submitted as follows:

METHOD: Tender Box
CLOSING VENUE: The Chairman of the Acquisition Council
Ground Floor Queens Warehouse
237 Mahatma Gandhi (Point) Road
Point, Durban

1 Responses to RFQ

Responses to this RFQ [**Quotations**] must not include documents or reference relating to any other quotation or proposal. Any additional conditions must be embodied in an accompanying letter.

2 Broad-Based Black Economic Empowerment [B-BBEE]

Transnet fully endorses and supports the Government's Broad-Based Black Economic Empowerment Programme and it would therefore prefer to do business with local business enterprises who share these same values. Transnet will accordingly allow a "preference" to companies who provide a valid B-BBEE Verification Certificate. All procurement transactions will be evaluated accordingly.

2.1 B-BBEE Scorecard and Rating

As prescribed in terms of the Preferential Procurement Policy Framework Act (PPPFA), Act 5 of 2000 and its Regulations, Respondents are to note that the following preference point system is applicable to all bids:

- The 80/20 system for requirements with a Rand value of up to R1 000 000 (all applicable taxes included).
- Bidders are to note that if the 80/20 preference point system is stipulated in this RFQ and all Bids received exceed R1 000 000.00, the RFQ must be cancelled.

The value of this bid is estimated to be below R1000 000 (all applicable taxes included) and therefore the **80/20** system shall be applicable.

When Transnet invites prospective suppliers to submit Proposals for its various expenditure programmes, it requires Respondents to have their B-BBEE status verified in compliance with the Codes of Good Practice issued in terms of the Broad Based Black Economic Empowerment Act No. 53 of 2003.

The Department of Trade and Industry recently revised the Codes of Good Practice on 11 October 2013 [Government Gazette No. 36928]. The Revised Codes will replace the Black Economic Empowerment Codes of Good Practice issued on 9 February 2007. The Revised Codes provide for a one year transitional period starting 11 October 2013. During the transitional period, companies may elect to be measured in terms of the Revised Codes or the 2007 version of the Codes. After

the first year of the implementation of the Revised Codes, B-BBEE compliance will be measured in terms of the Revised Codes without any discretion. Companies which are governed by Sector-specific Codes will be measured in terms of those Sector Codes.

As such, Transnet will accept B-BBEE certificates issued based on the Revised Codes. Transnet will also continue to accept B-BBEE certificates issued in terms of the 2007 version of the Codes provided it was issued before 10 October 2014. Thereafter, Transnet will only accept B-BBEE certificates issued based on the Revised Codes.

Respondents are required to complete Annexure A [the B-BBEE Preference Point Claim Form] and submit it together with proof of their B-BBEE Status as stipulated in the Claim Form in order to obtain preference points for their B-BBEE status.

Note: Failure to submit a valid and original B-BBEE certificate or a certified copy thereof at the Closing Date of this RFQ will result in a score of zero being allocated for B-BBEE.

[Refer clause 19 below for Returnable Documents required]

2.2 B-BBEE Improvement Plan - Not Applicable

2.3 Supplier Development Initiatives - Not Applicable

3 Communication

a) Respondents are warned that a response will be liable for disqualification should any attempt be made by a Respondent either directly or indirectly to canvass any officer(s) or employee of Transnet in respect of this RFQ between the closing date and the date of the award of the business.

b) A Respondent may, however, before the closing date and time, direct any written enquiries relating to the RFQ to the following Transnet employee:

Name: Anne Mongie Email: anne.mongie@transnet.net

c) Respondents may also, at any time after the closing date of the RFQ, communicate with the Regional Supply Chain Manager Durban Boitumelo Manyakalle on any matter relating to its RFQ response:

Telephone 031 361 1016 Email Boitumelo.manyakalle@transnet.net

Tax Clearance

The Respondent's original and valid Tax Clearance Certificate must accompany the Quotation. Note that no business shall be awarded to any Respondent whose tax matters have not been declared by SARS to be in order.

4 VAT Registration

The valid VAT registration number must be stated here: _____ [if applicable].

5 Legal Compliance

The successful Respondent shall be in full and complete compliance with any and all applicable national and local laws and regulations.

6 Changes to Quotations

Changes by the Respondent to its submission will not be considered after the closing date and time.

7 Pricing

All prices must be quoted in South African Rand on a fixed price basis, excluding VAT.

8 Prices Subject to Confirmation

Prices quoted which are subject to confirmation will not be considered.

9 Negotiations

Transnet reserves the right to undertake post-tender negotiations with selected Respondents or any number of short-listed Respondents.

10 Binding Offer

Any Quotation furnished pursuant to this Request shall be deemed to be an offer. Any exceptions to this statement must be clearly and specifically indicated.

11 Disclaimers

Transnet is not committed to any course of action as a result of its issuance of this RFQ and/or its receipt of a Quotation in response to it. Please note that Transnet reserves the right to:

- modify the RFQ's goods / service(s) and request Respondents to re-bid on any changes;
- reject any Quotation which does not conform to instructions and specifications which are detailed herein;
- disqualify Quotations submitted after the stated submission deadline;
- not necessarily accept the lowest priced Quotation;
- reject all Quotations, if it so decides;
- place an order in connection with this Quotation at any time after the RFQ's closing date;
- award only a portion of the proposed goods / service/s which are reflected in the scope of this RFQ;
- split the award of the order/s between more than one Supplier/Service Provider; or
- make no award at all.

Transnet reserves the right to award business to the highest scoring bidder/s unless objective criteria justify the award to another bidder.

12 Transnet's supplier integrity pact

Transnet's Integrity Pact requires a commitment from suppliers and Transnet that they will not engage in any corrupt and fraudulent practices, anti-competitive practices; and act in bad faith towards each other.

The Integrity Pact also serves to communicate Transnet’s Gift Policy as well as the remedies available to Transnet where a Respondent contravenes any provision of the Integrity Pact.

Respondents are required to familiarise themselves with the contents of the Integrity Pact which is available on the Transnet Internet site [www.transnet.net/Tenders/Pages/default.aspx] or on request. Furthermore, Respondents are required to certify that they have acquainted themselves with all the documentation comprising the Transnet Integrity Pact and that they fully comply with all the terms and conditions stipulated in the Transnet Supplier Integrity Pact as follows:

YES		NO	
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Should a Respondent need to declare previous transgressions or a serious breach of law in the preceding 5 years as required by Annexure A to the Integrity Pact, such declaration must accompany the Respondent’s bid submission.

13 Respondent’s Samples - Not Applicable

14 Evaluation Criteria

Transnet will utilise the following criteria [not necessarily in this order] in choosing a Supplier/Service Provider, if so required:

Criterion/Criteria	Explanation
Administrative responsiveness	Completeness of response and returnable documents
Final weighted evaluation based on 80/20 preference point system as indicated in paragraph Error! Reference source not found.	<ul style="list-style-type: none"> Pricing and price basis [firm] - whilst not the sole factor for consideration, competitive pricing and overall level of unconditional discounts¹ will be critical B-BBEE status of company - Preference points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table indicated in Annexure A.

15 Validity Period

Transnet desires a validity period of 90 [ninety] days from the closing date of this RFQ.

This RFQ is valid until _____.

¹ Only unconditional discounts will be taken into account during evaluation. A discount which has been offered conditionally will, despite not being taken into account for evaluation purposes, be implemented when payment is effected.

16 Banking Details

BANK: _____

BRANCH NAME / CODE: _____

ACCOUNT HOLDER: _____

ACCOUNT NUMBER: _____

17 Company Registration

Registration number of company / C.C. _____

Registered name of company / C.C. _____

18 Disclosure of Prices Quoted

Respondents must indicate here whether Transnet may disclose their quoted prices and conditions to other Respondents:

YES NO

19 Returnable Documents

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below.

a) Respondents are required to submit with their Quotations the **Returnable Documents**, as detailed below.

Failure to provide all these Returnable Documents at the Closing Date and time of this RFQ may result in a Respondent's disqualification. Respondents are therefore urged to ensure that all these Documents are returned with their Quotations.

All Sections, as indicated in the footer of each page, must be signed, stamped and dated by the Respondent. Please confirm submission of these Returnable Documents by so indicating [Yes or No] in the table below.

Returnable Documents	Submitted [Yes or No]
SECTION 1 : Notice to Bidders	
<ul style="list-style-type: none"> - Valid and original B-BBEE Verification Certificate or certified copy thereof [Large Enterprises and QSEs] Note: failure to provide a valid B-BBEE Verification Certificate at the closing date and time of the RFQ will result in an automatic score of zero for preference 	
<ul style="list-style-type: none"> - Valid and original B-BBEE certificate/sworn affidavit or certified copy thereof from auditor, accounting officer or SANAS accredited Verification Agency [EMEs] Note: failure to provide a valid B-BBEE Verification Certificate at the closing date and time of the RFQ will result in an automatic score of zero being allocated for preference 	
<ul style="list-style-type: none"> - In the case of Joint Ventures, a copy of the Joint Venture Agreement or written confirmation of the intention to enter into a Joint Venture Agreement 	

Returnable Documents	Submitted [Yes or No]
<ul style="list-style-type: none"> - Original valid Tax Clearance Certificate [Consortia / Joint Ventures must submit a separate Tax Clearance Certificate for each party] 	
SECTION 2 : Quotation Form	
SECTION 3: Vendor Application Form	
<ul style="list-style-type: none"> • Original cancelled cheque or bank verification of banking details 	
<ul style="list-style-type: none"> • Certified copies of IDs of shareholder/directors/members [as applicable] 	
<ul style="list-style-type: none"> • Certified copies of the relevant company registration documents from Companies and Intellectual Property Commission (CIPC) 	
<ul style="list-style-type: none"> • Certified copies of the company's shareholding/director's portfolio 	
<ul style="list-style-type: none"> • Entity's letterhead 	
<ul style="list-style-type: none"> • Certified copy of VAT Registration Certificate [RSA entities only] 	
<ul style="list-style-type: none"> • Certified copy of valid Company Registration Certificate [if applicable] 	
Financial Statements signed by your Accounting Officer or Audited Financial Statements for previous 3 years	
ANNEXURE A – B-BBEE Preference Points Claim Form	

b) In addition to the requirements of paragraph a) above, Respondents are further requested to submit with their Proposals the following **additional documents** as detailed below.

Please confirm submission of these additional documents by so indicating [Yes or No] in the table below:

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Respondent's Signature

Date & Company Stamp

Section 2 QUOTATION FORM

I/We _____
hereby offer to supply the goods/services at the prices quoted in the Price Schedule below, in accordance with the conditions related thereto.

I/We agree to be bound by those terms and conditions in:

- the Standard Terms and Conditions for the Supply of Goods or Services to Transnet [available on request]; and
- any other standard or special conditions mentioned and/or embodied in this Request for Quotation.

I/We accept that unless Transnet should otherwise decide and so inform me/us, this Quotation [and, if any, its covering letter and any subsequent exchange of correspondence], together with Transnet's acceptance thereof shall constitute a binding contract between Transnet and me/us.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fail to deliver the said goods/service/s within the delivery lead-time quoted, Transnet may, without prejudice to any other legal remedy which it may have, cancel the order and recover from me/us any expenses incurred by Transnet in calling for Quotations and/or having to accept any less favourable offer.

Price Schedule

I/We quote as follows for the goods required, on a "delivered nominated destination" basis, excluding VAT:

Item No	Description of Goods /Services	Unit of Measure	Quantity	Unit Price (ZAR)	Total Price (ZAR)
1	Supply 5kv AC section Insulator 107mm2 "Ardu Fluv" as per spec.	Each	5		
2	Supply Track Switch 24kv AC as per spec.	Each	3		

Delivery Lead-Time from date of purchase order : _____ [days/weeks]

Notes to Pricing:

- a) All Prices must be quoted in South African Rand, exclusive of VAT
- b) To facilitate like-for-like comparison bidders must submit pricing strictly in accordance with this price schedule and not utilise a different format. Deviation from this pricing schedule could result in a bid being disqualified.
- c) Please note that should you have offered a discounted price(s), Transnet will only consider such price discount(s) in the final evaluation stage if offered on an unconditional basis.

Respondent's Signature

Date & Company Stamp

Section 3
VENDOR APPLICATION FORM

Respondents are to furnish the following documentation and complete the Vendor Application Form below:

1. **Original** cancelled cheque **OR** letter from the Respondent's bank verifying banking details **[with bank stamp]**
2. **Certified** copy of Identity Document(s) of Shareholders/Directors/Members [where applicable]
3. **Certified copies** of the relevant company registration documents from Companies and Intellectual Property Commission (CIPC)
4. **Certified copies** of the company's shareholding/directors' portfolio
5. A letter on the company's letterhead confirm physical and postal addresses
6. **Original** valid SARS Tax Clearance Certificate
7. **Certified copy** of VAT Registration Certificate
8. **A valid and original** B-BBEE Verification Certificate / sworn affidavit **or certified copy** thereof meeting the requirements for B-BBEE compliance as per the B-BBEE Codes of Good Practice
9. **Certified copy** of valid Company Registration Certificate [if applicable]

Vendor Application Form

Company trading name						
Company registered name						
Company Registration Number or ID Number if a Sole Proprietor						
Form of entity [✓]	CC	Trust	Pty Ltd	Limited	Partnership	Sole Proprietor
VAT number [if registered]						
Company telephone number						
Company fax number						
Company email address						
Company website address						
Bank name				Branch & Branch code		
Account holder				Bank account number		
Postal address						

Respondent's Signature

Date & Company Stamp

		Code	
Physical Address		Code	
Contact person			
Designation			
Telephone			
Email			
Annual turnover range [last financial year]	< R5 m	R5 - 35 m	> R35 m
Does your company provide	Products	Services	Both
Area of delivery	National	Provincial	Local
Is your company a public or private entity	Public	Private	
Does your company have a Tax Directive or IRP30 Certificate	Yes	No	
Main product or services [e.g. Stationery/Consulting]			

Complete B-BBEE Ownership Details:

% Black ownership	% Black women ownership	% Disabled Black ownership	% Youth ownership
Does your entity have a B-BBEE certificate		Yes	No
What is your B-BBEE status [Level 1 to 9 / Unknown]			
How many personnel does the entity employ		Permanent	Part time

If you are an existing Vendor with Transnet please complete the following:

Transnet contact person	
Contact number	
Transnet Operating Division	

Duly authorised to sign for and on behalf of Company / Organisation:

Name		Designation	
Signature		Date	

**RFQ FOR THE SUPPLY OF 240MM X 4CORE PVC SWA ECC CABLE
FOR A PERIOD OF ONCE OFF**

ANNEXURE A : B-BBEE PREFERENCE POINTS CLAIM FORM

This preference form contains general information and serves as a claim for preference points for Broad-Based Black Economic Empowerment [**B-BBEE**] Status Level of Contribution.

1. INTRODUCTION

- 1.1 A total of 20 (twenty) preference points shall be awarded for B-BBEE Status Level of Contribution.
- 1.2 Failure on the part of a Bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System [**SANAS**] or a Registered Auditor approved by the Independent Regulatory Board of Auditors [**IRBA**] or an Accounting Officer as contemplated in the Close Corporation Act [**CCA**] together with the bid will be interpreted to mean that preference points for B-BBEE Status Level of Contribution are not claimed.
- 1.3 Transnet reserves the right to require of a Bidder, either before a Bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by Transnet.

2. GENERAL DEFINITIONS

- 2.1 "**all applicable taxes**" include value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 2.2 "**B-BBEE**" means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 2.3 "**B-BBEE status of contributor**" means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.4 "**Bid**" means a written offer in a prescribed or stipulated form in response to an invitation by Transnet for the provision of goods, works or services;
- 2.5 "**Broad-Based Black Economic Empowerment Act**" means the Broad-Based Black Economic Empowerment Act, 2003 [Act No. 53 of 2003];
- 2.6 "**comparative price**" means the price after the factors of a non-firm price and all unconditional discounts that can be utilised have been taken into consideration;
- 2.7 "**consortium or joint venture**" means an association of persons for the purpose of combining their expertise, property, capital, efforts, skills and knowledge in an activity for the execution of a contract;
- 2.8 "**contract**" means the agreement that results from the acceptance of a bid by Transnet;
- 2.9 "**EME**" means any enterprise with an annual total revenue of R5 [five] million or less as per the 2007 version of the B-BBEE Codes of Good Practice and means any enterprise with an annual total revenue of R10 [ten] million or less as per the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928;

- 2.10 **"firm price"** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs and excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 **"functionality"** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- 2.12 **"non-firm prices"** means all prices other than "firm" prices;
- 2.13 **"person"** includes reference to a juristic person;
- 2.14 **"QSE"** means any enterprise with an annual total revenue between R5 [five] million and R35 [thirty five] million as per the 2007 version of the B-BBEE Codes of Good Practice and means any enterprise with an annual total revenue of between R10 [ten] million and R50 [fifty] million as per the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928
- 2.15 **"rand value"** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.16 **"subcontract"** means the primary contractor's assigning or leasing or making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.17 **"total revenue"** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Empowerment Act and promulgated in the Government Gazette on 9 February 2007;
- 2.18 **"trust"** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.19 **"trustee"** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The Bidder obtaining the highest number of total points for the evaluation criteria as enumerated in Section 2 of the RFP will be awarded the contract, unless objective criteria justifies the award to another bidder.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.
- 3.3 Points scored will be rounded off to 2 [two] decimal places.
- 3.4 In the event of equal points scored, the Bid will be awarded to the Bidder scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more Bids have scored equal points including equal preference points for B-BBEE, the successful Bid will be the one

scoring the highest score for functionality.

3.6 Should two or more Bids be equal in all respect, the award shall be decided by the drawing of lots.

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4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

- 4.1 In terms of the Preferential Procurement Regulations, 2011, preference points shall be awarded to a Bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor		Number of Points [Maximum 20]
1		20
2		18
3		16
4		12
5		8
6		6
7		4
8		2
Non-compliant contributor		0

- 4.2 Bidders who qualify as EMEs in terms of the 2007 version of the Codes of Good Practice must submit a certificate issued by an Accounting Officer as contemplated in the CCA or a Verification Agency accredited by SANAS or a Registered Auditor. Registered auditors do not need to meet the prerequisite for IRBA's approval for the purpose of conducting verification and issuing EME's with B-BBEE Status Level Certificates.
- 4.3 Bidders who qualify as EMEs in terms of the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928 are only required to obtain a sworn affidavit on an annual basis confirming that the entity has an Annual Total Revenue of R10 million or less and the entity's Level of Black ownership.
- 4.4 In terms of the 2007 version of the Codes of Good Practice, Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- 4.5 In terms of the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928, Bidders who qualify as QSEs are only required to obtain a sworn affidavit on an annual basis confirming that the entity has an Annual Total Revenue of R50 million or less and the entity's Level of Black ownership. Large enterprises must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- 4.6 A trust, consortium or joint venture will qualify for points for its B-BBEE status level as a legal entity, provided that the entity submits its B-BBEE status level certificate.
- 4.7 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 4.8 Tertiary institutions and public entities will be required to submit their B-BBEE status level

certificates in terms of the specialised scorecard contained in the B-BBEE Codes of Good Practice.

- 4.9 A person will not be awarded points for B-BBEE status level if it is indicated in the Bid documents that such a Bidder intends subcontracting more than 25% [twenty-five per cent] of the value of the contract to any other enterprise that does not qualify for at least the same number of points that such a Bidder qualifies for, unless the intended subcontractor is an EME that has the capability and ability to execute the subcontract.
- 4.10 A person awarded a contract may not subcontract more than 25% [twenty-five per cent] of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is subcontracted to an EME that has the capability and ability to execute the subcontract.
- 4.11 Bidders are to note that in terms of paragraph 2.6 of Statement 000 of the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928, any representation made by an entity about its B-BBEE compliance must be supported by suitable evidence or documentation. As such, Transnet reserves the right to request such evidence or documentation from Bidders in order to verify any B-BBEE recognition claimed.

5. B-BBEE STATUS AND SUBCONTRACTING

5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

B-BBEE Status Level of Contributor _____ = _____ [maximum of 20 points]

Note: Points claimed in respect of this paragraph 5.1 must be in accordance with the table reflected in paragraph 4.1 above and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or a sworn affidavit in the case of an EME or QSE.

5.2 Subcontracting:

Will any portion of the contract be subcontracted? YES/NO [delete which is not applicable]

If YES, indicate:

- (i) What percentage of the contract will be subcontracted?%
- (ii) The name of the subcontractor
- (iii) The B-BBEE status level of the subcontractor
- (iv) Is the subcontractor an EME? YES/NO

5.3 Declaration with regard to Company/Firm

- (i) Name of Company/Firm.....
- (ii) VAT registration number.....
- (iii) Company registration number.....
- (iv) Type of Company / Firm [TICK APPLICABLE BOX]

- Partnership/Joint Venture/Consortium
- One person business/sole propriety
- Close Corporations

Company (Pty) Ltd

(v) Describe Principal Business Activities

.....
.....
.....

(vi) Company Classification [TICK APPLICABLE BOX]

Manufacturer

Supplier

Professional Service Provider

Other Service Providers, e.g Transporter, etc

(vii) Total number of years the company/firm has been in business.....

BID DECLARATION

I/we, the undersigned, who warrants that he/she is duly authorised to do so on behalf of the company/firm, certify that points claimed, based on the B-BBEE status level of contribution indicated in paragraph 4 above, qualifies the company/firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct.
- (ii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 6 above, the contractor may be required to furnish documentary proof to the satisfaction of Transnet that the claims are correct.
- (iii) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, Transnet may, in addition to any other remedy it may have:
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the Bidder or contractor, its shareholders and directors, and/or associated entities, or only the shareholders and directors who acted in a fraudulent manner, from obtaining business from Transnet for a period not exceeding 10 years, after the *audi alteram partem* [hear the other side] rule has been applied; and/or
 - (e) forward the matter for criminal prosecution.

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WITNESSES:

- 1.
- 2.

SIGNATURE OF BIDDER

DATE:.....

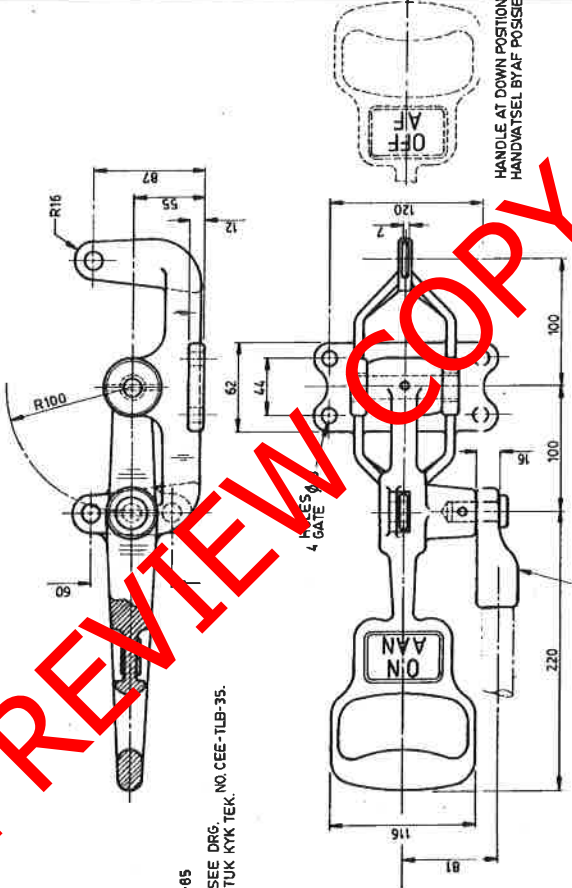
COMPANY NAME:

ADDRESS:.....

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AMENDMENTS WYSIGTINGS		
NO	NAME NAAM	DATE DATUM
2.	J. STEYN	87-03-13

REDRAWN & REVISED.
OORGETEKEN EN HERSEEN.
DESK NO WAS ENW-EIG-5.
TEK REF
91-VERW T86/48



- NOTES / OPMERKINGS
1. REFER TO SPEC. VERWYS NA SPEK. CEE-0117-85
 2. FOR SWITCH ROD ADAPTOR SEE DRG. NO. CEE-TLB-35. VIR SKAKELAARSTANG-PASSTUK KYK TEK. NO. CEE-TLB-35.

ELECTRIFICATION TYPES REFERANSIE Tipes	PREVIOUS ITEM NO VORIGE ITEM NO
REFERENCE DRG. NO REFERANSIE Teken Nomb.	547/112201
ELECTRIFICATION SHEET NO VERWYSINGSBLOK NOMB.	NO CEE-
CEE-MA-365 VEL 7B	TLB-36
MODULES ITEM NO (M) 547 1230	SHEET VEL
	VAN

NOT TO SCALE
NIE VOLGENS SKAAL

ELECTRIFICATION TYPES / ELECTRIFIKASIE Tipes : GENERAL / ALGEMEEN
HANDLE SWITCH.
COMPLETE MECHANISM WITHOUT OPERATING ROD.
TYPE A.E.G. TRACK SWITCH.
HANDVATSEL, SKAKELAAR.
VOLLEDIGE MEKANISME SONDER WERKSTANG.
Tipe A.E.G. BOBAAN SKAKELAAR.

DRN	SEN TOLERANCES / LINES 0.5
GET	ALG TOLERANSIES, LANG/HOEK#
NGT	DO REF LENG
TKD	TK-VERN TR
NGS	DATE
	DATE
	For
	By
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SOUTH AFRICAN TRANSPORT SERVICES

ELECTRICAL ENGINEERING

SPECIFICATION NO. CEE.0055.86

* This specification cancels the *
* following specification : *
* CEE.0055.83 *

Specification for Section Insulators for 25 kV AC, overhead track equipment for both high and low speed traffic.

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STATEMENT OF COMPLIANCE

- 1.0 SCOPE
- 1.1 This specification covers the South African Transport Services' requirements for bi-directional 25 kV, AC section insulators, excluding catenary insulation.
- 2.0 REFERENCE
- 2.1 The following specifications (latest edition) are referred to herein :-
- 2.1.1 American Standards and Test Methods ASTM D2303
- 2.1.2 South African Transport Services CEE-0012.83/1
- 2.1.3 I.E.C. Standard, publication 383
- 2.2 The following drawings are referred to herein :-
- 2.2.1 Siemens drawing No. WF 4 2 703 405 (pantograph for AC locomotive).
- 3.0 METHOD OF TENDERING
- 3.1 Tendering shall be in accordance with South African Transport Services' specification CEE.0012.83/1. complies/does not comply
- 3.1.1 The tender price shall include all accessories such as support fittings, (where required) i.e. droppers and insulators, clamps etc. but shall exclude catenary insulation which shall be supplied by others. complies/does not comply
- 3.1.2 Spares shall be quoted for separately as per clause 8. complies/does not comply
- 3.1.3 Tools shall be quoted for separately as per clause 9. complies/does not comply
- 4.0 SERVICE CONDITIONS
- 4.1 The section insulators shall be suitable for use under the following service conditions :

4.1.1 Environmental conditions :

Altitude : 0 - 1 800 m above sea level
Relative humidity : Up to 86 %
Ambient temperature : Minus 5 °C plus 40 °C
Wind pressure on equivalent projected area normal to direction of wind : 750 Pa
Lightning conditions : Severe, 7,75 flashes/km²/year
Pollution : Normal. However, steam and diesel-electric locomotives will operate under the equipment.

4.1.2 Mechanical Conditions :

4.1.2.1 Contact wire tension (new wire) : 11 kN(min) to 17 kN(max).
4.1.2.2 Required safety factor (overall) : 2 for 107 mm² contact wire, 2,7 for 161 mm² contact wire.
4.1.2.3 Contact wire size : 107 mm² or 161 mm² as specified

4.1.3 Electrical Conditions :

4.1.3.1 Highest voltage of system : 27,5 kV AC
Lowest voltage of system : 19,9 kV AC
4.1.3.2 Maximum commutated current : 600 amps
Maximum short circuit current : 8 000 amps

The circuit breakers opening time on the occurrence of a fault is 60 - 150 milliseconds for 25 kV AC systems.

5.0 DRAWINGS AND INSTRUCTIONS

5.1 Tenderers shall provide the following information at time of tendering to enable a proper adjudication to be made. Failure to do so shall be indicated in the "STATEMENT OF COMPLIANCE" and may lead to rejection of the tender. Where feasible the information may be provided on the drawing :

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- 5.1.1 A detailed drawing showing insulation inserts, runners, arcing horns and suspension arrangements with all relevant dimensions and in particular deviation, if any, from a plane surface after installation. (See clause 6 for design requirements.) complies/does not comply
- 5.1.2 Details of insulating materials used. Resistance to Ultra-violet radiation shall be stated. complies/does not comply
- 5.1.3 Detail and composition of metallic components used. complies/does not comply
- 5.1.4 Minimum distance to be allowed between section insulator and catenary. complies/does not comply
- 5.1.5 Details of adjusting height and level at right angles, as well as longitudinal, to the track. complies/does not comply
- 5.1.6 Overall mass. complies/does not comply
- 5.1.7 Details of adjustment of arcing horns. complies/does not comply
- 5.1.8 Comprehensive instructions for installation and details of any special tools or equipment required. complies/does not comply
- 5.1.9 List of railways and service conditions where the section insulator offered is in successful use. complies/does not comply
- 5.1.10 Test certificates for tests called for in clause 7.2. complies/does not comply
5. Photocopies of original documentation shall be clearly legible. complies/does not comply
- 6.0 DESIGN REQUIREMENTS :
- 6.1 The section insulators shall be of durable design and shall be capable of carrying out their functions reliably under the service conditions stated. They shall be suitable for bi-directional traffic at speeds of up to 160 km/h. complies/does not comply
- 6.2 The overall suspended mass of the section insulator shall not exceed 21 kg. (The mass of support droppers and fittings excluded). complies/does not comply

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- 6.3 The overall width of that part of the section insulator in contact with the pantograph shall not exceed 330 mm. complies/does not comply
- 6.4 The section insulator shall be provided with suitable runners of either metal or insulating material such that a smooth continuous running surface is created for the passage of a pantograph. complies/does not comply
- 6.5 They shall be so designed that electrical contact between pantograph and the overhead system will under no circumstances be completely broken whilst being traversed by the pantograph. Designs incorporating a gap longitudinally across the section insulator (i.e. with insulator runners) the gap width shall not exceed 300 mm such that the gap can be bridged out by the pantograph. Drawing No. 42-703 405 shows the detail of the pantograph. complies/does not comply
- 6.6 Allowance shall be made in the design to ensure that no obstruction shall be formed to the passing pantograph should the section insulator not be set perfectly level cross-wise to the track. complies/does not comply
- 6.7 The section insulator shall preferably present a perfectly plane running surface to the pantograph, when installed at the normal tension of 11,5 kN. If not perfectly plane, or if variations in tension can result in deviations from a perfect plane, the maximum allowable deviation shall be 6 mm at any point on the running surface within the range of operating tensions quoted in clause 4.1.2.1. complies/does not comply
- 6.8 All runners or parts in contact with the pantograph shall be of rigid design such that no part shall deflect by more than that specified in clause 6.7 whilst being subjected to the upward thrust of the pantograph of 70 Newtons. complies/does not comply
- 6.9 Arcing horns shall be provided and designed such to assist in extinguishing any arc. They shall also be placed such that the insulation used will not be damaged by the arcs drawn during operation and shall be of rigid design.

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- 6.16 Means of locking all bolts and screws shall be provided. All screw threads shall be of metal. complies/does not comply
- 7.0 TESTS
- 7.1 General
- 7.1.1 The first section insulator shall be subjected to type tests as specified in clauses 7.2. complies/does not comply
- 7.1.2 All main insulators of the composite type, shall be subjected to the routine test as specified in clause 7.3. complies/does not comply
- 7.1.3 At least five samples of the main insulator material shall be subjected to the type test as specified in clause 7.2.1. complies/does not comply
- 7.1.4 The responsibility for arranging these tests shall rest with the tenderer although the South African Transport Services reserves the right to perform such tests independently. complies/does not comply
- 7.1.5 The South African Transport Services reserves the right to call for further type tests if considered necessary. complies/does not comply
- 7.1.6 The South African Transport Services reserves the right to be present at all tests. complies/does not comply
- 7.2 Type tests
- 7.2.1 The insulating material (if of synthetic type) shall be tested for resistance to tracking in accordance with the test method described in ASTM D 2303. The average time to track 13 mm for five samples shall not be less than 24 hours at a constant test voltage of 2 kV with a constant contaminating flow rate as prescribed in ASTM D 2303. The cabinet in which the tracking test is performed shall be open at the top in order to create sufficient ventilation, thus limiting the relative humidity inside the chamber to a value that will not give false results. The flow rate of the contaminant should be accomplished by a gravity feed from a large reservoir mounted at a sufficient height to obtain the desired flow rate. complies/does not comply

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- 7.2.2 Impulse and power frequency tests shall be carried out on a complete section insulator in accordance with IEC Standard, Publication 383. complies/does not comply
- 7.2.3 Mechanical load tests shall be carried out to establish whether the section insulator can withstand the maximum tension called for in clause 4.1.2.1 at a safety factor as specified. complies/does not comply
- 7.3 Water immersion tests shall be carried out as follows :- (Routine test)
- 7.3.1 Immerse the sample in hot tap water (50 °C) and allow water to cool over 8 hours to approximately 20 °C.
- 7.3.2 Repeat 7.3.1 nine times.
- 7.3.3 After the 10th cycle, remove the sample from the water, wipe the surface dry with a paper towel and apply a DC test voltage of 25 kV/m length of insulator within 10 minutes. Measure the current after one minute on a DC ammeter capable of reading 10^{-9} A.
- 7.3.4 Insulators passing more than 10^{-7} Amperes have failed the test and must be rejected. complies/does not comply
- 8.0 SPARES
- 8.1 Tenderer shall quote separately for the following spares :-
- 8.1.1 Arcing horns.
- 8.1.2 Main insulators.
- 8.1.3 Metal runners (if not integrated with arcing horns).
- 8.2 The following information shall be made available for spares :-
- 8.2.1 Complete ordering description.
- 8.2.2 Name of manufacturer.
- 8.2.3 Catalogue description number.
- 8.2.4 Type- and ordering number. complies/does not comply

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The air-gap between arcing horns at different potential shall not be less than 150 mm. Each horn shall have a straight length above this air gap not less than 120 mm and not more than 350 mm.

complies/does not comply

6.10 The main insulating material forming the insulation between the two circuits shall have a creepage length of not less than 750 mm. It shall also be able to withstand abrasion resulting from the passage of pantographs (if applicable) as well as electric arcing and ultra-violet radiation.

P.T.F.E. (Teflon) shall not be used if in direct contact with the pantograph.

complies/does not comply

6.11 Where composite insulators are used as main insulation the protective coating on the outside shall be bonded to the core such that no cavities are formed between the coating and the core and shall be sealed at the ends to prevent the possibility of tracking along the insulator underneath the protective coating.

complies/does not comply

Each insulator of this type shall be subjected to the water immersion test described in clause 7.3.

complies/does not comply

6.12 Clause 6.11 also applies to any other protective material provided to protect the insulation against arcing.

complies/does not comply

6.13 Supporting droppers shall (if provided) be insulated to prevent any arcs from jumping onto the catenary wire via the droppers. They shall also be adjustable either by means of turnbuckles or some other means of providing fine adjustments to its length.

Droppers shall be protected by thimbles or similar means to prevent wear taking place at sharp edges.

complies/does not comply

6.14 Supporting droppers must be provided if the mass of the section insulator exceeds 5 kg or if its overall width is in excess of 75 mm.

complies/does not comply

6.15 Only non-corrosive materials shall be used in the construction of the section insulator. Brass may not be used.

complies/does not comply