

NEC3 Engineering and Construction Short Contract (ECSC)

entered into by and between

Transnet SOC Ltd

Registration Number 1990/000900/30

(hereinafter referred to as the "*Employer*")

and

.....
Registration Number

(hereinafter referred to as the "*Contractor*")

DESCRIPTION OF THE WORKS:

SUPPLY, INSTALL, TEST AND COMMISSION SF6
GAS FILLED PRIMARY CIRCUIT BREAKERS FOR
3kV TRACTION SUBSTATION UNDER THE
CONTROL OF THE DEPOT ENGINEER, ISANDO
FOR 2MONTHS

Enquiry Number:

RFQ No. SIM16000CIDB

Issue Date:

24 May 2016

Briefing Session Date:

01 June 2016 at 10:00

Closing Date:

14 June 2016

T1.1 Tender Notice and Invitation to Tender

Transnet SOC Ltd invites tenders for the Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando for the period of Two Months.

Tenders should have a CIDB contractor grading designation of **3EP** or higher, **2EP PE will also be considered**.

Preferences are offered to tenderers who are in possession of a valid SANAS or IRBA B-BBEE accreditation certificate.

Only tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered or a value determined in accordance with regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations for 3EP or higher, 2EP PE will also be considered class of construction work, are eligible to have their tenders evaluated.

The physical address for collection of tender documents is:

**Transnet Freight Rail Advice Centre
Inyanda House 1
Ground floor, 21 Wellington Road
Parktown, Johannesburg**

Documents may be collected during working hours **free of charge** after 08h00 on **Tuesday, 24th May 2016** until 15h00 on **Tuesday, 31st May 2016**.

Queries relating to the issue of these documents may be addressed to

Mr Caroline Moerane

Tel No 011 584 0626

Email Caroline.Moerane@transnet.net

A **compulsory clarification** meeting with representatives of the Employer will take place at:

1 Anvil Road, Isando on Wednesday, 01 June 2016, at 10:00 followed by a compulsory site meeting, thereafter **(to be notified at clarification meeting)**. Respondents must provide their **own transport and protective clothing (without protective clothing respondents will not be allowed to attend site meeting)**.

The closing time for receipt of tenders is **10:00hrs on Tuesday, 14 June 2016**.

Telegraphic, telephonic, facsimile, e-mail and late tenders will not be accepted.

Tenders may only be submitted on the tender documentation that is issued.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

Respondents are required to self-register on National Treasury's Central Supplier Database (CSD) which has been established to centrally administer supplier information for all organs of state and to facilitate the verification of certain key suppliers information. The CSD can be accessed at <https://secure.csd.gov.za/>. Respondents are required to provide the following to Transnet in order to enable it to verify information on the CSD.

- 1. Supplier Number**
- 2. Unique registration reference number**

The South African Revenue Service (SARS) has implemented a new Tax Compliance Status (TCS) system in terms of which a taxpayer is now able to authorise any 3rd Party to verify its compliance status in one of two ways: either through the use of an electronic access PIN, or through the use of Tax clearance Certificate obtained from the new TCS system.

Respondents are required to provide the following to Transnet in order to enable it to verify their tax compliance status:

- 1. Tax Reference Number**
- 2. Tax Clearance Certificate**
- 3. Or Pin**

DISCLAIMERS

Respondents are hereby advised that Transnet is not committed to any course of action as a result of its issuance of this RFQ and/or its receipt of Proposals. In particular, please note that Transnet reserves the right to:

- modify the RFQ's Services and request Respondents to re-bid on any such changes;
- reject any Proposal which does not conform to instructions and specifications which are detailed herein;
- disqualify Proposals submitted after the stated submission deadline [Closing Date];
- not necessarily accept the lowest priced Proposal or an alternative bid;
- reject all Proposals, if it so decides;
- split the award of business between more than one(1) Contractor(s), should it be more advantageous in terms of, amongst others, cost or developmental considerations at Transnet discretion;
- make no award of a contract;
- award a contract in connection with this Proposal at any time after the RFQ's closing date;
- award a contract for only a portion of the proposed Services which are reflected in the scope of this RFQ;

Kindly note that Transnet will not reimburse any Respondent for any preparatory costs or other work performed in connection with its Proposal, whether or not the Respondent is awarded a contract.

Transnet urges Clients, Suppliers and Service Providers to report any acts of fraud and/or instances of corruption to Transnet's TIP-OFFS ANONYMOUS on 0800 003 056 or Transnet@tip-offs.com.



Transnet Freight Rail
A Division of Transnet SOC Ltd

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ACKNOWLEDGMENT OF RECEIPT OF DOCUMENTS

AND INTENTION TO TENDER

(To be returned within 3 days after receipt)

Email To: Transnet Freight Rail

Project No.: N/A

Email: Caroline.Moerane@transnet.net

Tender No.: SIM16000CIDB

Attention: Caroline Moerane

Closing Date: **14 June 2016**

SUPPLY, INSTALL, TEST AND COMMISSION SF6 GAS FILLED PRIMARY CIRCUIT BREAKERS FOR
3kV TRACTION SUBSTATION UNDER THE CONTROL OF THE DEPOT ENGINEER, ISANDO

We: **Do wish to tender** for the work and shall return our tender by the due date above

Check
Yes ☐

Do not wish to tender on this occasion and herewith return all your documents received

REASON FOR NOT TENDERING:

COMPANY'S NAME, ADDRESS, CONTACT, PHONE AND TELEFAX NUMBERS

SIGNATURE: _____

TITLE: _____



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T1.2 Tender Data

The conditions of tender are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement (January 2009) as published in Government Gazette No 31823, Board Notice 12 of 2009 of 30 January 2009, subsequently amended (May 2010) in Board Notice 86 of 2010. (See www.cidb.org.za)

The Standard Conditions of Tender make several references to Tender Data for details that apply specifically to this tender. This Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced in the left hand column to the clause in the Standard Conditions of Tender to which it mainly applies.

Clause	Data
F.1.1	The Employer is Transnet SOC Ltd (Registration No. 1990/000900/30)
F.1.2	The tender documents issued by the Employer comprise: <div> <div> Part T1: Tendering procedures </div> <div> T1.1 Tender notice and invitation to tender T1.2 Tender data T1.3 Tender Conditions of Tender </div> </div> <div> <div> Part T2: Returnable documents </div> <div> T2.1 List of returnable documents T2.2 Returnable schedules C1.1 Form of offer and acceptance C1.2 Contract data C2.2 Price List </div> </div> <div> <div> Part C: The contract </div> <div> Part C1: Agreements and contract data </div> <div> C1.1 Form of offer and acceptance C1.2 Contract data </div> </div> <div> <div> Part C2: Pricing data </div> <div> C2.1 Pricing instructions C2.2 Price List </div> </div> <div> <div> Part C3: Scope of work </div> <div> C3.1 Works Information </div> </div> <div> <div> Part C4: Site information </div> <div> C4.1 Site information </div> </div>
F.1.4	The Employer's agent is: Name: Themba Makhubela / Michael Mbhiza Address: Isando Tel No. 011 570 7231 / 0783925425 / 0834607086 Fax No. 011 570 7587 E-mail: Themba.Makhubela@transnet.net Michael.Mbhiza@transnet.net
F1.6	The competitive negotiation procedure may be applied.



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- F.2.1 Only tenderers who have a previous experience in successfully supplying, installing, testing and commissioning SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation to that referred to in the Works Information, and to this end shall supply a sufficiently detailed reference list with contact details of existing customers, are eligible to submit tenders.
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- F.2.7 The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list.
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- F.2.12 No alternative tender offers will be considered
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- F.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format or by writing in black ink).
-
- F.2.13.3 Parts of each tender offer communicated on paper shall be **an original, plus 1 (one) copy**.
-

- F.2.13.5 The Employer's address for delivery of tender offers and identification details to be shown on each tender offer package are:

F.2.15.1 If posted, the envelope must be addressed to:

The Chairperson
Transnet Freight rail Acquisition council
P O Box 4244
JOHANNESBURG
2000

And must be dispatched in time for posting by the Post Office to reach the Post Office Box indicated above, before the closing time of the tender.

If delivered by hand, to be deposited to the Transnet Freight Rail Acquisition Council Tender box which is located in the foyer, and to be addressed as follows:

The Chairperson
Transnet Freight Rail Acquisition council
Ground floor, Inyanda House 1
21 Wellington road
Parktown
Johannesburg
2001

It should be noted that the above tender box is accessible to the public 24 hours per day, 7 days a week.

Identification details:

Tenders must be submitted before the closing hour on the date as shown in [F.2.15](#) below, and must be enclosed in a sealed envelope which must have inscribed in the outside:

- a) Name of Tenderer (Insert Company name).
- b) Contact person and details (Insert details).
- c) The Tender number (Insert)
- d) Description of the work (Insert)
- e) Closing date of tender (Insert)

NO LATE TENDERS WILL BE ACCEPTED



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f.2.13.6	A two-envelope procedure will not be followed.
F.2.13.9	Telephonic, telegraphic, facsimile or e-mailed tender offers will not be accepted.
F.2.15	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.
F.2.16	The tender offer validity period is 12weeks from closing date.
F.2.18	Provide, on request by the <i>Employer</i> , any other material information that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the <i>Employer</i> for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the <i>Employer's</i> request, the <i>Employer</i> may regard the tender offer as non-responsive.

F.2.23 The tenderer is required to submit with his tender:

1. an **original valid** Tax Clearance Certificate issued by the South African Revenue Services;
2. A valid SANAS or IRBA B-BBEE accreditation certificate, and
3. A valid letter of good standing with the Compensation Commission issued by the Department of Labour.
4. A Certificate of Registration issued by the Construction Industry Development board or a copy of the application Form for registration in terms of the Construction Industry Development Board Act (Fom 1006).

Note: Refer to Section T2.1 for List of Returnable Documents

F.3.4 The time and location for opening of the tender offers are:

Time: **10:00** on the closing date of tender.

Location: TFR Acquisition council, Ground Floor, Inyanda House 1, 21 Wellington Road, Parktown, Johannesburg.



F.3.11.3 The procedure for the evaluation of responsive tenders is Method 2.

The financial offer will be scored using Formula 2 (option 1) in Table F.1 where the value of W_1 is:

90 where the financial value inclusive of VAT of one or more responsive tenders received have a value in excess of R1,000,000.00, or

80 where the financial value inclusive of VAT of one or more responsive tenders received have a value less than R1, 000,000.00.

Up to 100 minus W_1 tender evaluation points will be awarded to tenderers who complete the preferencing schedule and who are found to be eligible for the preference claimed.

Should the BBBEE rating not be provided, Transnet reserves the right to award no points and/or declare the tender void. Transnet also reserves the right to carry out an independent audit of the tenderers scorecard components at any stage from the date of close of the tenders until completion of the contract. Tenderers with no accreditation will score zero points for preferencing.

Note

In the event that, in the application of the 80/20 preference point system as stipulated all tenders received are more than the estimated Rand value of R1,000,000, the tender invitation must be cancelled.

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F.3.11.4 The Technical criteria and maximum score in respect of each of the criteria are as follows:

Criteria	Weight	Sub-Weights
Administrative Responsiveness – (Essential)	100%	
Substantive Responsiveness – (Mandatory)		
Compliance to all specification (clause to clause compliance) – 100% (full compliance)	100%	
Category: Technical prequalifying criteria/Functionality Scoring Matrix. (Threshold 60%)	100%	
Previous track record and experience in relation with this project with contactable references.	30%	
Capacity/Resources qualified and registered professionals (Electricians, Technicians and Engineer's) Proof of qualifications in relation with the field (electrical engineering)	40%	
Project delivery plan/schedule 0% - No delivery submission 40% - Weeks (13 and above) 60% - Weeks (9 -12) 80% - Weeks (6 – 10) 100% - Weeks (5 – 8)	10%	
Safety	10%	
Risk	10%	
	100%	
Category: Commercial (Scoring Matrix)	90%	
Competitive Pricing		
Category: B-BBEE (Scoring Matrix)		
B-BBEE Certificate and Scorecard	10%	
TOTAL	100%	



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Quality shall be scored independently by not less than two evaluators in accordance with the following schedules:

- T2.2-22 Safety and Risk assessment plan that is relevant to the Scope of works will be considered as part of the technical evaluation
- T2.2-25 Practical previous experience in relation to this project

The minimum number of evaluation points for quality is : 60

F.3.13.1 Tender offers will only be accepted if:

- a) the tenderer submits **an original valid** Tax Clearance Certificate issued by the South African Revenue Services or has made arrangements to meet outstanding tax obligations;
- b) The Tenderer is registered with the Construction Industry Development Board in an appropriate tender grading designation
- c) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;
- d) the tenderer has not:
 - i) abused the Employer's Supply Chain Management System; or
 - ii) failed to perform on any previous contract and has been given a written notice to this effect;
 - iii) appear on Transnet list for restricted tenderers.
- e) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the Employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract;
- f) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer;
- g) the Employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2003, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely.

F.3.17 The number of paper copies of the signed contract to be provided by the Employer is 1 (one).

Additional tender conditions:

1 Pre-qualifying 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	<p>Completeness of response and mandatory returnable documents.</p> <ul style="list-style-type: none"> Acknowledgement and response to all Addenda and Briefing/Site Minutes) A valid letter of Good Standing issued by the Department of Labour. Verify the validity of all returnable documents, i.e. of active and valid CIDB grading certificates of 3EP or higher, 2EP PE will also be considered in respect of each activity.
Substantive responsiveness	<p>Prequalification criteria, if any, must be met and whether the Bid materially complies with the scope and/or specification given.</p> <ul style="list-style-type: none"> Check tenders for completeness, verify names of entities against correspondence and documents, check that documents have been date stamped, initialled, etc. Acceptable response to any clarification on Essential documentation. Whether the bid contains a completed & signed priced offer Whether all technical qualifications and demonstrated experience of key staff in relation to scope of work have been met. Submit CV with certified copies of qualifications certificates. Whether a risk assessment plan has been submitted and safety method statement relevant to scope of work has been submitted.
Functionality Threshold	<p>As prescribed in terms of the Preferential Procurement Policy Framework Act (PPPFA), Act 5 of 2000 and its Regulations.</p> <p>Tenderers are to note that functionality is included as threshold with a prescribed percentage threshold of 60% i.e.:</p> <ul style="list-style-type: none"> Practical previous experience in the relevant field. Risk assessment plan and Safety Plan relevant to scope of work will be considered as part of the technical evaluation. Delivery period or completion period.
Final weighted evaluation based on 90/10 preference point system	<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.

2 Evaluation and Final Weighted Scoring

a) Price Criteria [Weighted score 90 points]:

Transnet will utilise the following financial formula in its evaluation of Price:

$$PS = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where:

P_s = Score for the Bid under consideration

P_t = Price of Bid under consideration



P_{min} = Price of lowest acceptable Bid

b) Broad-Based Black Economic Empowerment criteria [Weighted score 10 points]

- B-BBEE - current scorecard

SUMMARY: Applicable Final Evaluated Weightings

Evaluation Criteria	Final Weighted Scores
Price	90
B-BBEE - Scorecard	10
TOTAL SCORE:	100

- 3 The Tenderer is deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the *works* and of the prices stated in the Priced Activity Schedule in the *works* Information. The rates and prices (except insofar as otherwise provided in the Tender) collectively cover full payment for the discharge of all his obligations under the Contract and all matters and things necessary for the proper completion of the *works*.
- 4 The tenders shall be completed in **black ink only**.
- 5 Tender submission
- 5.1 Tenderers shall duly fill in the attached Price List. Items not reflected in the Price List, but covered in the particular specification or agreed at site meetings, shall be added to the Price List by the Tenderer and quoted for accordingly.
- 5.2 Tenderers shall submit qualifications of staff that will be performing the works. Only qualified technical personnel shall perform the works on the electrical equipment or installations thereof.
- 5.3 The Tenderer shall provide a provisional Gantt or a similar bar chart showing when the works will be done and energised. This chart shall be submitted with the tender submission on the closing date of the tender. Should a Tenderer be successful in winning a tender, a final bar chart shall be submitted within 14 days after the award of the contract to the Employer by the successful Tenderer.
- 5.4 The Tenderer shall indicate how the work will be executed and commissioned. (Bar chart, approach paper and method statement).
- 5.5 During the duration of the contract period, the successful Tenderer shall be required to inform the Employer / Deputy of any changes to equipment offered and submit detailed information on replacement equipment for approval prior to it being used on this contract.

- 5.6 The Tenderer shall supply a site diary and site instruction books, both books shall be of triplicates carbon copies.

6 Returnable Documents

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

- a) Tenderers are required to submit with their Tenders the **mandatory Returnable Documents**, as detailed below.

Failure to provide all these Returnable Documents at the Closing Date and time of this RFQ will result in a Tenderer's disqualification. Tenderers are therefore urged to ensure that all these Documents are returned with their Tenders.

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

Mandatory Returnable Documents		Submitted [Yes or No]
Part C3 :	Completed & signed Form of Offer and Price List	
Part T2.2:	Returnable schedules: Certificate of attendance of site meeting / RFQ briefing	
Part C3.1:	Contract Data Provided by the Contractor	
Statement of compliance or non-compliance with all clauses of the Scope of Works and all the technical specifications. The clause-by-clause statement of compliance shall take the form of a separate document listing all the clause numbers of all the above specifications indicating the individual statement of compliance or non-compliance. Tenderers shall motivate a statement of non-compliance.		
An active CIDB grading certificate of 3EP or higher, 2EP PE will also be considered.		

- b) In addition to the requirements of section (a) above, Tenderers are further required to submit with their tenders the following **essential Returnable Documents** as detailed below.

Failure to provide all these Returnable Documents may result in a Tenderer's disqualification. Tenderers are therefore urged to ensure that all these documents are returned with their Tenders.

Please confirm submission of these essential Returnable Documents by so indicating [Yes or No] in the table below:

Essential Returnable Documents		Submitted [Yes or No]
Part T1.1: Tendering Procedures: Notice to Tenderers		
<ul style="list-style-type: none"> - Valid and original B-BBEE Verification Certificate or certified copy thereof [Large Enterprises and QSEs] <p>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</p>		



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Essential Returnable Documents	Submitted [Yes or No]
<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 	
<ul style="list-style-type: none"> - Proof of new tax compliance status: Tax Clearance Certificate and Tax Reference Number [Consortia / Joint Ventures must submit a separate Tax Clearance Certificate for each party] 	
Part T2.1: Returnable documents / Schedules	
Safety plan and fall protection plan in accordance with the construction Regulations of 2003 and Transnet E4E	
Quality assurance / control plan	
Environmental Management plan	
Proposed organisation and staffing	
Bar chart with method (see also form T2.2.37) statement and approach paper	
Vendor application form:	
Certified copies of IDs of shareholders/directors/members [as applicable]	
Certified copies of the relevant company registration documents from Companies and Intellectual Property Commission (CIPC)	
Certified copies of the company's shareholding/director's portfolio	
<ul style="list-style-type: none"> - Original cancelled cheque or bank verification of banking details 	
<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] 	
<ul style="list-style-type: none"> - A signed letter from Tenderer's auditor or accountant confirming most recent annual turnover figures 	
Part T2.2: Returnable schedules:	
Changes to tender documents	
Risk elements	
Availability of equipment and other resources	
Management and CV's of key persons	
Schedule of proposed sub-contractors	
Insurance provided by the Contractor	



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Essential Returnable Documents	Submitted [Yes or No]
Site establishment requirements	
Breakdown of P's and G's items	
Contractor's works information	
Authority to submit tender	
Record of addenda to tender documents	
Compulsory enterprise questionnaire	
Quality Plan	
Environmental management plan	
Health and safety plan	
Capacity and ability to meet delivery schedule	
Previous experience	
Broad based black economic empowerment (BBBEE)	
Supplier Code of Conduct	
Unilateral non-disclosure agreement	
Storage capacity	
RFP declaration form	
Method statement	
Evaluation schedule. Approach paper	
RFP – breach of law	
Transnet safety clauses	
Supplier declaration form	
A valid letter of Good standing with the Compensation Commissioner issued by Department of Labour	
A risk assessment plan to be submitted as well as a safety method statement relevant to scope of work.	
Proof of National Treasury's Central Supplier Database Registration (Supplier Number and Unique Registration Reference Number)	

Annex F (normative)

Standard Conditions of Tender

As published in Annexure F of the cidb Standard for Uniformity for construction Procurement, Board Notice 136 Government Gazette No 38960 of 10 July 2015

F.1 General

F.1.1 Actions

F.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

F.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

F.1.1.3 The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

F.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

F.1.3 Interpretation

F.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

F.1.3.2 These conditions of tender, the tender data and tender schedules which are only required for tender evaluation purposes, shall not form part of any contract arising from the invitation to tender.

F.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

- a) **conflict of interest** means any situation in which:
 - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfill his or her duties impartially;
 - ii) an individual or organisation is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the organisation which employs that employee.
- b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;
- e) **organization** means a company, firm, enterprise, association or other legal entity, whether incorporated or not, or a public body;
- f) **functionality** means the measurement according to the predetermined norms of a service or commodity designed to be practical and useful, working or operating, taking into account quality, reliability, viability and durability of a service and technical capacity and ability of a tenderer.

F.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications sent by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

F.1.5 Cancellation and Re-Invitation of Tenders

F1.5.1 An organ of state may, prior to the award of the tender, cancel a tender if-

- (a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or
- (b) funds are no longer available to cover the total envisaged expenditure; or
- (c) no acceptable tenders are received.

F1.5.2 The decision to cancel a tender must be published in the cidb website and in the government Tender Bulletin for the media in which the original tender invitation was advertised.

F.1.6 Procurement procedures

F.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to F.3.13, be concluded with the tenderer who in terms of F.3.11 is the highest ranked or the tenderer scoring the highest

number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

F.1.6.2 Competitive negotiation procedure

F.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

F.1.6.2.2 All responsive tenderers, or not less than three responsive tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter into competitive negotiations, based on the principle of equal treatment and keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of F.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

F.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to make a fresh tender offer, based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

F.1.6.2.4 The contract shall be awarded in accordance with the provisions of F.3.11 and F.3.13 after tenderers have been requested to submit their best and final offer.

F.1.6.3 Proposal procedure using the two stage-system

F.1.6.3.1 Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

F.1.6.3.2 Option 2

F.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

F.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.

F.2 Tenderer's obligations

F.2.1 Eligibility

F.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

F.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

F.2.2 Cost of tendering

F.2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

F.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any cost pertaining to the printing of the tender documents.

F.2.3 Check documents

Check the tender documents or receipt for completeness and notify the employer of any discrepancy or omission.

F.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

F.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

F.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

F.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

F.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five working days before the closing time stated in the tender data.

F.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

F.2.10 Pricing the tender offer

F.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the tender data.

F.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

F.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

F.2.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

F.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

F.2.12 Alternative tender offers

F.2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

F.2.12.2 Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

F.2.12.3 An alternative tender offer may only be considered in the event that the main tender offer is the winning tender.

F.2.13 Submitting a tender offer

F.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

F.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

F.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

F.2.13.4 Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

F.2.13.5 Seal the original and each copy of the tender offer as separate packages, marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

F.2.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

F.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

F.2.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

F.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

F.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

F.2.15 Closing time

F.2.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

F.2.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

F.2.16 Tender offer validity

F.2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

F.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

F.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.

F.2.16.4 Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with the packages clearly marked as "SUBSTITUTE".

F.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: Sub-clause F.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.

F.2.18 Provide other material

F.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer's request, the employer may regard the tender offer as non-responsive.

F.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

F.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

F.2.20 Submit securities, bonds and policies

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

F.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

F.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the tender data.

F.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

F.3 The employer's undertakings

F.3.1 Respond to requests from the tenderers

F.3.1.1 Unless otherwise stated in the Tender Data, respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all tenderers who drew procurement documents.

F.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

F.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who drew documents.

F.3.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

F.3.4 Opening of tender submissions

F.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

F.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its BBBEE status level and time for completion for the main tender offer only.

F.3.4.3 Make available the record outlined in F.3.4.2 to all interested persons upon request.

F.3.5 Two-envelope system

F.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

F.3.5.2 Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

F.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

F.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

F.3.8 Test for responsiveness

F.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

F.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

F.3.9 Arithmetic errors, omissions and discrepancies

F.3.9.1 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.1 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omission made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
 - i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - ii) the summation of the prices.

F.3.9.2 The employer must correct the arithmetical errors in the following manner:

- a) Where there is a discrepancy between the amounts in words and amounts in figures, the amount in words shall govern.
- b) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
- c) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

Consider the rejection of a tender offer if the tenderer does not correct or accept the correction of the arithmetical error in the manner described above.

F.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

F.3.11 Evaluation of tender offers

F.3.11.1 General

Appoint an evaluation panel of not less than three persons. Reduce each responsive tender offer to a comparative offer and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

F.3.11.2 Method 1: Price and Preference

In the case of a price and preference:

- 1) Score tender evaluation points for price
- 2) Score points for BBBEE contribution
- 3) Add the points scored for price and BBBEE.

F.3.11.3 Method 2: Functionality, Price and Preference

In the case of a functionality, price and preference:

- 1) Score functionality, rejecting all tender offers that fail to achieve the minimum number of points for functionality as stated in the Tender Data.
- 2) No tender must be regarded as an acceptable tender if it fails to achieve the minimum qualifying score for functionality as indicated in the tender invitation.
- 3) Tenders that have achieved the minimum qualification score for functionality must be evaluated further in terms of the preference points system prescribed in paragraphs 4 and 4 and 5 below.

The 80/20 preference point system for acquisition of services, works or goods up to Rand value of R1 million

- 4) (a)(i) The following formula must be used to calculate the points for price in respect of tenders(including price quotation) with a rand value equal to, or above R 30 000 and up to Rand value of R 1 000 000 (all applicable taxes included):

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of tender or offer under consideration;

P_t = Comparative price of tender or offer under consideration; and

P_{min} = Comparative price of lowest acceptable tender or offer.

- (4)(a)(ii) An employer of state may apply the formula in paragraph (i) for price quotations with a value less than R30 000, if and when appropriate:

- (4)(b) Subject to subparagraph(4)(c), points must be awarded to a tender for attaining the B-BBEE status level of contributor in accordance with the table below:

B-BBEE status level of contributor	Number of points
1	20
2	18
3	16
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

- (4)(c) A maximum of 20 points may be allocated in accordance with subparagraph (4)(b)
- (4)(d) The points scored by tender in respect of B-BBEE contribution contemplated in subparagraph (4) (b) must be added to the points scored for price as calculated in accordance with subparagraph (4)(a).
- (4)(e) Subject to paragraph 4.3.8 the contract must be awarded to the tender who scores the highest total number of points.

The 90/ 10 preference points system for acquisition of services, works or goods with a Rand value above R 1 million

- (5)(a) The following formula must be used to calculate the points for price in respect of tenders with a Rand value above R1 000 000 (all applicable taxes included):

$$P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of tender or offer under consideration;

P_t = Comparative price of tender or offer under consideration; and

P_{\min} = Comparative price of lowest acceptable tender or offer.

- (5)(b) Subject to subparagraph(5)(c), points must be awarded to a tender for attaining the B-BBEE status level of contributor in accordance with the table below:

B-BBEE status level of contributor	Number of points
1	10
2	9

B-BBEE status level of contributor	Number of points
3	8
4	5
5	4
6	3
7	2
8	1
Non-compliant contributor	0

(5)(c) A maximum of 10 points may be allocated in accordance with subparagraph (5)(b).

(5)(d) The points scored by tender in respect of B-BBEE contribution contemplated in subparagraph (5) (b) must be added to the points scored for price as calculated in accordance with subparagraph (5)(a).

(5)(e) Subject to paragraph 4.3.8 the contract must be awarded to the tender who scores the highest total number of points.

F.3.11.6 Decimal places

Score price, preference and functionality, as relevant, to two decimal places.

F.3.11.7 Scoring Price

Score price of remaining responsive tender offers using the following formula:

$$N_{FO} = W_1 \times A$$

where: N_{FO} is the number of tender evaluation points awarded for price.

W_1 is the maximum possible number of tender evaluation points awarded for price as stated in the Tender Data.

A is a number calculated using the formula and option described in Table F.1 as stated in the Tender Data.

Table F.1: Formulae for calculating the value of A

Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a
1	Highest price or discount	$A = (1 + \frac{P - P_m}{P_m})$	$A = P / P_m$
2	Lowest price or percentage commission / fee	$A = (1 - \frac{P - P_m}{P_m})$	$A = P_m / P$
^a P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.			

F.3.11.8 Scoring preferences

Confirm that tenderers are eligible for the preferences claimed in accordance with the provisions of the tender data and reject all claims for preferences where tenderers are not eligible for such preferences.

Calculate the total number of tender evaluation points for preferences claimed in accordance with the provisions of the tender data.

F.3.11.9 Scoring functionality

Score each of the criteria and subcriteria for quality in accordance with the provisions of the Tender Data.

Calculate the total number of tender evaluation points for quality using the following formula:

$$N_Q = W_2 \times S_O / M_S$$

where: S_O is the score for quality allocated to the submission under consideration;
 M_S is the maximum possible score for quality in respect of a submission; and
 W_2 is the maximum possible number of tender evaluation points awarded for the quality as stated in the tender data.

F.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

F.3.13 Acceptance of tender offer

Accept the tender offer, if in the opinion of the employer, it does not present any risk and only if the tenderer:

- is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
- can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
- has the legal capacity to enter into the contract,

- d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
- e) complies with the legal requirements, if any, stated in the tender data, and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

F.3.14 Prepare contract documents

F.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents, and
- c) other revisions agreed between the employer and the successful tenderer.

F.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

F.3.15 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

F.3.16 Notice to unsuccessful tenderers

F.3.16.1 Notify the successful tenderer of the employer's acceptance of his tender offer by completing and returning one copy of the form of offer and acceptance before the expiry of the validity period stated in the tender data, or agreed additional period.

F.3.16.2 After the successful tenderer has been notified of the employer's acceptance of the tender, notify other tenderers that their tender offers have not been accepted.

F.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

F.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender, but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

F.3.19 Transparency in the procurement process

F3.19.1 The cidb prescripts require that tenders must be advertised and be registered on the cidb i.Tender system.

F3.19.2 The employer must adopt a transparency model that incorporates the disclosure and accountability as transparency requirements in the procurement process.

F3.19.3 The transparency model must identify the criteria for selection of projects, project information template and the threshold value of the projects to be disclosed in the public domain at various intervals of delivery of infrastructure projects.

F3.19.4 The client must publish the information on a quarterly basis which contains the following information:

- Procurement planning process
- Procurement method and evaluation process
- Contract type
- Contract status
- Number of firms tendering
- Cost estimate
- Contract title
- Contract firm(s)
- Contract price
- Contract scope of work
- Contract start date and duration
- Contract evaluation reports

F3.19.5 The employer must establish a Consultative Forum which will conduct a random audit in the implementation of the transparency requirements in the procurement process.

F3.19.6 Consultative Forum must be an independent structure from the bid committees.

F3.19.7 The information must be published on the employer's website.

F 3.19.8 Records of such disclosed information must be retained for audit purposes.

Part T2: Returnable Documents

preview copy



Transnet Freight Rail

A Division of Transnet SOC Ltd

Enquiry Number: SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

PART T2: RETURNABLE DOCUMENTS

T2.1: LIST OF RETURNABLE DOCUMENTS

The tenderer must complete the following returnable documents:

1.0 Returnable documents required for tender evaluation purposes

No	Returnable Documents
1	Letter of Good Standing with the Compensation Commissioner
2	Safety Plan and Fall Protection Plan in accordance with the Construction Regulations of 2003 and Transnet's E4E
3	Quality Assurance/control Plan
4	Environmental Management Plan
5	Proposed Organization and Staffing
6	Certified Copy of Share Certificates CK1 & CK2
7	Certified Copy of Certificate of Incorporation and CM29 and CM9
8	Certified Copy of Identity Documents of Shareholders / Directors / Members (where applicable)
9	Original or certified cancelled cheque OR original or certified letter from the bank verifying banking details (with bank stamp and signature)
10	Proof of new tax compliance status: Tax Clearance Certificate, Tax Reference Number or PIN
11	Certified VAT registration certificate
12	A signed letter from the Accountant/Auditor confirming most recent annual turnover and percentage black ownership in the company AND/OR certified BBBEE certificate and scorecard from an accredited rating agency
13	Programme (Gant chart) and Method statement relevant to scope of work
14	An active CIDB grading certificate of 3EP or higher, 2EP PE will also be considered
15	Statement of compliance or non-compliance with all clauses of the Scope of Works and all the technical specifications. The clause-by-clause statement of compliance shall take the form of a separate document listing all the clause numbers of all the above specifications indicating the individual statement of compliance or non-compliance. Tenderers shall motivate a statement of non-compliance.
16	Risk assessment plan relevant to the scope of work.
17	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
18	Valid and original B-BBEE certificate/sworn affidavit or certified copy thereof from auditor, accounting

Transnet Freight Rail

A Division of Transnet SOC Ltd

Enquiry Number: SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

	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
19	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
20	Entity's letterhead
21	Proof of National Treasury's Central Supplier Database registration (Supplier Number and Unique Registration Reference Number)

preview copy

T2.1 List of Returnable Schedules

1. Returnable Schedules

T2.2-1	Changes to tender documents
T2.2-3	Risk Elements
T2.2-4	Availability of equipment and other resources
T2.2-7	Management and CV's of key persons
T2.2-8	Schedule of proposed Subcontractors/consultants
T2.2-9	Insurance provided by the Contractor
T2.2-10	Site Establishment requirements
T2.2-12	Breakdown of P&G items
T2.2-13	Contractor's Works Information
T2.2-14	Authority to submit tender
T2.2-15	Certificate of attendance at tender clarification meeting
T2.2-16	Record of addenda to tender documents
T2.2-17	Compulsory Enterprise Questionnaire
T2.2-20	Quality Plan
T2.2-21	Environmental Management Plan
T2.2-22	Health and Safety Plan
T2.2-24	Capacity and ability to meet delivery schedule
T2.2-25	Previous experience
T2.2-27	Broad-Based Black Economic Empowerment (BBBEE)
T2.2-31	Supplier Code of Conduct
T2.2-32	Unilateral Non-Disclosure Agreement
T2.2-35	Storage Capacity
T2.2-36	RFQ Declaration Form
T2.2-41	Evaluation Schedule: Approach Paper
T2.2-43	RFQ – Breach of Law
T2.2-49	Transnet Safety Clauses

This schedule is required for payment purposes only:

T2.2-34	Supplier Declaration Form
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2. C1.1 Offer portion of Form of Offer & Acceptance
3. C1.2 Contract Data: Data by *Contractor*
4. C2.2 Price List / Activity Schedule

Part T2.2: Returnable Schedules

preview copy

T2.2-1: Changes to Tender Document

Changes to the tender documents are only allowed if a main tender complying fully with the tender documents has also been provided.

Do not return this schedule if no alternative tender is submitted.

The Conditions of Tender state that the tenderer may:

F.2.12.1 Submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted. The alternative tender offer is to be submitted with the main tender offer together with a schedule that compares the requirements of the tender documents with the alternative requirements the tenderer proposes.

F.2.12.2 Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

Having examined the criteria stated in the Tender Data for this tender the proposed changes to the tender documents are:

Document No.	Subject of the proposed change	Propose to change to:

Signed

Date

Name

Position

Tenderer

T2.2-3: Risk Elements

Tenderers to review the potential risk element associated with the Project (Refer to Clause 63.6). The risk elements are to be priced separately in this Schedule. If No Risks are identified "No Risks" must be stated on this schedule.

review copy

Signed	Date
Name	Position
Tenderer	

T2.2-4: Availability of Equipment and Other Resources

Tenderers to submit a list of all Equipment and other resources that he proposes to use to execute the work as described in the Works Information, as well as the availability and details of ownership for each item.

[illegible]

Signed _____ Date _____

Name	Position
John Smith	CEO
Jane Doe	CTO
Bob Johnson	COO
Alice Brown	CMO
Charlie Davis	COO
Eve Wilson	CMO
Frank Miller	COO
Grace Lee	CMO
Henry Kim	COO
Ivy White	CMO
Jack Black	COO
Karen Green	CMO
Leo Blue	COO
Mia Red	CMO
Noah Yellow	COO
Olivia Purple	CMO
Peter Grey	COO
Quinn Brown	CMO
Rachel Gold	COO
Sam Silver	CMO
Tina Bronze	COO
Uma Platinum	CMO
Victor Diamond	COO
Wendy Ruby	CMO
Xavier Sapphire	COO
Yara Emerald	CMO
Zoe Amethyst	COO

Tenderer

T2.2-7: Management & CV's of Key Persons – ECSC¹

Please describe the management arrangements for the *works*.

Submit the following documents as a minimum with your tender document:

1. An organisation chart showing on-site and off-site management (including the key people and also identify the required legal appointments.)
2. CV's for people proposed for all identified posts including Safety Officer and Quality Assurance Representative.
3. Details of the location (and functions) of offices from which the *works* will be managed.
4. Details of the experience of the staff who will be working on the *works* with respect to:
 - Working with the NEC3 Engineering and Construction Short Contract Option chosen for this contract. If staff experience of these matters is limited, an indication of relevant training that they have attended would be helpful.
5. An explanation of how you propose to allocate adequate resources to enable you to comply with the requirements and prohibitions imposed on you by or under the statutory provisions relating to health and safety.

Attached submissions to this schedule:

previews copy

Signed

Date

Name

Position

Tenderer

¹NEC3 Engineering & Construction Short Contract (June 2005).

T2.2-8: Schedule of Proposed Subcontractors

We notify you that it is our intention to employ the following subcontractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed Subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	Name and address of proposed Subcontractor	Nature and extent of work	Previous experience with Subcontractor.
1.			
2.			
3.			
4.			

Signed

Date

Name

Position

Tenderer

T2.2-9: Insurance provided by the *Contractor*

Clause 82.1 in NEC3 Engineering & Construction Short Contract (June 2005) requires that the *Contractor* provides the insurance stated in the insurance table except any insurance which the *Employer* is to provide as stated in the Contract Data.

Please provide the following details for insurance which the *Contractor* is still to provide. Notwithstanding this information all costs related to insurance are deemed included in the tenderer's rates and prices.

Insurance against (See clause 82.1 of the ECSC)	Name of Insurance Company	Cover	Premium
Loss of or damage to the <i>works</i> .			
Loss of or damage to Equipment, Plant and Materials.			
The <i>Contractor's</i> liability for loss of or damage to property (except the <i>works</i> , Plant and Materials and Equipment) and for bodily injury to or death of a person (not an employee of the <i>Contractor</i>) arising from or in connection with this <i>Contractor's</i> Providing the Works.			
Liability for death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract			
(Other)			

Signed

Date

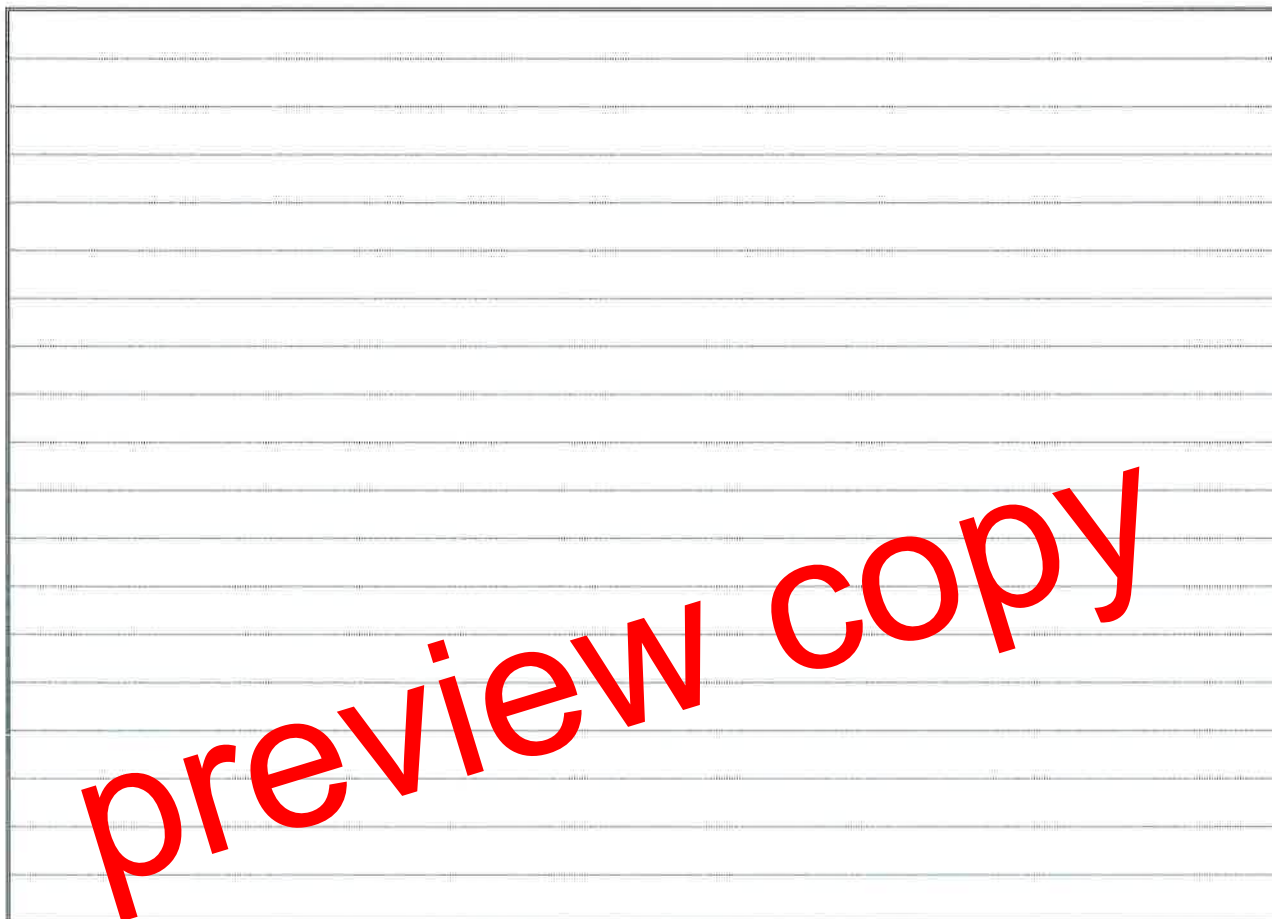
Name

Position

Tenderer

T2.2-10: Site Establishment / Laydown Area

Tenderers to indicate their Site establishment and/or laydown area requirements:



Signed

Date

Name

Position

Tenderer

T2.2-12: Breakdown of Preliminary and General Items

Tenderers are to submit a detailed breakdown of the fixed and time related Sums in the Preliminary + General Schedule for evaluation purposes.

SANS 1200 A reads "The sum tendered for each fixed-charge and value-related item will be paid in a single payment in terms of the first progress certificate issued after the Contractor's obligations in respect of that item have, in the opinion of the Engineer, been discharged".

The breakdown of the fixed P+G will also be used to help the *Employer* to assess the portion of the fixed amount due in the payment.

review copy

Signed

Date _____

Name

Position

Tenderer

T2.2-13: Contractor's Works Information – ECSC²

Note to tenderers: Tenderers are required to provide information to make up the *Contractor's* works information in accordance with the following:

1. The Contractor shall disconnect, dismantle and remove primary circuit breakers from sites and transport them to Sentrara Infrastructure depot.
2. Cast concrete foundations for the support steel structure for the new SF6 gas filled primary circuit breakers where the existing one cannot be used.
3. Provide and install support steel structure for the new SF6 gas filled primary circuit breakers where the existing one cannot be used.
4. Supply, deliver, install and connect the new high voltage SF6 gas filled primary circuit breakers with its associated operating box.
5. The front of the circuit breaker operating mechanism box shall face the main transformer
6. Electrically connect the new installed equipment to the existing earth system.
7. Test, commission and hand over the equipment

Signature _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-14: Authority to submit a Tender

Indicate the status of the tenderer by ticking the appropriate box hereunder. The tenderer must complete the certificate set out below for his category of organisation or alternatively attach a certified copy of a company / organisation document which provides the same information for the relevant category as requested here.

A – COMPANY	B - PARTNERSHIP	C - JOINT VENTURE	D - SOLE PROPRIETOR

A. Certificate for Company

I, _____, chairperson of the board of directors of _____, hereby confirm that by resolution of the board taken on _____ (date), Mr/Ms _____, acting in the capacity of _____, was authorised to sign all documents in connection with this tender offer and any contract resulting from it on behalf of the company.

Signed

Date

Name

Position

Chairman of the Board of Directors

T2.2-15: Certificate of Attendance at Tender Clarification Meeting

This is to certify that

(Tenderer)

of

(address)

was represented by the person(s) named below at the compulsory tender clarification meeting

Held at:		
On (date)		Starting time:

As the tenderer we undertake that by said persons attending the clarification meeting we have made it our business to familiarise ourselves with all aspects of the works / service / supply specified in the tender documents in order for us to take account of everything necessary to provide a responsive tender offer and to compile our rates and prices included in the tender offer.

We further understand that in addition to any queries raised on behalf of us at the meeting we may still approach the *Employer / Purchaser's* Representative to request clarification of the tender documents until no later than five working days before the tender closing time stated in the Tender Data.

Particulars of person(s) attending the meeting:

Name

Signature

Capacity

Name

Signature

Capacity

Attendance of the above persons at the meeting was confirmed by the procuring organisation's representative as follows:

Name

Signature

Capacity

Date & time

T2.2-16: Record of Addenda to Tender Documents

We confirm that the following communications received from the *Employer* before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Attach additional pages if more space is required.

preview copy

Signed _____ Date _____
Name _____ Position _____
Tenderer _____

T2.2-17: Compulsory Enterprise Questionnaire

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: Particulars of sole proprietors and partners in partnerships

Name	Identity number	Personal income tax number

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 6: Record in the service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- | | |
|--|---|
| <input type="checkbox"/> a member of any municipal council | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | |
| <input type="checkbox"/> an official of any municipality or municipal entity | |

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

- | | |
|--|---|
| <input type="checkbox"/> a member of any municipal council | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | |
| <input type="checkbox"/> an official of any municipality or municipal entity | |

Transnet Freight Rail
A Division of Transnet SOC Ltd
RFQ No. SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

preview copy

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed _____ Date _____
Name _____ Position _____
Enterprise Name _____

T2.2-20: Quality Plan

Due consideration must be given to the deliverables required to execute and complete the contract as per the Quality Management Standard stated in the Works Information and should include but not be limited to:

1. Project Quality Plan for the contract.
2. The Contractor's Quality Policy.
3. Index of procedures to be used during the contract.
4. Audit Schedule for internal and external audits during the contract.
5. ISO 9001 certification.
6. Typical Quality Manual.
7. Typical Quality Control Plan.
8. Typical data book index.

Attached submissions to this schedule:

Signed

Date _____

Name

Position

Tenderer

T2.2-21: Evaluation Schedule: Environmental Management Plan

1. The tenderer must provide their environmental management policy and standard environmental management plan describing relevant roles and responsibilities, and how potential environmental impacts will be identified and managed including the monitoring and recording thereof.

The following documents are key -

- 1) Transnet SOC Limited – SHEQ Policy,
2. By signing this Tender Schedule, the tenderer confirms that they will comply with the above policy statements and environmental specifications.
3. The tenderer must demonstrate the required level of expertise and experience to overall construction environmental management process.
4. Organisational charts and key safety, health and environmental (SHE) staff CVs showing staff competencies, together with qualifications.
5. The tenderer must explain own internal environmental management system (EMS) approach and attach EMS manual, including its own environmental management policy, as part of the overall quality management system.
6. Tender to provide a signed declaration of understanding as part of the returnable acknowledging understanding thereof and the budget provision for the implementation of environmental management requirements.

By signing this Tender Schedule, the tenderer confirms that they will **comply** with the above requirements and in particular Transnet **policy statements and environmental specifications**.

The scoring of the Tenderer's Environmental Management Plan will be as follows:

Poor (score 40)	Environmental Management Plan unlikely to ensure compliance with stated <i>Employer's Works Information</i>
Satisfactory (score 70)	Environmental Management Plan possibly able to ensure compliance with stated <i>Employer's Works Information</i>
Good (score 90)	Environmental Management Plan likely to ensure compliance with stated <i>Employer's Works Information</i>
Very good (score 100)	Environmental Management Plan most likely to ensure compliance with stated <i>Employer's Works Information</i>

Attached submissions to this schedule:

preview copy

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-22: Health and Safety Plan

Submit the following documents as a minimum with your tender:

1. Valid letter of good standing with insurance body.
2. Roles and responsibilities of legal appointees.
3. Safety Officer role and responsibility.
4. Safety, Health & Environmental Policies.
5. Overview of Tenderer's SHE system for project.
6. Overview of RA process and examples.
7. List of job categories for project and competencies required per category and plan to address and meet outstanding competencies.
8. Six months synopsis of SHE incidents, description, type and action taken.
9. Overview of selection process of subcontractors.
10. SHE challenges envisaged for the project and how they will be addressed and overcome.
11. Signed statement acknowledging receiving and budget provision for SHE pack requirements.
12. Complete and return with tender documentation the Contractor Safety Questionnaire (See form 2.2-49).
13. Construction Safety File (Index)
14. Construction Safety Work Method Statement

T2.2-24: Capacity and Ability to meet Delivery Schedule

Note to tenderers:

The Tenderer is required to demonstrate to the *Employer* that he has sufficient current and future capacity to carry out the work as detailed in the Works Information and that he has the capacity and plans in place to meet the required delivery schedule as required. To this end, the following must be provided by the Tenderer:

A schedule detailing the following:

- Maximum quantity of work concurrently performed by the Tenderer in the recent past in order to illustrate his potential capacity to design, fabricate and/or construct work of a similar nature
- Current and future work on his order book, showing quantity and type of equipment
- Quantity of work for which the Tenderer has tenders in the market or is currently tendering on
- The work as covered in this Works Information, planned and scheduled as per the Tenderer's capacities and methods but meeting the required delivery schedule.

Index of documentation attached to this schedule:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Signed

.....

Date

.....

Name

.....

Position

.....

Tenderer

.....

T2.2-25: Previous Experience

Note to tenderers:

Tenderers are required to demonstrate their experience in the delivery of similar works, and to this end shall supply a sufficiently detailed reference list with contact details of existing customers and also indicate their previous experience of, their design, installation and commissioning capability.

Index of documentation attached to this schedule:

Signed

Date _____

Name

Position

Tenderer

T2.2-27: Broad-Based Black Economic Empowerment (B-BBEE)

B-BBEE and preferencing scheme:

Transnet fully endorses and supports the Government's Broad-Based Black Economic Empowerment Programme and it is strongly of the opinion that all South African business enterprises have an equal obligation to redress the imbalances of the past.

Transnet would therefore prefer to do business with local business enterprises who share these same values and who are prepared to contribute to meaningful B-BBEE initiatives (including, but not limited to subcontracting and Joint Ventures) as part of their tender responses. Transnet will accordingly allow a "preference" in accordance with the 10% preference system, as per the Preferential Procurement Policy Framework Act 5 of 2000 (as amended), to companies who provide a B-BBEE Accreditation Certificate. All procurement and disposal transactions will be evaluated accordingly.

Consequently, when Transnet invites prospective suppliers to submit tenders for its various capital expenditure programmes, it urges tenderers (Large Enterprises and QSE's - see below) to have themselves accredited by any one of the various Accreditation Agencies approved by SANAS (the South African National Accreditation Systems, under the auspices of the Department of Trade and Industry) and IRBA (Independent Regulatory Board for Auditors).

In terms of Government Gazette No. 34612, Notice No. 754 dated 23 September 2011, as from 1 October 2011, only B-BBEE Accreditation Certificates issued by SANAS approved Verification Agencies or Registered Auditors approved by IRBA will be valid.

All certificates are to display the BBBEE Verification Agency Body Name and BVA Body number or a Registered Auditor's Body Name and IRBA number.

Enterprises will be rated by such agencies based on the following:

Scorecard Types	Exempted Micro Enterprise	Qualifying Small Enterprise	Generic Construction
Discipline	Parameters are based on annual turnover of the Measured Entity		
Contractor	Annual turnover < R 5 million	Annual turnover > R 5 million and equal to or , < R 35 million	Annual turnover > R 35 million
Built Environment Professionals (BEP)	Annual turnover < R 1,5 million	Annual turnover > R 1,5 million and equal to or , < R 11,5 million	Annual turnover > R 11,5 million

a) Large Enterprises

- Rating level based on all seven elements of the B-BBEE scorecard

b) Qualifying Small Enterprises – QSE

- Rating level based on any four of the elements of the B-BBEE scorecard

c) Exempted Micro Enterprises –

- EMEs are exempted from B-BBEE accreditation as indicated in the DTI Codes, Statement 000 (Page 9)
- Automatic rating of Level 4 B-BBEE irrespective of race of ownership, i.e. 100% B-BBEE recognition
- Black ownership >50% or Black Women ownership >30% automatically qualify as Level 3 B-BBEE, i.e. 110% B-BBEE recognition
- EME's should only provide documentary proof of annual turnover plus proof of Black ownership if Black ownership >50% or Black Women ownership >30%

In addition to the above:

- A trust, consortium or joint venture will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 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 tender.
- Tenderers anticipating tendering as a trust, consortium or joint venture must allow sufficient time for obtaining such status level certificate or consolidated B-BBEE scorecard.

Respondents must furnish B-BBEE certificates for all proposed subcontractors / sub-consultants. A bidder will not be awarded the points claimed for B-BBEE status level of contribution if it is indicated in the bid documents that such a bidder intends subcontracting / sub-consulting more than 25% of the contract value to any other enterprise that does not qualify for at least the same number of points that the bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract. A contractor is not allowed to sub-contract more than 25% of the contract value to another enterprise that does not have an equal or higher B-BBEE status level, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.

Respondents will be required to furnish proof to Transnet (i.e. a detailed scorecard as stipulated above in respect of Large Enterprises and QSEs, or proof of turnover in respect of EMEs). Failure to do so will result in a score of zero being allocated for B-BBEE.

When confirming the validity of a certificate in respect of an EME, the following should be detailed on the face of the certificate:

1. The Accounting Officer's or Registered Auditor's letter head with full contact details;
2. The Accounting Officer's or Registered Auditor's practice numbers;
3. The name and the physical location of the measured entity;
4. The registration number and, where applicable, the VAT number of the measured entity;
5. The date of issue and date of expiry;
6. The B-BBEE Status Level of Contribution obtained by the measured entity; and
7. The total black shareholding and total black female shareholding.

Turnover:

Kindly indicate your company's annual turnover for the past year

ZAR.....

- For Contractors:

- With an annual turnover >R5m, please attach an status level verification certificate issued by a SANAS Accredited Verification Agency together with all the relevant score sheets pertaining thereto;
- With an annual turnover <R5m, please attach a verification certificate issued by a Registered Auditor, Accounting Officer or a SANAS Accredited Verification Agency which meets the definition for EME certificates mentioned above.

- For BEPs:

- If annual turnover >R1.5m, please attach an accreditation certificate issued by an Accreditation Agency, together with all the relevant score sheets pertaining thereto;
- If annual turnover < R 1,5 million, please attach an accreditation certificate issued by an Accreditation Agency or Registered Auditor; or an Auditor's certificate or similar certificate issued by an Accounting Officer or Verification Agency which meets the definition for EME certificates mentioned above.

In addition to the status level verification certificate, Transnet also requires that tenderers register their B-BBEE compliance and supporting documentation on the Department of Trade and Industry's ("DTI") National B-BBEE IT Portal and Opportunities Network and **provide Transnet with proof of registration in the form of an official B-BBEE Profile issued by the DTI.**

Transnet will use the DTI B-BBEE IT Portal as a single data source for its B-BBEE supplier selection criteria and procurement improvement programme by tracking compliance, understanding spend and by sourcing future procurement opportunities.

Instructions for registration and obtaining a DTI B-BBEE Profile:

1. Go to <http://bee.thedti.gov.za>;
2. Click on B-BBEE Registry;
3. Click on *Register or Login*;
4. Click on *Click Here to Register*;
5. Complete the registration page;
6. Once registered, click on *List on Registry*;
7. Follow all 'on-screen' and e-mailed instructions to submit your documentation and obtain your Profile.

Signature _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-31: Supplier Code of Conduct

Transnet SOC Limited aims to achieve the best value for money when buying or selling goods and obtaining services. This however must be done in an open and fair manner that supports and drives a competitive economy. Underpinning our process are several acts and policies that any supplier dealing with Transnet must understand and support. These are:

- The Transnet Procurement Policy – A guide for Tenderers.
- Section 217 of the Constitution - the five pillars of Public PSCM (Procurement and Supply Chain Management): fair, equitable, transparent, competitive and cost effective;
- The Public Finance Management Act (PFMA);
- The Broad Based Black Economic Empowerment Act (B-BBEE)
- The Prevention and Combating of Corrupt Activities Act (PRECCA); and
- The Construction Industry Development Board Act (CIDB Act).

This code of conduct has been included in this contract to formally elaborate Transnet Suppliers of Transnet's expectations regarding behaviour and conduct of its Suppliers.

Prohibition of Bribes, Kickbacks, Unlawful Payments, and Other Corrupt Practices

Transnet is in the process of transforming itself into a self-sustaining State Owned Enterprise, actively competing in the logistics industry. Our aim is to become a world class, profitable, logistics organisation. As such, our transformation is focused on adopting a performance culture and to adopt behaviours that will enable this transformation.

1. Transnet SOC Limited will not participate in corrupt practices. Therefore, it expects its suppliers to act in a similar manner.

- Transnet and its employees will follow the laws of this country and keep accurate business records that reflect actual transactions with, and payments to, our suppliers.
- Employees must not accept or request money or anything of value, directly or indirectly, from suppliers.
- Employees may not receive anything that is calculated to:
 - Illegally influence their judgement or conduct or to ensure the desired outcome of a sourcing activity;
 - Win or retain business or to influence any act or decision of any person involved in sourcing decisions; or
 - Gain an improper advantage.

- There may be times when a supplier is confronted with fraudulent or corrupt behaviour of Transnet employees. We expect our Suppliers to use our "Tip-offs Anonymous" Hot line to report these acts. (0800 003 056).

2. Transnet SOC Limited is firmly committed to the ideas of free and competitive enterprise.

- Suppliers are expected to comply with all applicable laws and regulations regarding fair competition and antitrust practices.
- Transnet does not engage with non-value adding agents or representatives solely for the purpose of increasing B-BBEE spend (fronting).

3. Transnet's relationship with suppliers requires us to clearly define requirements, to exchange information and share mutual benefits.

- Generally, suppliers have their own business standards and regulations. Although Transnet cannot control the actions of our suppliers, we will not tolerate any illegal activities. These include, but are not limited to:
 - Misrepresentation of their product (origin of manufacture, specifications, intellectual property rights, etc.);
 - Collusion;
 - Failure to disclose accurate information required during the sourcing activity (ownership, financial situation, B-BBEE status, etc.);
 - Corrupt activities listed above; and
 - Harassment, intimidation or other aggressive actions towards Transnet employees.

Suppliers must be evaluated and approved before any materials, components, products or services are purchased from them. Rigorous due diligence is conducted and the supplier is expected to participate in an honest and straight forward manner.

- Suppliers must record and report facts accurately, honestly and objectively. Financial records must be accurate in all material respects.

Transnet Freight Rail
A Division of Transnet SOC Ltd
RFQ No. SIM16000CIBB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

Conflicts of Interest

A conflict of interest arises when personal interests or activities influence (or appear to influence) the ability to act in the best interests of Transnet SOC Limited.

- Doing business with family members.
- Having a financial interest in another company in our industry

Where possible, contracts will be negotiated to include the above in the terms of such contracts. To the extent such terms are not included in contractual obligations and any of the above code is breached, then Transnet reserves its right to review doing business with these suppliers.

I, _____ of _____
(insert name of Director or as per Authority Resolution from Board of Directors) (insert name of Company)

hereby acknowledge having read, understood and agree to the terms and conditions set out in the "Transnet Supplier Code of Conduct".

Signed this on day _____ at _____

Signature

T2.2-32: Unilateral Non-Disclosure Agreement

Note to tenderers: This Non-Disclosure Agreement is to be completed and signed by an authorised signatory:

THIS AGREEMENT is made effective as of day of 20..... by and between:

Transnet SOC Ltd (Registration No. 1990/000900/30), a company incorporated and existing under the laws of South Africa, having its principal place of business at Carlton Centre, 150 Commissioner Street, Johannesburg, 2001, Gauteng, Republic of South Africa,

hereinafter referred to as the "**disclosing party**"

and

..... (Registration No.) a private company incorporated and existing under the laws of South Africa having its principal place of business at

hereinafter referred to as the "**receiving party**."

1. Purpose

The parties to this Agreement have a business relationship under which the disclosing party may provide its Confidential Information to the receiving party for the purpose of planning, developing and/or constructing [-----] ("the Purpose"). The receiving party shall treat as confidential all information and know-how which it may receive from the disclosing party in terms of this Agreement (hereinafter referred to as "Confidential Information"), and shall not divulge to any other party in any circumstances any such Confidential Information, and, in particular, any such Confidential Information as is covered by the National Key Points Act (Act No. 102 of 1980), whether during the currency of this Agreement or at any time thereafter, without the prior written consent of the disclosing party.

2. Definition

“Confidential Information” means any information, technical data, or know-how, including, but not limited to, that which relates to research, product plans, products, services, customers, markets, software, developments, inventions, processes, designs, drawings, engineering, hardware configuration information, marketing or finances.

3. Exclusions

Confidential Information does not include information, technical data or know-how which:
is in the possession of the receiving party at the time of disclosure as shown by the receiving party's files and records immediately prior to the time of disclosure;
prior or after the time of disclosure becomes part of the public knowledge or literature, not as a result of any inaction or action of the receiving party;
is developed by the receiving party through its independent resources without reference to the disclosing party's Confidential Information;
is disclosed to the receiving party by a third party without restriction and, to the knowledge of the receiving party, without violation of any obligation of confidentiality; or
is approved for release by the disclosing party in writing.

4. Non-Disclosure of Confidential Information

4.1. The receiving party to this Agreement agrees not to use the Confidential Information disclosed to it by the disclosing party for its own use or for any purpose except to carry out the Purpose as contained in this Agreement. The receiving party will not disclose any Confidential Information of the disclosing party to third parties except those directors, officers, employees, consultants and agents who are required to have the information in order to carry out the discussions of the contemplated Purpose. The receiving party will notify those directors, officers, employees, consultants and agents to whom Confidential Information of the disclosing party is disclosed or who have access to Confidential Information of the receiving party that they are bound by the obligations of this Non-Disclosure Agreement.

4.2. The receiving party agrees that it will take all reasonable measures to protect the secrecy of and avoid disclosure or use of Confidential Information of the disclosing party in order to prevent it from falling into the public domain or the possession of persons other than those persons authorised hereunder to have any such information. The receiving party agrees to notify the disclosing party in writing of any misuse or misappropriation of such Confidential Information of the disclosing party which may come to its attention.

5. Promotion of Access to Information Act, No.2 of 2000

- 5.1. All information relating to the disclosing party and which the disclosing party has indicated to the receiving party, in writing, to be Confidential Information, shall be deemed to be Confidential Information.
- 5.2. No provision of this Agreement shall be construed in such a way that the disclosing party is deemed to have granted its consent to the receiving party to disclose the whole or any part of the Confidential Information in the event that the receiving party receives a request for the whole or any part of the Confidential Information in terms of the provisions of the Promotion of Access to Information Act, No.2 of 2000, as may be amended from time to time ("the Act").
- 5.3. Subject to the provisions of sub-clause 5.4 below, the disclosure of Confidential Information by the receiving party otherwise than in accordance with the provisions of this Agreement will entitle the disclosing party to institute action for breach of confidence against the receiving party, as envisaged by Section 65 of Act No.2 of 2000.
- 5.4. The receiving party acknowledges that the provisions of sub-clause 5.3 above shall not be construed in such a manner as to exclude the applicability of any other grounds of refusal contained in Act No.2 of 2000 which may be applicable in the event that the receiving party receives a request for the whole or any part of the Confidential Information in terms of Act No.2 of 2000.

6. Non-Solicitation

During the two-year period following the execution of this Agreement, neither party will solicit for employment, on its own behalf or that of any other person, any officer, director or employee of the other party at the level of director, vice-president or higher with whom the soliciting party became acquainted during the course of the discussions contemplated by this Agreement; provided, that the foregoing shall not be deemed to prohibit either party or a subsidiary of such party from making a general, public solicitation of employment in the ordinary course of such party or subsidiary's business, provided that such solicitation is not directed specifically to employees of the other party.

7. Mandatory Disclosure

In the event that the receiving party or their respective directors, officers, employees, consultants or agents are requested or required by legal process to disclose any of the Confidential Information of the disclosing party, the receiving party shall give prompt notice so that the disclosing party may seek a protective order or other appropriate relief. In the event that such protective order is not obtained, the receiving party shall disclose only that portion of the Confidential Information, which its counsel advises that it is legally required to disclose.

8. Variation, Addition or Cancellation

No variation of, addition to, cancellation or novation of this Agreement in its entirety or of any term or condition thereof shall be of any force or effect unless such amendment or cancellation is reduced to writing and signed by both parties.

9. No License Granted

Nothing in this Agreement is intended to grant any rights to the receiving party under any patent, copyright, trade secret or other intellectual property right nor shall this Agreement grant the receiving party any rights in or to the disclosing party's Confidential Information, except the limited right to review such Confidential Information solely for the purposes of the contemplated business relationship between the parties.

10. No Representations

The disclosing party makes no representation or warranty as to the accurateness or completeness of any Confidential Information provided hereunder and shall have no liability to the receiving party arising from, or related to the use of Confidential Information provided hereunder.

11. Term

The foregoing commitments of the parties in this Agreement shall survive any termination of the business relationship under the contemplated Purpose between the parties, and shall continue operative as to any Confidential Information disclosed hereunder for a period of 10 (ten) years following the disclosure of such Confidential Information.

12. Miscellaneous

This Agreement shall be binding upon and for the benefit of the undersigned parties, their successors and assigns, provided that the Confidential Information disclosed under this Confidentiality Agreement may not be assigned without the prior written consent of the disclosing party. Failure to enforce any provision of this Agreement shall not constitute a waiver of any term hereof.

13. Governing Law and Jurisdiction

This Agreement shall be governed by and construed and enforced in accordance with the laws of the Republic of South Africa, and shall be binding upon the parties hereto in South Africa and worldwide.

14. Disputes

Any dispute or difference arising out of or relating to this Confidentiality Agreement shall be referred to arbitration and settled by arbitration according to the rules then in effect of the Arbitration Foundation of Southern Africa. Such arbitration shall be held in Johannesburg, and conducted in the English language before 1 (one) arbitrator appointed in accordance with the said rules. The arbitrator shall apply the law chosen by the parties elsewhere in this Agreement to the merits of the dispute. This Agreement to arbitrate shall be enforceable in, and judgement upon any award may be entered in any court of any country having appropriate jurisdiction.

15. Remedies

The receiving party agrees that its obligations hereunder are necessary and reasonable in order to protect the disclosing party and its business, and expressly agrees that monetary damages may be inadequate to compensate the disclosing party for any breach by the receiving party of any covenants and agreements set forth herein. Accordingly, the receiving party agrees and acknowledges that any such violation or threatened violation may cause irreparable injury to the disclosing party and that, in addition to any other remedies that may be available, in law, in equity or otherwise, the disclosing party shall be entitled to obtain injunctive relief against the threatened breach of this Agreement or the continuation of any such breach, without the necessity of proving actual damages.

Signed

Date

Name

Position

Tenderer

T2.2-34: SUPPLIER DECLARATION FORM

Respondents are to furnish the following documentation and complete the Supplier Declaration Form below:

1. **Original or certified** 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 copy** of Certificate of Incorporation, CM29 / CM9 *[name change]*
4. **Certified copy** of Share Certificates [CK1/CK2 if CC]
5. Original or certified letterhead confirm physical and postal addresses
6. **Original or certified** valid SARS Tax Clearance Certificate [RSA entities only]
7. **Certified copy** of VAT Registration Certificate [RSA entities only]
8. A signed letter from your entity's auditor or accountant confirming most recent annual turnover figures or certified BBBEE certificate
9. **Certified copy** of valid Company Registration Certificate *[if applicable]*

Note: No contract shall be awarded to any South African Respondent whose tax matters have not been declared by SARS to be in order.

Note: No agreement shall be awarded to any Respondent whose tax matters have not been declared by SARS to be in order.

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 E-Mail Address							
Company Website Address							
Bank Name				Bank Account Number			
Postal Address						Code	
Physical Address						Code	
Contact Person							

Transnet Freight Rail
A Division of Transnet SOC Ltd
RFQ No. SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

Designation							
Telephone							
Email							
Annual Turnover Range (Last Financial Year)		< R5 Million		R5-35 million		> R35 million	
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 Service Supplied (E.G.: Stationery/Consulting)							
BEE Ownership Details							
% Black Ownership		% Black women ownership		% Disabled person/s ownership			
Does your company have a BEE certificate			Yes		No		
What is your broad based BEE status (Level 1 to 9 / Unknown)							
How many personnel does the firm employ (Permanent)							
Part time							
Transnet Contact Person							
Contact number							
Transnet operating division							

Duly Authorised To Sign For And On Behalf Of Firm / Organisation			
Name		Designation	
Signature		Date	

Stamp And Signature Of Commissioner Of Oath			
Name		Date	
Signature		Telephone No.	

T2.2-35: Storage Capacity

Note to tenderers:

The Tenderer is required to demonstrate to the Purchaser that he has sufficient current and/or future storage capacity to accommodate Transnet Limited's requirements as detailed in the Pricing Data and Goods Information, (Proof of Ownership or Rental/Lease Agreement of premises)

Index of documentation attached to this schedule:

Signed _____ Date _____

Name	Position
------	----------

Tenderer

T2.2-36: RFQ DECLARATION FORM

NAME OF COMPANY: _____

We _____ do hereby certify that:

1. Transnet has supplied and we have received appropriate responses to any/all questions (as applicable) which were submitted by ourselves for bid clarification purposes;
2. we have received all information we deemed necessary for the completion of this Request for Quotation (RFQ);
3. at no stage have we received additional information relating to the subject matter of this RFQ from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the RFQ documents;
4. we are satisfied, insofar as our company is concerned, that the processes and procedures adopted by Transnet in issuing this RFQ and the requirements requested from bidders in responding to this RFQ have been conducted in a fair and transparent manner; and
5. furthermore, we acknowledge that a direct relationship exists between a family member and/or an owner / member / director / partner / shareholder (unlisted companies) of our company and an employee or board member of the Transnet Group as indicated below: *[Respondent to indicate if this section is not applicable]*

FULL NAME OF OWNER/MEMBER/DIRECTOR/
PARTNER/SHAREHOLDER:

ADDRESS:

Indicate nature of relationship with Transnet:

[Failure to furnish complete and accurate information in this regard may lead to the disqualification of your response and may preclude a Respondent from doing future business with Transnet]

We declare, to the extent that we are aware or become aware of any relationship between ourselves and Transnet (other than any existing and appropriate business relationship with Transnet) which could unfairly advantage our company in the forthcoming adjudication process, we shall notify Transnet immediately in writing of such circumstances.

6. We accept that any dispute pertaining to this bid will be resolved through the Ombudsman process and will be subject to the Terms of Reference of the Ombudsman. The Ombudsman process must first be exhausted before judicial review of a decision is sought. (Refer "Important Notice to Respondents" overleaf).
7. We further accept that Transnet reserves the right to reverse a tender award or decision based on the recommendations of the Ombudsman without having to follow a formal court process to have such award or decision set aside.

SIGNED at _____ on this _____ day of _____ 20____

For and on behalf of	AS WITNESS:
duly authorised (the etc)	
Name:	Name:
Position:	Position:
Signature:	Signature:
Date:	
Place:	

T2.2-37: Method Statement

Note to tenderers:

Method statement

In addition to general methodology for the project please provide specific information for the following points:

Not Applicable.

Signed

Date

Name

Position

Tenderer

T2.2-41: Evaluation Schedule: Approach Paper

The approach paper must respond to the scope of work and outline the proposed approach / methodology including that relating to programme, with specific reference to meeting key dates and method statement in respect of the: supplying, installing, testing and commissioning SF6 Gas Filled Primary Circuit Breakers for 3Kv Traction Substation.

The approach paper should articulate what the tenderer will provide in achieving the stated objectives for the project which should include a high level project schedule and cash flow.

The tenderer must as such explain his / her understanding of the objectives of the works and the Employer's stated and implied requirements, highlight the issues of importance, and explain the technical approach they would adopt to address them. The approach paper should explain the methodologies which are to be adopted and demonstrate its compatibility. The approach should also include and outline processes, procedures and associated resources, to meet the requirements and indicate how risks will be managed.

The tenderer must attach his / her approach paper to this page. The approach paper should not be longer than 8 pages.

The scoring of the approach paper will be as follows:

Technical approach and methodology	
Poor (score 40)	The technical approach and / or methodology is poor / is unlikely to satisfy project objectives or requirements. The tenderer has misunderstood certain aspects of the scope of work and does not deal with the critical aspects of the project.
Satisfactory (score 70)	The approach is generic and not tailored to address the specific project objectives and methodology. The approach does not adequately deal with the critical characteristics of the project. The quality plan, manner in which risk is to be managed etc. is too generic.
Good (score 90)	The approach is specifically tailored to address the specific project objectives and methodology and is sufficiently flexible to accommodate changes that may occur during execution. The quality plan and approach to managing risk etc. is specifically tailored to the critical characteristics of the project.

Very good (score 100)	<p>Besides meeting the "good" rating, the important issues are approached in an innovative and efficient way, indicating that the tenderer has outstanding knowledge of state-of-the-art approaches.</p> <p>The approach paper details ways to improve the project outcomes and the quality of the outputs</p>
--	--

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed	Date
Name	Position
Tenderer	

preview copy

T2.2-43: REQUEST FOR QUOTATION – BREACH OF LAW

NAME OF COMPANY: _____

I / We _____ do hereby certify that ***I/we have/have not been*** found guilty during the preceding 5 (five) years of a serious breach of law, including but not limited to a breach of the Competition Act, 89 of 1998, by a court of law, tribunal or other administrative body. The type of breach that the Respondent is required to disclose excludes relatively minor offences or misdemeanours, e.g. traffic offences.

Where found guilty of such a serious breach, please disclose:

NATURE OF BREACH:

DATE _____ OF _____ BREACH;

Furthermore, I/we acknowledge that Transnet SOC Ltd reserves the right to exclude any Respondent from the bidding process, should that person or company have been found guilty of a serious breach of law, tribunal or regulatory obligation.

SIGNED at _____ on this _____ day of _____ 20____

SIGNATURE OF WITNESS

SIGNATURE OF RESPONDENT

T2.2-49: TRANSNET SOC LIMITED / CONTRACTORS / SUB-CONTRACTORS

CONTRACTUAL SAFETY CLAUSES WHICH WILL FORM PART OF ANY RESULTING CONTRACT

The parties agree on the following arrangements according to section 37 (2) of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) to ensure compliance by the mandatory with provisions of the Act.

- 1) That the Contractor is an "employer" in his own right as defined in section 1 of Act 85 of 1993 and that he must fulfil all his obligations as an employer in terms of the Act.
- 2) The Contractor shall comply with the requirements of Act 85 of 1993 in its entirety.
- 3) Where special permits are required, such as electrical switching, hot work permits, etc. the Contractor shall obtain them from a person designated by Transnet SOC Limited for this purpose, and all requirements of the Contractor must rigidly comply with the permit.
- 4) The Contractor shall conduct a risk assessment of the work to be performed by a competent person prior to the commencement of work, to identify risks and hazards that persons may be exposed to, analyse and evaluate identified hazards.
- 5) The Contractor shall have a documented Health and Safety Plan based on the risks and hazards identified before commencement of work.
- 6) The Health and Safety Plan shall include the following:
 - 6.1 The safety management structure to be instituted with all appointments in terms of the Act and Regulations.
 - 6.2 The safe working methods and procedures to be implemented to ensure work are performed in compliance to the Act.
 - 6.3 The safety equipment, devices and clothing to be made available by the Contractor to his employees.
 - 6.4 The site access control measures pertaining to health and safety to be implemented.
 - 6.5 Control measures for ensuring that the Health and Safety Plan is maintained and monitored for the duration of the contract.
- 7) The Contractor shall ensure that all work is performed under the close supervision of a person trained to understand the hazards associated with the work performed and who has authority to ensure that the necessary precautionary measures are implemented.
- 8) The Contractor must appoint a Health and Safety Co-ordinator to liaise with Transnet SOC Limited on matters pertaining to occupational health and safety.
- 9) The appointed Safety Co-ordinator must liaise at least once a week with the* Health and Safety Section / Risk Manager /Occupational Risk Manager of Transnet SOC Limited.
- 10) The Contractor shall furnish the* Health and Safety Section/ Risk Manager/ Occupational Risk Manager of Transnet SOC Limited immediately with full particulars of any sub-Contractor which he may involve in the contract in order that the sub-Contractor himself can be made aware of all the clauses in this contract pertaining to health and safety.

- 11) The Contractor shall stop any sub-contractor from executing work which is not in accordance with the Health and Safety Plan or which poses a threat to health and safety of persons.
- 12) The Contractor shall ensure that all his employees and visitors undergoes health and safety induction pertaining to the hazards prevalent, proof of such training must be kept on file.
- 13) In the event where the risk assessment reveals the risk relating to working from an elevated position the Contractor shall cause the designation of a competent person, responsible for the preparation of a Fall Protection Plan.
- 14) **The Fall Protection Plan shall include:**
 - 14.1 A risk assessment of all work carried out from an elevated position
 - 14.2 Procedures and methods to address all the identified risks per location
 - 14.3 Evaluation of employee's physical and psychological fitness necessary to work at elevated position.
 - 14.4 The training of employees working from an elevated position.
 - 14.5 Procedure addressing the inspection, testing and maintenance of all fall protection equipment.
- 15) The Contractor shall advise the * Health and Safety Section / Risk Manager/ Occupational Risk Manager of Transnet SOC Limited of any hazardous situations which may arise from work being performed either by the Contractor or his sub-contractor.
- 16) Copies of all appointments required by the Act must be given to * Health and Safety Section / Risk Manager / Occupational Risk Manager of Transnet SOC Limited.
- 17) The Contractor shall ensure that Health and Safety File is available which shall include all documentation as required by the Act, copy of his and his Sub-Contractors Risk Assessment and Health and Safety Plan.
- 18) All incidents referred to in Section 24 of the Act involving the Contractor and his Sub-Contractor on Transnet Ltd premises, shall be reported as prescribed. Transnet Ltd hereby obtains an interest in the issue of any investigation, formal inquiry conducted in terms of Section 31 and 32 of the Act into any incident involving the Contractor, his Sub-Contractor, any person or machinery under his control on Transnet Ltd premises.
- 19) ***No alcohol or any other intoxicating substance shall be allowed on Transnet Ltd premises. The Contractor shall not allow anyone under or suspected to be under the influence of alcohol or any other intoxicating substance on Transnet Ltd premises.***
- 20) Contractor to ensure its employees undergo medical surveillance as required by legislation
- 21) Contractor will be required to provide monthly safety performance reports and statistics
- 22) ***A letter of good standing in terms of Section 80 (Employer to register with the Compensation Commissioner) of the Compensation for Occupational Injuries and Disease Act 1993 (Act 130 of 1993) must also be furnished.***
- 23) All clauses in the contract pertaining health and safety form an integral part of the contract and if not complied with may be construed as breach of contract.
*As applicable

Tenderer OH & S Management System Questionnaire

This questionnaire forms part of TFR tender evaluation process and is to be completed by all Tenderer's and submitted with their tender offer. The objective of the questionnaire is to provide an overview of the status of the Tenderer's OH&S management system. Tenderers will be required to verify their responses noted in their questionnaire by providing evidence of their ability and capacity in relevant matters. **TFR will verify accuracy of this information during the physical visit as part of the tender evaluation.**

The information provided in this questionnaire is an accurate summary of the company's occupational health and safety management system.		
Company Name:		
Signed:	Name:	
Position:	Date:	
Tender Description:		
Tender Number:		
Tenderer OH&S Management System Questionnaire		Yes No
1. OH&S Policy and Management		
- Is there a written company health and safety policy? - If yes provide a copy of the policy		
- Does the company have an OH&S Management system e.g. NOSA, OHSAS, IRCA System etc - If yes provide details		
- Is there a company OH&S Management System, procedures manual or plan? - If yes provide a copy of the content page(s)		
- Are health and safety responsibilities clearly identified for all levels of Management and employees? - If yes provide details		
2. Safe Work Practices and Procedures		
- Are safe operating procedures or specific safety instructions relevant to its operations available? - If yes provide a summary listing of procedures or instructions		
- Is there a register of injury document? If yes provide a copy		
- Are Risk Assessments conducted and appropriate techniques used? - If yes provide details		

3. OH&S Training		
Describe briefly how health and safety training is conducted in your company:		
- Is a record maintained of all training and induction programs undertaken for employees in your company? - If yes provide examples of safety training records		
4. Health and Safety Workplace Inspection		
- Are regular health and safety inspections at worksites undertaken? - If yes provide details		
- Is there a procedure by which employees can report hazards at workplaces? - If yes provide details		
5. Health and Safety Consultation		
- Is there a workplace health and safety committee?		
- Are employees involved in decision making over OH&S matters? - If yes provide details		
- Are there employee elected health and safety representatives? - Comment		
6. OH&S Performance Monitoring		
- Is there a system for recording and analysing health and safety performance statistics including injuries and incidents? - If yes provide details		
- Are employees regularly provided with information on company health and safety performance? - If yes provide details		
Is company registered with workmen's compensation and up to date? - If yes provide proof of letter of good standing		
- Has the company ever been convicted of an occupational health and safety offence? - If yes provide details		

Safety Performance Report

Transnet Freight Rail
A Division of Transnet SOC Ltd
RFQ No. SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

Monthly DIFR for previous months

Previous Year	No of Disabling Injuries	Total Number of employees	DIFR per month
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

DIFR = Number of Disabling injuries x 200000 divided by number of man hours worked for the period

Signed
(Tenderer)

MANADATORY RETURNABLE DOCUMENTS	YES/NO	DEVIATE
TECHNICAL CLAUSE BY CLAUSE COMPLIANCE SHEETS FOR ALL THE SPECIFICATION:		
<p>1.0 CONTRACTUAL OBLIGATIONS</p> <p>1.1 This project specifications covers Transnet Freight Rails requirements for the supply, install ,test and commission SF6 Gas Filled Primary Circuit Breakers at Plaats,Arbor and Aurum 3kV DC traction substations, under the control of Deport Engineer ,Isando</p> <p>1.2 A compulsory site meeting will be held on the 01st June 2016, at Isando Depot at 10:00.</p> <p>1.3 Tenders must be deposited to the Tender Box, which will be located in the foyer of INYANDA HOUSE, Transnet freight rail and shall be addressed as follows: Chairperson Transnet Freight Rail Acquisition Council, Inyanda House, 21 Wellington Road, and Parktown.</p> <p>1.4 Tenders must be enclosed in a sealed envelope bearing the tender number SIM16000CIDB on the outside.</p> <p>1.5 <u>Please note that this tender closes punctually at 10:00 on the 14th June 2016</u></p> <p>1.6 Tenderers shall submit their offers in duplicate otherwise their offers will be over-looked.</p> <p>1.7 Tenderers must duly fill in the Tender Form E4 and its Annexures and submit the same with their offers.</p> <p>1.1 The Contractor shall not make use of any sub-Contractor to perform the works or parts thereof without prior permission from the Project Manager.</p>		

<p>1.2 The Contractor shall ensure that a safety representative is at site at all times.</p> <p>1.3 The Contractor shall comply with all applicable legislation and Transnet safety requirements adopted from time to time and instructed by the Project Manager / Supervisor. Such compliance shall be entirely at his own cost, and shall be deemed to have been allowed for in the rates and prices in the contract.</p> <p>1.4 The Contractor shall, in particular, comply with the following Acts and Transnet Specifications:-</p> <p>1.4.1 The Compensation for Occupational Injuries and Diseases Act, No. 130 of 1993. The Contractor shall produce proof of his registration and good standing with the Compensation Commissioner in terms of the Act.</p> <p>1.4.2 The Occupational Health and Safety Act (Act 85 of 1993).</p> <p>1.4.3 The explosives Act No. 26 of 1956 (as amended). The Contractor shall, when applicable, furnish the Project Manager / Supervisor with copies of the permits authorising him or his employees, to establish an explosives magazine on or near the site and to undertake blasting operations in compliance with the Act.</p> <p>1.4.4 The Contractor shall comply with the current Transnet Specification E.4E, Safety Arrangements and Procedural Compliance with the Occupational Health and Safety Act, Act 85 of 1993 and Regulations and shall before commencement with the execution of the contract, which shall include site establishment and delivery of plant, equipment or materials, submit to the Project Manager / Supervisor.</p> <p>1.4.5 The Contractor shall comply with the current Specification for Works On, Over, Under or Adjacent to Railway</p>		
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<p>Lines and near High Voltage Equipment – E7/1, if applicable, and shall take particular care of the safety of his employees on or in close proximity to a railway line during track occupations as well as under normal operational conditions.</p> <p>1.5 The Contractor's Health and Safety Programme shall be subject to agreement by the Project Manager / Supervisor, who may, in consultation with the Contractor, order supplementary and/or additional safety arrangements and/or different safe working methods to ensure full compliance by the Contractor with his obligations as an employer in terms of the Act.</p> <p>1.6 In addition to compliance with clause 1.4 hereof, the Contractor shall report all incidents in writing to the Project Manager / Supervisor. Any incident resulting in the death of or injury to any person on the works shall be reported within 24 hours of its occurrence and any other incident shall be reported within 48 hours of its occurrence.</p> <p>1.7 The Contractor shall make necessary arrangements for sanitation, water and electricity at these relevant sites during the installation of the equipments.</p> <p>1.8 A penalty charge of R2, 000.00 per day will be levied for late completion.</p> <p>1.9 The Contractor shall supply a site diary (with triplicate pages). This book shall be used to record any unusual events during the period of the work. Any delays to the work shall also be recorded such as delays caused by poor weather conditions, delays caused by permits being cancelled etc. The appointed Project Manager or Supervisor must countersign such delays. Other delays such as non-availability of equipment from 3rd party suppliers must be</p>		
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<p>communicated to the Project Manager or Supervisor in writing.</p> <p>1.10 The Contractor shall supply a site instruction book (with triplicate pages). This book shall be used to record any instructions to the Contractor regarding problems encountered on site – for example the quality of work or the placement of equipment. This book shall be filled in by the Project Manager or Supervisor and must be countersigned by the Contractor.</p> <p>1.11 Both books mentioned in 1.9 and 1.10 shall be the property of Transnet Freight Rail and shall be handed over to the Project Manager or Supervisor on the day of energising or handing over.</p> <p>1.12 All processes or the manufacture and assembly of the product components must be subjected to a quality assurance system.</p> <p>1.13 The Contractor will assume full responsibility for assuring that the products purchased meet the requirements of Transnet Freight Rail for function, performance, and reliability, including purchased products from 3rd party suppliers/Manufacturers.</p> <p>1.14 The Contractor shall prove to Transnet Freight Rail that his equipment or those supplied from 3rd party suppliers/manufacturers confirms to Transnet freight rail specifications.</p> <p>The Contractor will remain liable for contractual delivery dates irrespective of deficiencies discovered during workshop inspections</p> <p>2.1 SF6 Gas filled Primary Circuit Breakers</p> <p>2.1.1 The Contractor shall disconnect, dismantle and remove primary circuit breakers from sites and transport them to Sentrara Infrastructure depot.</p>		
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<p>2.1.2 Cast concrete foundations for the support steel structure for the new SF6 gas filled primary circuit breakers where the existing one cannot be used.</p> <p>2.1.3 Provide and install support steel structure for the new SF6 gas filled primary circuit breakers where the existing one cannot be used.</p> <p>2.1.4 Supply, deliver, install and connect the new high voltage SF6 gas filled primary circuit breakers with its associated operating box.</p> <p>2.1.5 The front of the circuit breaker operating mechanism box shall face the main transformer</p> <p>2.1.6 Electrically connect the newly installed equipment to the existing earth system</p> <p>2.1.7 Test, commission and hand over the equipment.</p> <p>3.0 Concrete foundations</p> <p>3.1 The contractor shall be responsible for the casting of foundation for support steel structure for the new SF6 gas filled primary circuit breakers where the existing one cannot be used.</p> <p>3.2 The contractor shall carry out his own survey in regard to soil types and their load bearing capabilities.</p> <p>3.3 The 28-day strength of all concrete used shall be minimum 20MPa.</p> <p>3.4 The contractor shall arrange the sampling and testing of all concrete used, and shall submit full records to the Technical Officer. Transnet Freight Rail reserves the right to</p>		
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<p>undertake testing of concrete samples and the contractor shall furnish test cubes if requested by the Technical Officer.</p>		
<p>3.5 Hand mixed concrete is not acceptable, it must be mechanically mixed.</p>		
<p>3.6 The additional of water to concrete mix reduces the strength of that concrete very significantly and on no account shall water be added to a mix after test cubes have been taken.</p>		
<p>3.7 Foundations shall be fished of 200mm above the finished earth level of the yard, as to prevent standing water.</p>		
<p>4.0 Steelworks</p>		
<p>4.1 Supply and installation of all steel structures for the support equipment and tensioning of conductors shall be the responsibility of the contractor.</p>		
<p>4.2 The manufacture of any steelworks shall not take place prior to the approval of designs drawings by the Technical Officer.</p>		
<p>4.3 All fasteners (bolts and nuts) shall be secured using flat as well as lock washers.</p>		
<p>5.0 Primary Circuit Breakers</p>		
<p>5.1 The SF6 circuit breakers shall comply with SABS IEC 56 and Transnet specification BBB 1267.</p>		
<p>5.2 The circuit breaker shall have a motor wound spring operating mechanism.</p>		
<p>5.3 A visual mechanical indicating device shall be provided to indicate the state of spring and shall be inscribed "Spring Charged" when the mechanism is in the condition to</p>		

<p>close the circuit breaker and "Spring Free" when it is any other condition.</p> <p>5.4 The springs shall recharge automatically after the completion of a closing operation.</p> <p>5.5 Each circuit breaker shall be provided with labels to indicate the breakers designation and telecontrol code .TFR (Technical Officer) will supply these designations and telecontrol codes.</p> <p>5.6 The proposed labelling must be submitted to the Technical Officer for approval prior to the manufacture of the labels.</p> <p>5.7 The low gas protection shall be wired into the existing control circuitry.</p> <p>6.0 The contractor must make sure the circuit breaker trips under the following conditions:</p> <p>6.1 Main transformer over temperature.</p> <p>6.2 Main transformer overload</p> <p>6.3 Rectifier over –temperature</p> <p>6.4 Rectifier fan failure.</p> <p>6.5 Auxiliary transformer overload.</p> <p>7.0 The circuit breaker shall trip and lockout in the open position under the following conditions:</p> <p>7.1 Main transformer Buchholz operation.</p> <p>7.2 Auxiliary transformer Buchholz operation</p> <p>7.3 Attenuation failure.</p> <p>7.4 A.C earth leakage</p> <p>7.5 D.C earth leakage</p> <p>7.6 110 V DC failure</p>		
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<p>7.7 Low SF6 gas pressure.</p>		
<p>8.0 Cabling and wiring</p>		
<p>8.1 All cables entering the control equipment shall be block joined (50mm of armouring to be removed) above the ground. The block jointing shall be done before the cables are installed into the control equipment building. The block joint shall be covered by heatshrink sleeve.</p>		
<p>8.2 All cables shall terminate in compression type glands. These glands shall be fitted with neoprene shrou.</p>		
<p>8.3 Cables and earthing conductors connected to equipment installed on steel support structures shall be supported on the steel structure vertically and horizontally by means of a cable tray. This cable tray shall be of the C-Line SS5 Grdspan Wire Mesh type or similar with the wire mesh having a diameter of 4mm and a hot dip galvanised finish.</p>		
<p>8.4 The cables shall be fixed to the cable trays using UV stabilised cable ties.</p>		
<p>8.5 All dissimilar metal connections (Cu to Al) shall be made using bi-metallic clamps that are specifically designed and manufactured to make that particular connection (ad hoc fabricated clamps are not acceptable).</p>		
<p>8.6 All copper connections to steel (galvanised) shall be tinned.</p>		
<p>9.0 Earthing</p>		
<p>9.1 The support steelwork for the circuit breakers and current transformers shall be connected to the existing</p>		



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<p>substation earth mat in accordance to drawing No. CEE-TBD-7.</p> <p>9.2 The resistance between the outdoor yard steelwork, when connected in parallel, and be supplied and installed between the steelwork and the holding down bolts.</p> <p>10.0 Disposal and Treatment of oil and oil circuit breakers</p> <p>10.1 The collection, handling and disposal of oil from the OCBs and the circuit breakers shall be done in a safe and environmentally sound manner.</p> <p>10.2 Unless any equipment to be replaced containing oil is clearly certified PCB free, the contractor shall test or make arrangements for the testing of the circuit breaker oil for Polychlorinated Biphenyls(PCBs) before replacing the OCBs and submit the results to Transnet.</p> <p>10.2.1 This will be done by first conducting preliminary screening chlorine tests and where the levels of chlorine presence are above 50ppm, further detailed PCB tests and analyses shall be conducted.</p> <p>10.2.2 The units with levels of contamination less than 50 ppm Chlorine shall be disposed of following the normal disposal procedure.</p> <p>10.2.3 Any units with residual PCB pollution, or oils contaminated to a level greater than 50ppm Chlorine shall be treated as PCB ITEMS.</p> <p>10.2.3.1 PCB items shall be disposed of in a manner meeting all regulatory approvals pertaining to hazardous waste. The disposal process shall be</p>		
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<p>to the written approval of Transnet and the Department of Environmental Affairs, and may include incineration at an approved (foreign) facility or encapsulation at a registered HH waste site. Incineration at an approved foreign facility, meeting all requirements of the Basle Convention is the disposal option preferred by Transnet.</p> <p>10.3 The soil around the circuit breakers that has been polluted as a result of current or past leakage of oil shall be remediated. Remediation of polluted soils not containing PCB's may be conducted in-situ I the case of light contamination (total petroleum hydrocarbon (tp) ≤ 1000 ppm). Alternative methods of bioremediation, landfarming or off-site disposal of such contaminated soils shall be considered and implemented for soil material contaminated to a concentration >1000 tph.</p> <p>10.3.1 All PCB contamination in the ground if encountered and exceeding the 50 ppm limit shall be removed and disposed of in a manner approved by Transnet, in line with the directives for PCB items as specified above.</p> <p>10.4 The costs for the screening chlorine test and provisional analyses of oils and soil for PCB's, the tests and analyses of soil to determine tph levels where spillages has occurred, must be furnished separately by the tenders.</p>		
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10.4.1 The tender shall provide a provisional method statement and cost for the legal disposal of PCB items, such methodology and costing becoming applicable only in the event of PCB items requiring disposal as specified being required.

10.5 Approved degreasing agents on concrete surfaces shall be used, if required.

10.6 Some of the old circuit breakers that are not contaminated will be kept as spares for maintenance purposes. These must be left at a site indicated by Transnet.

11.0 Testing and Commissioning

11.1 All pre-commissioning tests shall be performed by the contractor. Transnet reserves the right to witness these tests.

11.2 The contractor shall supply all test equipment and instruments.

11.3 Transnet shall be notified at least 14 days prior to performing these tests.

11.4 Transnet shall perform final commissioning tests.

11.5 Acceptance by the Technical Officer of satisfactory completion of on-site tests in no way relieves the contractor of his obligation to rectify defects which may have been overlooked or become evident at a later stage.

12.0 Quality Assurance

12.1 All major equipment shall be subject to quality control tests and inspections.

12.2 A Transnet representative/s shall witness these tests.

<p>13.0 Drawings, maintenance and instruction manuals</p> <p>13.1 The following drawings shall be supplied by the contractor.</p> <p>13.1.1 Two prints each of design drawings shall be submitted for approval to the Technical Officer prior to the commencement of work or manufacture of any equipment. This includes circuit diagrams, design for foundations and support steelwork.</p> <p>13.2 Three sets of maintenance and instruction manuals complete with "as built" drawings of the equipment installed shall be provided per equipment type and rating, per maintenance depot. One copy of each of these must be available at the commissioning and handing over of equipment.</p> <p>14.0 Guarantee</p> <p>14.1 The contractor shall undertake to attend to any defects during the guarantee period within two days after notification.</p> <p>15.0 Documents to be submitted</p> <p>15.1 Tenderers shall submit a clause by clause statement of compliance to this specification (BBB 1153), BBB1267, CEE.0224.94 and CEE.0045.96. A general comment of compliance to all will not be accepted. Where the requirements of these specifications are not complied with, tenderers shall submit full details of the alternative being offered.</p> <p>15.2 com</p>		
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16.0 SITE TESTS

- 16.1 The equipment shall be inspected/tested and approved by Transnet Freight Rail Quality Assurance at the Contractor's workshop prior to it being taken to site. Only once the approval has been granted can the equipment be taken to site for installation.
- 16.2 The Contractor shall be responsible for carrying out of on-site tests and commissioning of all equipment supplied and installed in terms of this specification and the contractual agreement.
- 16.3 Functional on-site tests shall be conducted on all items of equipment and circuitry to prove the proper functioning and installation thereof.
- 16.4 The Contractor shall submit a detailed list of on-site tests for the approval of the Project Manager or Supervisor.
- 16.5 The Contractor shall arrange for the Supervisor or his representative to be present to witness the on-site tests.
- 16.6 The on-site tests and subsequent commissioning **will not commence until ALL CONSTRUCTION** work has been completed. Construction staff, material and equipment shall be removed from site prior to the commencement of testing. Testing and commissioning of the power plants equipment will not be allowed to take place in a construction site environment.
- 16.7 The on-site tests shall include the following:
- 16.7.1 Test for the functionality of all electrical circuitry.
 - 16.7.2 Trip tests on relays.
 - 16.7.3 Test on equipment as per manufacturer's instructions.

<p>16.7.4 Insulation tests.</p> <p>16.8 At the completion of the on-site tests, the Project Manager or Supervisor or his representative shall either sign the tests sheets (supplied by the Contractor) as having witnessed the satisfactory completion thereof, or hand to the Contractor a list of defects requiring rectification.</p> <p>16.9 Upon rectification of defects, the Contractor shall arrange for the Project Manager or Supervisor or his representative to certify satisfactory completion of on-site tests.</p> <p>16.10 Acceptance by the Project Manager or Supervisor of satisfactory completion of on-site tests in no way relieves the Contractor of his obligation to rectify defects which may have been overlooked or become evident at a later stage.</p> <p>17.0 COMMISSIONING OF EQUIPMENT</p> <p>17.1 Commissioning will only take place after all defects have been rectified to the satisfaction of the Project Manager or Supervisor.</p> <p>17.2 On completion of commissioning, the Contractor will hand the equipment over to the Project Manager or Supervisor in terms of the relevant instruction.</p> <p>17.3 The commissioning of protection equipment by Transnet Freight Rail will in no way absolve the Contractor from any of his responsibilities during the guarantee period.</p> <p>17.4 It is the Contractor's responsibility to satisfy himself or herself that the commissioning of the protection equipment has been carried out in a satisfactory manner, and in no way compromises the proper operation of</p>		
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<p>the equipment supplied in terms of the contract.</p> <p>17.5 The Contractor shall be present during the testing and setting of the protection to rectify any faults found.</p> <p>18.0 GUARANTEE AND DEFECTS</p> <p>18.1 The Contractor shall guarantee the satisfactory operation of the complete electrical installation supplied and erected by him and accept liability for maker's defects that may appear in design, materials and workmanship.</p> <p>18.2 The Contractor shall be issued with a completion certificate with the list of all defects to be repaired within 14 working days after commissioning.</p> <p>18.3 The guarantee period for these standby plants shall expire after: A period of 12 months commencing on the date of completion of the contract or the date the standby plant was handed over to Transnet Freight Rail.</p> <p>18.4 Any defects that may become apparent during the guarantee period shall be rectified to the satisfaction of Transnet Freight Rail, and to the account of the Contractor.</p> <p>18.5 The Contractor shall undertake work on the rectification of any defects that may arise during the guarantee period within 7-days of him being notified by Transnet Freight Rail of such defects.</p> <p>18.6 Should the Contractor fail to comply with the requirements stipulated above, Transnet Freight Rail shall be entitled to undertake the necessary repair work or effect replacement of defective apparatus or materials, and the Contractor shall reimburse Transnet Freight Rail the total cost of such repair or replacements, including the labour costs incurred in replacing defective material.</p>		
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<p>18.7 Any specific type of fault occurring three times within the guarantee period and which cannot be proven to be due to other faulty equipment not forming part of this contract e.g., faulty locomotive or overhead track equipment, etc., shall automatically be deemed an inherent defect. Such inherent defect shall be fully rectified to the satisfaction of the Project Manager or Supervisor and at the cost of the Contractor.</p> <p>18.8 If urgent repairs have to be carried out by Transnet Freight Rail staff to maintain supply during the guarantee period, the Contractor shall inspect such repairs to ensure that the guarantee period is not affected and should they be covered by the guarantee, reimburse Transnet Freight Rail the cost of material and labour.</p> <p>19.0 QUALITY AND INSPECTION</p> <p>19.1 Transnet Freight Rail shall inspect the equipment under contract on the premises of the Manufacturer or successful Contractor.</p> <p>19.2 The Contractor shall notify Transnet Freight Rail 14 days in advance of such an inspection date.</p> <p>19.3 The Contractor shall apply 14 days in advance for the date of energizing and ensure that all work is completed before any commissioning can take place.</p> <p>19.4 The Contractor shall be responsible to issue a compliance certificate in terms of SANS 0142 for each site before energizing of the equipment shall take place.</p>		
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<p>20.0 Specifications</p> <p>20.1 South African National Standards:</p> <p>20.1.1 SANS 121 Hot Dip Galvanised Coating for Fabricated Iron or Steel Article.</p> <p>20.1.2 SANS 1019 Standard voltages, currents and insulation levels for electricity supply.</p> <p>20.1.3 SANS 1091 National Colour Standard.</p> <p>20.1.4 SANS 1222 Enclosure for Electrical Equipment.</p> <p>20.1.5 SANS 1507 Electric cables with extruded solid dielectric insulation for fixed installations. (300/500V to 1900/3,300V) Part 1</p> <p>20.1.6 SANS 10142-1 The wiring of premises. Part 1</p> <p>20.2 Transnet Freight Rail Specifications/Engineering Instructions</p> <p>20.2.1 BBB 5452 Transnet freight rail requirements for installation of electrical equipment for 3 kV DC substations.</p> <p>20.2.2 BBB 2721 version 10 AC Primary Circuit Breaker Control Panel and AC/DC</p>		
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<p>Distribution Panel for 3kV DC Traction substation.</p> <p>20.2.3 CEE-TBD-0007 Earthing arrangement for traction substations.</p> <p>20.2.4 BBB 4724 version 4 Positive Isolator switch for 3kv DC Traction substations.</p> <p>20.2.5 BBB 3005 version 1 3kv DC undervoltage relay manufacturing specification.</p> <p>20.2.6 BBC 0198 version 1 Specifications for the supply of cables.</p> <p>20.2.7 CEE.0023.90 Specifications for installation of cables.</p> <p>20.2.8 CEE.0045.2002/1 Painting of steel Components of Electrical Equipment.</p> <p>20.2.9 CEE.0183.2002 Hot dip galvanising and painting of electrical equipment.</p> <p>20.2.10 CEE.0224.2002 Drawings, catalogues, instruction manuals and spares list for electrical equipment supplied under</p> <p>Contract</p>		
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<p>20.2.11 BBB 3620 3kV Earthing arrangement system for high voltage outdoor yards.</p> <p><u>NOTE: Any other specifications referenced in the above mentioned specification, will be for information purposes and may be provided on request.</u></p> <p>20.3 Occupational Health and Safety Act No. 85 of 1993 (Available at depot for referral)</p> <p>21.0 Constraints on how the <i>Contractor</i> Provides the Works</p> <p>21.1 The constraints shall be as specified in the specifications of the particular equipment.</p> <p>22.0 Requirements for the programme</p> <p>22.1 Programme of work : To be submitted by successful Contractor</p> <p>22.2 BIDD rating : 2EPPE OR 3EP and above</p> <p>22.3 Format : Bar chart</p> <p>22.4 Information : How work is going to be executed and commissioned</p> <p>22.5 Submission : Not Applicable</p> <p>22.6 Site diary : Successful Contractor to supply in triplicates carbon copies</p> <p>22.7 Site instruction book : Successful Contractor to supply in triplicates carbon copies</p> <p>23.0 Services and other things provided by the <i>Employer</i></p>		
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<p>23.1 Transnet Freight Rail shall have an electrician available for isolation and the erection of barriers to live electrical equipment and issuing of work permits.</p> <p>23.2 Upon successful completion of the works to the satisfaction of Transnet Freight Rail, Transnet Freight Rail shall perform necessary protection tests and commission the equipment</p>		
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Part C1: Agreement and Contract Data

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Transnet Freight Rail
A Division of Transnet SOC Ltd
Enquiry Number: SIM16000CIDB
Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

Part C1: Form of Offer & Acceptance

preview copy

C1.1 Form of Offer & Acceptance

Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of:

SUPPLY, INSTALL, TEST AND COMMISSION SF6 GAS FILLED PRIMARY CIRCUIT BREAKERS FOR 3kV TRACTION SUBSTATION UNDER THE CONTROL OF THE DEPOT ENGINEER, ISANDO

The tenderer, identified in the Offer signature block, has examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance the tenderer offers to perform all of the obligations and liabilities of the *Contractor* under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the *conditions of contract* identified in the Contract Data.

The offered total of the Prices exclusive of VAT is	R
Value Added Tax @ 14% is	R
The offered total of the Prices inclusive of VAT is	R
(in words)	

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the *Contractor* in the *conditions of contract* identified in the Contract Data.

Signature(s) _____
Name(s) _____
Capacity _____
For the tenderer: _____

(Insert name and address of organisation)

Name &
signature of
witness:

Date:

CIDB Registration no.



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Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the Employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work: Works Information
Part C4	Site Information

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The tenderer shall within two weeks of receiving a completed copy of this agreement including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data at, or just after, the date this agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a breach of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives a fully completed original copy of this document, including the Schedule of Deviations (if any).

Unless the tenderer (now *Contractor*) within five working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the Parties.

Signature(s)

Name(s)

Capacity

**for the
Employer**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Note: If a tenderer wishes to submit alternative tenders, use another copy of this Form of Offer and Acceptance.



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Schedule of Deviations

Note:

1. To be completed by the Employer prior to award of contract. This part of the Offer & Acceptance would not be required if the contract has been developed by negotiation between the Parties and is not the result of a process of competitive tendering.
2. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
3. A tenderer's covering letter must not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid be the subject of agreement reached during the process of Offer and Acceptance, the outcome of such agreement shall be recorded here and the final draft of the contract documents shall be revised to incorporate the effect of it.

No.	Subject	Details
1		
2		
3		
4		
5		
6		
7		

By the duly authorised representatives signing this Schedule of Deviations below, the Employer and the tenderer agree to and accept this Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and any addenda hereto listed in the Tender Schedules, as well as any confirmation, clarification or changes to the terms of the Offer agreed by the tenderer and the Employer during this process of Offer and Acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Form shall have any meaning or effect in the contract between the parties arising from this Agreement.

For the tenderer:

For the Employer

Signature _____

Name _____

Capacity _____
(Insert name and address of organisation)

On behalf of _____

Name & signature of witness _____

Date _____

Transnet Freight Rail

A Division of Transnet SOC Ltd

Enquiry Number: SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

Part C1.2: Contract Data

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C1.2 Contract Data

Data provided by the *Employer*

Please read the relevant clauses in the NEC3 Engineering and Construction Short Contract (June 2005) (ECSC3)¹ before you enter data. The number of the principal clause is shown for most statements however other clauses may also use the same data.

Clause	Statement	Data
General		
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option and secondary Options	B: Priced contract with bill of quantities
	of the NEC3 Engineering and Construction Contract June 2005 (amended June 2006 and April 2013) ²	
10.1	The <i>Employer</i> is Address Having elected its Contractual Address for the purposes of this contract as:	Transnet SOC Ltd Registered address: 49 th Floor, Carlton Centre 150 Commissioner Street Johannesburg Transnet Freight Rail Inyanda house 2 15 Girtton road Parktown Johannesburg
	Tel No.	011 570 7231
11.2(11)	The <i>works</i> are	Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3Kv Traction Substation under the control of the Depot Engineer, Isando
11.2(13)	The Works Information is in	The document called 'Scope of Work' in Part C3 of this contract.
11.2(12)	The Site Information is in	The document called 'Site Information' in Part C4 of this contract.

¹ Available from Engineering Contract Strategies Tel 012 315 2059, Fax 012 3152134.

11.2(12)	The <i>site</i> are	Arbor, Plaats and Aurum 3Kv SUBSTATION
30.1	The <i>starting date</i> is	TBA
11.2(2)	The <i>completion date</i> is	TBA
13.2	The <i>period for reply</i> is	2weeks
14.4	The <i>Employer's</i> representative is (name)	Themba Makhubela or Michael Mbhiza
	Address	6th Floor, Goods Building, 1 Anvil Road, Isando
	Tel No.	011 570 7231 / 078 392 5425
	Fax No.	011 570 7587
	The authority of the <i>Employer's</i> representative is	The <i>Employer's</i> representative is delegated to carry out all the actions of the <i>Employer</i> as stated in this contract with the exception of those required by clause 51.1, 81.1, 90, 91, 92 & 93
40	The <i>defects date</i> is	Weeks after completion
41.3	The <i>defect correction period</i> is	2weeks
50.1	The <i>assessment day</i> is on the	13th of each month
50.5	The <i>delay damages</i> are	R2000.00 per day
50.6	The retention is	1% on all payments certified.
51.1	The <i>currency</i> of this contract is	South African Rand.
51.2	The period within which payments are made	30 days within receipt of the VAT invoice, certified by the Project Manager.
51.4	The interest rate on late payment is	The prime lending rate of the Standard Bank of South Africa.
82.1	The <i>Employer</i> provides this insurance	
	1 Insurance against:	Loss of or damage to the <i>works</i>, Plant and Materials is as stated in the PCI insurance policy for Contract Works/ Public Liability.
	Cover / indemnity:	to the extent as stated in the PCI insurance policy for Contract Works / Public Liability
	The deductibles are:	as stated in the PCI insurance policy for Contract Works / Public Liability (Principal Controlled Insurance)
	2 Insurance against:	Loss of or damage to property (except the <i>works</i>, plant, materials & equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Contractor</i>) arising out of or in connection with the PCI performance of the Contract as stated in the insurance policy for Contract Works / Public Liability

	Cover / indemnity	Is to the extent as stated in the PCI insurance policy for Contract Works / Public Liability
	The deductibles are	as stated in the PCI insurance policy for Contract Works / Public Liability
	3 Insurance against:	Loss of or damage to Equipment (Temporary Works only) as stated in the PCI insurance policy for contract Works and Public Liability
	Cover / indemnity	Is to the extent as stated in the PCI insurance policy for Contract Works / Public Liability
	The deductibles are:	As stated in the PCI insurance policy for Contract Works / Public Liability
	4 Insurance against:	Contract Works SASRIA insurance subject to the terms, exceptions and conditions of the SASRIA coupon
	Cover / indemnity	Cover / indemnity is to the extent provided by the SASRIA coupon
	The deductibles are	As stated in the PCI insurance policy for Contract Works / Public Liability
82.1	<p>The minimum limit of indemnity for insurance in respect of death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract for any one event</p> <p>The <i>Contractor</i> provides these additional Insurances</p>	<p>The <i>Contractor</i> must comply at a minimum with the provisions of the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 as amended.</p> <ol style="list-style-type: none"> Where the contract requires that the design of any part of the <i>works</i> shall be provided by the <i>Contractor</i> he shall satisfy the Employer that professional indemnity insurance cover in connection therewith has been affected Where the contract involves manufacture, and/or fabrication of Plant & Materials, components or other goods to be incorporated into the <i>works</i> at premises other than the site, the <i>Contractor</i> shall satisfy the Employer that such plant & materials, components or other goods for incorporation in the <i>works</i> are adequately insured during manufacture and/or fabrication and transportation to the site. Should the Employer have an insurable interest in such items during manufacture, and/or fabrication, such interest shall be noted by endorsement to the <i>Contractor's</i> policies of insurance as well as those of any subcontractor

4. **Motor Vehicle Liability Insurance** comprising (as a minimum) "Balance of Third Party" Risks including **Passenger and Unauthorised Passenger Liability** indemnity with a minimum indemnity limit of R5,000,000
5. The insurance coverage referred to in 1, 2, 3 and 4 above shall be obtained from an insurer(s) in terms of an insurance policy approved by the *Employer*. The *Contractor* shall arrange with the insurer to submit to the *Project Manager* the original and the duplicate original of the policy or policies of insurance and the receipts for payment of current premiums, together with a certificate from the insurer or insurance broker concerned, confirming that the policy or policies provide the full coverage as required. The original policy will be returned to the *Contractor*

93.1	The <i>Adjudicator</i> is	Both parties will agree as and when a dispute arises. If the parties cannot reach an agreement on the <i>Adjudicator</i> , the chairman of the Association of Arbitrators will appoint an <i>Adjudicator</i> .
93.2(2)	The <i>Adjudicator nominating body</i> is:	The Association of Arbitrators (Southern Africa)
93.4	The <i>tribunal</i> is:	Arbitration
If the tribunal is arbitration complete this data.	The <i>arbitration procedure</i> is	The Rules for the Conduct of Arbitrations of the Association of Arbitrators (Southern Africa)
	The place where arbitration is to be held is	Johannesburg
	The person or organisation who will choose an arbitrator	
	<ul style="list-style-type: none"> - if the Parties cannot agree a choice or - if the arbitration procedure does not state who selects an arbitrator, is 	The Chairman of the Association of Arbitrators (Southern Africa)

Data provided by the *Contractor* (the *Contractor's Offer*)

The tendering contractor is advised to read both the NEC3 Engineering and Construction Short Contract (June 2005) and the relevant parts of its Guidance Notes (ECSC3-GN)³ in order to understand the implications of this Data which the tenderer is required to complete. An example of the completed Data is provided on page 26 of the ECSC3 Guidance Notes.

Completion of the data in full is essential to create a complete contract.

10.1 The *Contractor* is (Name):

Address

Tel No.

Fax No.

E-mail address

63.2 The percentage for overheads and profit added to the Defined Cost for people is %

63.2 The percentage for overheads and profit added to other Defined Cost is %

11.2(9) The Price List is in the document called 'Price List' in Part 2 of this contract.

11.2(10) The offered total of the Prices is R excluding VAT
[Enter the total of the Prices from the Price [in words] excluding VAT
List]:

³ Available from Engineering Contract Strategies Tel 011 803 3008, Fax 011 803 3009.

PART 2: PRICING DATA

Document reference	Title	No of pages
C2.1	Pricing instructions: Option B	2
C2.2	The <i>Price List</i>	6

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C2.1 Pricing instructions: Option B

1. The conditions of contract

1.1. How the contract prices work and assesses it for progress payments

Clause 11 in NEC3 Engineering and Construction Short Contract, June 2005 (ECSC) Option B states:

Identified and defined terms	11	
	11.2	<p>(21) The Price List is the <i>price list</i> as changed in accordance with this contract to accommodate implemented compensation events and for accepted quotations for acceleration.</p> <p>(22) Defined Cost is the cost of the components in the Shorter Schedule of Cost Components whether work is subcontracted or not excluding the cost of preparing quotations for compensation events.</p> <p>(28) The Price for Work Done to Date is the total of</p> <ul style="list-style-type: none"> the quantity of the work which the <i>Contractor</i> has completed for each item in the Price List multiplied by the rate and a proportion of each lump sum which is the proportion of the work covered by the item which the <i>Contractor</i> has completed <p>Completed work is work without Defects which would either delay or be covered by immediately following work.</p> <p>(31) The Prices are the lump sums and the amounts obtained by multiplying the rates by the quantities for the items in the Price List.</p>

This confirms that Option B is a re-measurement contract and the price comprises only items measured using quantities and rates or stated as lump sums. Value related items are not used. Time related items are items measured using rates where the rate is a unit of time.

1.2. Function of the Price List

Clause 55.1 in Option B states, "Information in the Price List is not Works Information or Site Information". This confirms that instructions to do work or how it is to be done are not included in the Price, but in the Works Information. This is further confirmed by Clause 20.1 which states, "The *Contractor* Provides the Works in accordance with the Works Information". Hence the *Contractor* does **not** Provide the Works in accordance with the Price List. The Price List is only a pricing document.

1.3. Guidance before pricing and measuring

Employers preparing tenders or contract documents, and tendering contractors are advised to consult the sections dealing with the price list in the NEC3 Engineering and Construction Short Contract (June 2005) Guidance Notes before preparing the *price list* or before entering rates and lump sums into the *price*.

Historically price list based contracts in South Africa have been influenced by the different approaches of the civil engineering and building sectors of the industry through their respective discipline based standard forms of contract and methods of measurement. This is particularly apparent in the approach to the Preliminary and General price. On the other hand, because ECSC caters for a number of disciplines in the same contract, including electrical works, a different approach not currently found in local methods of measurement to the Preliminary & General price items may have been used.

The NEC approach to the P & G price assumes use will be made of method related charges for Equipment

applied to Providing the Works based on durations shown in the Accepted Programme, fixed charges for the use of Equipment that is required throughout the construction phase, time related charges for people working in a supervisory capacity for the period required, and lump sum charges for other facilities or services not directly related to performing work items typically included in other parts of the price.

2. Measurement and payment

2.1. Symbols

The units of measurement described in the Price List are metric units abbreviated as follows:

Abbreviation	Unit
%	percent
h	hour
ha	hectare
kg	kilogram
kl	kilolitre
km	kilometre
km-pass	kilometre-pass
kPa	kilo Pascal
kW	kilo Watt
l	litre
m	metre
mm	millimetre
m ²	square metre
m ² -pass	square metre pass
m ³	cubic metre
m ³ -km	cubic metre-kilometre
MN	mega Newton
MN.m	mega Newton-metre
MPa	mega Pascal
No.	number
Prov sum ¹	provisional sum
PC-sum	prime cost sum
R/only	Rate only
sum	Lump sum
t	ton (1000kg)
W/day	Work day
Ea	Each

¹ Provisional Sums should not be used unless absolutely unavoidable. Rather include specifications and associated price items for the most likely scope of work, and then change later using the compensation event procedure if necessary. This is because tenderers cannot programme effectively for unknown scopes of work



Transnet Freight Rail

A Division of Transnet SOC Ltd

Enquiry Number: SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

2.2. General assumptions

- 2.2.1. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance has been made in the quantities for waste.
- 2.2.2. The Prices and rates stated for each item in the Price List shall be treated as being fully inclusive of all work, risks, liabilities, obligations, overheads, profit and everything necessary as incurred or required by the *Contractor* in carrying out or providing that item.
- 2.2.3. Clause 63.13 in Option B provides that these rates and Prices may be used as a basis for assessment of compensation events instead of Defined Cost.
- 2.2.4. Where this contract requires detailed drawings, designs or other information to be provided, and no rates or prices are included in the *price* specifically for such matters, then the *Contractor* is deemed to have allowed for all costs associated with such requirements within the tendered rates and Prices in the Price List.
- 2.2.5. An item against which no Price is entered will be treated as covered by other Prices or rates in the *price list*. If a number of items are grouped together for pricing purposes, this will be treated as a single lump sum.
- 2.2.6. The quantities contained in the Price List may not be final and do not necessarily represent the actual amount of work to be done. The quantities of work assessed and certified for payment by the *Project Manager* at each assessment date will be used to determine payments due and not the quantities given in the Price List.
- 2.2.7. The short descriptions of the items of payment given in the *Price List* are only for the purposes of identifying the items. More detail regarding the extent of the work entailed under each item is provided in the Works Information.



C2 Pricing Data

C2.1 Pricing Instructions

Entries in the first four columns in the Price List are made either by the *Employer* or the tenderer.

If the *Contractor* is to be paid an amount for the item which is not adjusted if the quantity of work in the item changes, the tenderer enters the amount in the Price column only; the Unit, Quantity and Rate columns being left blank.

If the *Contractor* is to be paid an amount for the item of work which is the rate for the work multiplied by the quantity completed, the tenderer enters the rate which is then multiplied by the expected quantity to produce the Price, which is also entered.

All Prices are to be shown excluding VAT unless instructed otherwise by the *Employer* in Tender Data or in an instruction the *Employer* has given before the tenderer enters his Prices.

If there is insufficient space in the Price List which follows, state in which document the Price is contained

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C2.2 Price List

Contract Data Price List					
Item	Description	Unit	Qty	Rate	Price
A	Arbor kV Substation (Double unit substation)				
1	Dismantle, remove, and transport all old equipment from site to Sentrara depot.	sum	1		
2	Supply and install 21 core 2.5 mm ² from the PCB control cabinet to control panel inside the substation.	m	60		
3	Supply and install Two core 4 mm ² size cable from the PCB control cabinet to control panel inside the substation.	m	60		
4	Supply and install the flying jumper cable 500 mm ² from the PCB to Main traction Transformer bushings	m	24		
5	Modify the support structure for the new SF6 gas filled primary circuit breakers	ea	2		
6	Supply and deliver high voltage SF6 gas filled 88 kV primary circuit breakers with its associated operating box	ea	2		
7	Electrically connect the new installed equipment to the existing earth system	ea	2		
8	Installation, Testing and Pre-commissioning	sum	1		
9	P's & G's	sum	1		
10	Security	sum	1		
A	Total Price =		R		
B	SUB TOTAL (A+B) =		R		
C	VAT (14% of C) =		R		
D	Gross Total (C+D) =		R		



Contract Data						
Price List						
Item	m	Description	Unit	Qty	Rate	Price
A		Plaats 3kV Substation				
1		Dismantle, remove, and transport all old equipment from site to Sentrara depot.	sum	1		
2		Supply and install 21 core 2.5 mm2 from the PCB control cabinet to control panel inside the substation.	m	60		
3		Supply and install Two core 4 mm2 size cable from the PCB control cabinet to control panel inside the substation.	m	60		
4		Supply and install the flying jumper cable 500 mm2 from the PCB to Main traction Transformer bushings	m	24		
5		Modify the support structure for the new SF6 gas filled primary circuit breakers	ea	2		
6		Supply and deliver high voltage SF6 gas filled 80 kV primary circuit breakers with associated operating mechanism	ea	2		
7		Electrically connect the new installed equipment to the existing earth system	ea	2		
8		Installation, Testing and Pre-commissioning.	sum	1		
9		P's & G's	sum	1		
10		Security	sum	1		
A		Total Price =			R	
B		SUB TOTAL (A+B) =			R	
C		VAT (14% of C) =			R	
D		Gross Total (C+D) =			R	



Contract Data

Price List

Item	m	Description	Unit	Qty	Rate	Price
A		Aurum 3kV Substation				
1		Dismantle, remove, and transport all old equipment from site to Sentrara depot.	sum	1		
2		Supply and install 21 core 2.5 mm ² from the PCB control cabinet to control panel inside the substation.	m	60		
3		Supply and install Two core 4 mm ² size cable from the PCB control cabinet to control panel inside the substation.	m	60		
4		Supply and install the flying jumper cable 500 mm ² from the PCB to Main traction Transformer bushings	m	24		
5		Modify the support structure for the new SF6 gas filled primary circuit breakers	ea	2		
6		Supply and deliver high voltage SF6 gas filled 38.5 kV primary circuit breakers with associated operating box	ea			
7		Electrically connect the new installed equipment to the existing earth system	ea	2		
8		Installation, Testing and Pre-commissioning.	sum	1		
9		P's & G's	sum	1		
10		Security	sum	1		
A		Total Price =		R		
B		SUB TOTAL (A+B) =		R		
C		VAT (14% of C) =		R		
D		Gross Total (C+D) =		R		



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Transnet Freight Rail

A Division of Transnet SOC Ltd

Enquiry Number: SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

Part C3: Scope of Work

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Transnet Freight Rail
 A Division of Transnet SOC Ltd
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 Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation
 under the control of the Depot Engineer, Isando

Contract Data

Works Information

1 Description of work

1.1 SF6 Gas filled Primary Circuit Breakers

- 1.1.1 The Contractor shall disconnect, dismantle and remove primary circuit breakers from sites and transport them to Sentrara Infrastructure depot.
- 1.1.2 Cast concrete foundations for the support steel structure for the new SF6 gas filled primary circuit breakers where the existing one cannot be used.
- 1.1.3 Provide and install support steel structure for the new SF6 gas filled primary circuit breakers where the existing one cannot be used.
- 1.1.4 Supply, deliver, install and connect the new high voltage SF6 gas filled primary circuit breakers with its associated operating box.
- 1.1.5 The front of the circuit breaker operating mechanism box shall face the main transformer
- 1.1.6 Electrically connect the newly installed equipment to the existing earth system.
- 1.1.7 Test, commission and hand over the equipment.

2 Concrete foundations

- 2.1 The contractor shall be responsible for the casting of foundation for support steel structure for the new SF6 gas filled primary circuit breakers where the existing one cannot be used.
- 2.2 The contractor shall carry out his own survey in regard to soil types and their load bearing capabilities.
- 2.3 The 28-day strength of all concrete used shall be minimum 20MPa.
- 2.4 The contractor shall arrange the sampling and testing of all concrete used, and shall submit full records to the Technical Officer. Transnet Freight Rail reserves the right to undertake testing of concrete samples and the contractor shall furnish test cubes if requested by the Technical Officer.
- 2.5 Hand mixed concrete is not acceptable, it must be mechanically mixed.
- 2.6 The additional of water to concrete mix reduces the strength of that concrete very significantly and on no account shall water be added to a mix after test cubes have been taken.
- 2.7 Foundations shall be fished of 200mm above the finished earth level of the yard, as to prevent standing water.

3 Steelworks

- 3.1 Supply and installation of all steel structures for the support equipment and tensioning of conductors shall be the responsibility of the contractor.
- 3.2 The manufacture of any steelworks shall not take place prior to the approval of designs drawings by the Technical Officer.
- 3.3 All fasteners (bolts and nuts) shall be secured using flat as well as lock washers.

4 Primary Circuit Breakers

- 4.1 The SF6 circuit breakers shall comply with SABS IEC 56 and Transnet specification BBB 1267.
- 4.2 The circuit breaker shall have a motor wound spring operating mechanism.
- 4.3 A visual mechanical indicating device shall be provided to indicate the state of spring and shall be inscribed " Spring Charged" when the mechanism is in the condition to close the circuit breaker and "Spring Free" when it is any other condition.
- 4.4 The springs shall recharge automatically after the completion of a closing operation.
- 4.5 Each circuit breaker shall be provided with labels to indicate the breakers designation and telecontrol code. TFO (Technical Officer) will supply these designations and telecontrol codes.
- 4.6 The proposed labelling must be submitted to the Technical Officer for approval prior to the manufacture of the labels.
- 4.7 The low gas protection shall be wired into the existing control circuitry.

5 The contractor must make sure the circuit breaker trips under the following conditions:

- 5.1 Main transformer over temperature.
- 5.2 Main transformer overload
- 5.3 Rectifier over –temperature
- 5.4 Rectifier fan failure.
- 5.5 Auxiliary transformer overload.



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6 The circuit breaker shall trip and lockout in the open position under the following conditions:

- 6.1 Main transformer Buchholz operation.
- 6.2 Auxiliary transformer Buchholz operation
- 6.3 Attenuation failure.
- 6.4 A.C earth leakage
- 6.5 D.C earth leakage
- 6.6 110 V DC failure
- 6.7 Low SF6 gas pressure.

7 Cabling and wiring

- 7.1 All cables entering the control equipment shall be block jointed (100mm of armouring to be removed) above the ground. The block jointing shall be done before the cables are installed into the control equipment building. The block joint shall be covered by heatshrink sleeve.
- 7.2 All cables shall terminate in compression type glands. These glands shall be fitted with neoprene glands.
- 7.3 Cables and earthing conductors connected to equipment installed on steel support structures shall be supported on the steel structure vertically and horizontally by means of a cable tray. This cable tray shall be of the O-Line GS50 Gridspan Wire Mesh type or similar with the wire mesh having a diameter of 4mm and a hot dip galvanised finish.
- 7.4 The cables shall be fixed to the cable trays using UV stabilised cable ties.
- 7.5 All dissimilar metal connections (Cu to Al) shall be made using bi-metallic clamps that are specifically designed and manufactured to make that particular connection (ad hoc fabricated clamps are not acceptable).
- 7.6 All copper connections to steel (galvanised) shall be tinned.

8 Earthing

- 8.1 The support steelwork for the circuit breakers and current transformers shall be connected to the existing substation earth mat in accordance to drawing No. CEE-TBD-7.
- 8.2 The resistance between the outdoor yard steelwork, when connected in parallel, and be supplied and installed between the steelwork and the holding down bolts.

9 Disposal and Treatment of oil and oil circuit breakers



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- 9.1 The collection, handling and disposal of oil from the OCBs and the circuit breakers shall be done in a safe and environmentally sound manner.
- 9.2 Unless any equipment to be replaced containing oil is clearly certified PCB free, the contractor shall test or make arrangements for the testing of the circuit breaker oil for Polychlorinated Biphenyls (PCBs) before replacing the OCBs and submit the results to Transnet.
 - 9.2.1 This will be done by first conducting preliminary screening chlorine tests and where the levels of chlorine presence are above 50ppm, further detailed PCB tests and analyses shall be conducted.
 - 9.2.2 The units with levels of contamination less than 50 ppm Chlorine shall be disposed of following the normal disposal procedure.
 - 9.2.3 Any units with residual PCB pollution, or oils contaminated to a level greater than 50ppm Chlorine shall be treated as PCB ITEMS.
 - 9.2.3.1 PCB items shall be disposed of in a manner meeting all regulatory approvals pertaining to hazardous waste. The disposal process shall be to the written approval of Transnet and the Department of Environmental Affairs, and may include incineration at an approved (foreign) facility or encapsulation at a registered HH waste site. Incineration at an approved foreign facility, meeting all requirements of the Basel Convention is the disposal option preferred by Transnet.
- 9.3 The soil around the circuit breakers that has been polluted as a result of current or past leakage of oil shall be remediated. Remediation of polluted soils not containing PCB's may be conducted in-situ in the case of light contamination (total petroleum hydrocarbon (tph) <1000 ppm). Alternative methods of bioremediation, land farming or off-site disposal of such contaminated soils shall be considered and implemented for soil material contaminated to a concentration >1000 tph.
 - 9.3.1 All PCB contamination in the ground if encountered and exceeding the 50 ppm limit shall be removed and disposed of in a manner approved by Transnet, in line with the directives for PCB items as specified above.
- 9.4 The costs for the screening chlorine test and provisional analyses of oils and soil for PCB's, the tests and analyses of soil to determine tph levels where spillages has occurred, must be furnished separately by the tenders.
 - 9.4.1 The tender shall provide a provisional method statement and cost for the legal disposal of PCB items, such methodology and costing becoming applicable only in the event of PCB items requiring disposal as specified being required.
- 9.5 Approved degreasing agents on concrete surfaces shall be used, if required.
- 9.6 Some of the old circuit breakers that are not contaminated will be kept as spares for maintenance purposes. These must be left at a site indicated by Transnet.



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10 Testing and Commissioning

- 10.1 All pre-commissioning tests shall be performed by the contractor. Transnet reserves the right to witness these tests.
- 10.2 The contractor shall supply all test equipment and instruments.
- 10.3 Transnet shall be notified at least 14 days prior to performing these tests.
- 10.4 Transnet shall perform final commissioning tests.
- 10.5 Acceptance by the Technical Officer of satisfactory completion of on-site tests in no way relieves the contractor of his obligation to rectify defects which may have been overlooked or become evident at a later stage.

11 Quality Assurance

- 11.1 All major equipment shall be subject to quality control tests and inspections.
- 11.2 A Transnet representative/s shall witness these tests.

12 Drawings, maintenance and instruction manuals

- 12.1 The following drawings shall be supplied by the contractor.
 - 12.1.1 Two prints each of design drawings shall be submitted for approval to the Technical Officer prior to the commencement of work or manufacture of any equipment. This includes circuit diagrams, design for foundations and support steelwork.
 - 12.1.2 Three sets of maintenance and instruction manuals complete with "as built" drawings of the equipment installed shall be provided per equipment type and rating, per maintenance depot. One copy of each of these must be available at the commissioning and handing over of equipment.

13 Guarantee

- 13.1 The contractor shall undertake to attend to any defects during the guarantee period within two days after notification.

14 Documents to be submitted

- 14.1 Tenderers shall submit a clause by clause statement of compliance to the specification. A general comment of compliance to all will not be accepted. Where the requirements of these specifications are not complied with, tenderers shall submit full details of the alternative being offered.



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A Division of Transnet SOC Ltd

Enquiry Number: SIM16000CIDB

Description of the works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers for 3kV Traction Substation under the control of the Depot Engineer, Isando

15 SITE TESTS

- 15.1 The equipment shall be inspected/tested and approved by Transnet Freight Rail Quality Assurance at the Contractor's workshop prior to it being taken to site. Only once the approval has been granted can the equipment be taken to site for installation.
- 15.2 The Contractor shall be responsible for carrying out of on-site tests and commissioning of all equipment supplied and installed in terms of this specification and the contractual agreement.
- 15.3 Functional on-site tests shall be conducted on all items of equipment and circuitry to prove the proper functioning and installation thereof.
- 15.4 The Contractor shall submit a detailed list of on-site tests for the approval of the Project Manager or Supervisor.
- 15.5 The Contractor shall arrange for the Supervisor or his representative to be present to witness the on-site tests.
- 15.6 The on-site tests and subsequent commissioning will not commence until ALL CONSTRUCTION work has been completed. Construction start material and equipment shall be removed from site prior to the commencement of testing. Testing and commissioning of the power plants equipment will not be allowed to take place in a construction site environment.
- 15.7 The on-site tests shall include the following:
 - 15.7.1 Test for the functionality of all electrical circuitry.
 - 15.7.2 Trip tests on relay.
 - 15.7.3 Test on equipment as per manufacturer's instructions.
 - 15.7.4 Insulation tests.
- 15.8 At the completion of the on-site tests, the Project Manager or Supervisor or his representative shall either sign the tests sheets (supplied by the Contractor) as having witnessed the satisfactory completion thereof, or hand to the Contractor a list of defects requiring rectification.
- 15.9 Upon rectification of defects, the Contractor shall arrange for the Project Manager or Supervisor or his representative to certify satisfactory completion of on-site tests.
- 15.10 Acceptance by the Project Manager or Supervisor of satisfactory completion of on-site tests in no way relieves the Contractor of his obligation to rectify defects which may have been overlooked or become evident at a later stage.

16 COMMISSIONING OF EQUIPMENT

- 16.1 Commissioning will only take place after all defects have been rectified to the satisfaction of the Project Manager or Supervisor.
- 16.2 On completion of commissioning, the Contractor will hand the equipment over to the Project Manager or Supervisor in terms of the relevant instruction.

- 16.3 The commissioning of protection equipment by Transnet Freight Rail will in no way absolve the Contractor from any of his responsibilities during the guarantee period.
- 16.4 It is the Contractor's responsibility to satisfy himself or herself that the commissioning of the protection equipment has been carried out in a satisfactory manner, and in no way compromises the proper operation of the equipment supplied in terms of the contract.
- 16.5 The Contractor shall be present during the testing and setting of the protection to rectify any faults found.

17 GUARANTEE AND DEFECTS

- 17.1 The Contractor shall guarantee the satisfactory operation of the complete electrical installation supplied and erected by him and accept liability for maker's defects that may appear in design, materials and workmanship.
- 17.2 The Contractor shall be issued with a completion certificate with the list of all defects to be repaired within 14 working days after commissioning.
- 17.3 The guarantee period for these standby plants shall expire after a period of 12 months commencing on the date of completion of the contract or the date the standby plant was handed over to Transnet Freight Rail.
- 17.4 Any defects that may become apparent during the guarantee period shall be rectified to the satisfaction of Transnet Freight Rail, and to the account of the Contractor.
- 17.5 The Contractor shall undertake work on the rectification of any defects that may arise during the guarantee period within 7-days of him being notified by Transnet Freight Rail of such defects.
- 17.6 Should the Contractor fail to comply with the requirements stipulated above, Transnet Freight Rail shall be entitled to undertake the necessary repair work or effect replacement of defective apparatus or materials, and the Contractor shall reimburse Transnet Freight Rail the total cost of such repair or replacements, including the labour costs incurred in replacing defective material.
- 17.7 Any specific type of fault occurring three times within the guarantee period and which cannot be proven to be due to other faulty equipment not forming part of this contract e.g., faulty locomotive or overhead track equipment, etc., shall automatically be deemed an inherent defect. Such inherent defect shall be fully rectified to the satisfaction of the Project Manager or Supervisor and at the cost of the Contractor.
- 17.8 If urgent repairs have to be carried out by Transnet Freight Rail staff to maintain supply during the guarantee period, the Contractor shall inspect such repairs to ensure that the guarantee period is not affected and should they be covered by the guarantee, reimburse Transnet Freight Rail the cost of material and labour.

18 QUALITY AND INSPECTION

- 18.1 Transnet Freight Rail shall inspect the equipment under contract on the premises of the Manufacturer or successful Contractor.
- 18.2 The Contractor shall notify Transnet Freight Rail 14 days in advance of such an inspection date.
- 18.3 The Contractor shall apply 14 days in advance for the date of energizing and ensure that all work is completed before any commissioning can take place.
- 18.4 The Contractor shall be responsible to issue a compliance certificate in terms of SANS 0142 for each site before energizing of the equipment shall take place.

Contract Data

Works Information

19 Specifications

19.1 South African National Standards:

- 19.1.1 SANS 121: Hot Dip Galvanised Coating for Fabricated Iron or Steel Article
- 19.1.2 SANS 1013: Standard voltages, currents and insulation levels for electricity supply
- 19.1.3 SANS 1091: National Colour Standard
- 19.1.4 SANS 1222: Enclosure for Electrical Equipment
- 19.1.5 SANS 1507: Electric cables with extruded solid dielectric insulation for fixed installations. (300/500V to 1900/3,300V) Part 1
- 19.1.6 SANS 10142-1: The wiring of premises Part 1

19.2 Transnet Freight Rail Specifications/Engineering Instructions

- 19.2.1 BBB 5452: Transnet freight rail requirements for installation of electrical equipment for 3Kv DC substations
- 19.2.2 BBB 2721: version 10 AC Primary Circuit Breaker Control Panel and AC/DC
- 19.2.3 Distribution Panel for 3kV DC Traction substation
- 19.2.4 CEE-TBD-0007: Earthing arrangement for traction substations
- 19.2.5 BBB 4724 version 4: Positive Isolator switch for 3kv DC Traction substations
- 19.2.6 BBB 3005 version 1: 3kv DC under voltage relay manufacturing specification
- 19.2.7 BBC 0198 version 1: Specifications for the supply of cables

- 19.2.8 CEE.0023.90: Specifications for installation of cables
- 19.2.9 CEE.0045.2002/1: Painting of steel Components of Electrical Equipment
- 19.2.10 CEE.0183.2002 : Hot dip galvanising and painting of electrical Equipment
- 19.2.11 CEE.0224.2002 : Drawings, catalogues, instruction manuals and spares list for electrical equipment supplied under contract
- 19.2.12 BBB 3620: 3kV Earthing arrangement system for high voltage outdoor yards
- 19.2.13 BBB 1153: Project specification for the design, supply, installation, testing and commission of SF6 gas filled primary circuit breakers at various 3kV DC substation

NOTE: Any other specifications referenced in the above mentioned specification, will be for information purposes and may be provided on request.

19.3 Occupational Health and Safety Act No. 85 of 1993 (Available at depot for referral)

20 Constraints on how the Contractor Provides the Works

20.1 The constraints shall be as specified in the specifications of the particular equipment.

21 Requirements for the programme

- 21.1 Programme of work : To be submitted by successful Contractor
- 21.2 CD Rating : 3EP or higher, 2EP PE will also be considered
- 21.3 Format : Bar chart
- 21.4 Information : How work is going to be executed and commissioned
- 21.5 Submission : Not Applicable
- 21.6 Site diary : Successful Contractor to supply in triplicates carbon copies
- 21.7 Site instruction book : Successful Contractor to supply in triplicates carbon copies

22 Services and other things provided by the Employer

- 22.1 Transnet Freight Rail shall have an electrician available for isolation and the erection of barriers to live electrical equipment and issuing of work permits.
- 22.2 Upon successful completion of the works to the satisfaction of Transnet Freight Rail, Transnet Freight Rail shall perform necessary protection tests and commission the equipment



Transnet Freight Rail

A Division of Transnet SOC Ltd

Enquiry Number: SIM16000CIDB

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C4: Site Information

C4.1: Information about the site at time of tender which may affect the work in this contract

1.1

Street Address: Plaats, Aurum and Arbor
Town: Johannesburg
Municipality: Ekurhuleni Local Municipality
Province: Gauteng
Position: Isando

CONTACT DETAILS

Name: Themba Makhubela
Position: Engineering Technician
Tel: 011 570 7231
Cell: 078 392 5425

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(REGISTRATION NO.1990/000900/30)
TRADING AS
TRANSNET FREIGHT RAIL

ADDENDUM NO. 1
TO THE
SECONDARY AND GENERAL SPECIFICATIONS
OF THE CONTRACT

- 1) Where ever the word "South African Transport Services" or "Spoornet" appears in these specifications, please replace it with "Transnet Freight Rail".
- 2) Where ever the words "Technician Officer" appear in these specifications, please replace with "Supervisor".



MINIMUM COMMUNAL HEALTH REQUIREMENTS IN AREAS OUTSIDE THE JURISDICTION OF A LOCAL AUTHORITY: TEMPORARY FACILITIES FOR CONTRACTOR'S PERSONNEL

1. CAMPS

- 1.1 Prior to the erection of any camp, the Contractor shall submit to the Technical Officer, for his approval, details of his proposals as to the site, water supply, sanitation, and size and type of buildings. Where the site is on private land, the Contractor shall submit the written approval for the use of the site of the relevant statutory authority and of the owner and occupier of the land (as applicable).
- 1.2 Camps must not be erected on land infested with field rodents.
- 1.3 Adequate drainage shall be provided to carry off storm and waste water.
- 1.4 Buildings shall be built to a neat and orderly pattern.
- 1.5 All buildings shall have smooth, hard, impervious floors, graded to provide effective drainage and to permit washing.
- 1.6 Camps shall be maintained by the Contractor at his own expense in a clean and tidy condition. The Contractor shall take such steps as the Technical Officer and landowner/occupier may demand to prevent the creation of a nuisance.
- 1.7 When so instructed by the Technical Officer, the Contractor shall, at his own expense, erect suitable screens between the camp and any public road, thoroughfare or railway line.
- 1.8 After removal of a camp, the Contractor shall, at his own expense, restore the site to its original condition to the satisfaction of the Technical Officer and of the landowner and occupier where the site is on private land.

2. HOUSING

- 2.1 Every living room shall have cross ventilation, both constant and occasional. Where only one window is provided, it shall not be in the same wall as the door.

- 2.2 Dimensions of living rooms shall be sufficient to allow 3.5 square metres of floor area and 11 cubic metres of air space for each person over the age of 10 years. The floor area of any living room shall not be less than 7,8 square metres.
- 2.3 Flat-roofed quarters shall have a minimum roof height of 3 metres above floor level. For quarters with pitched roofs, the wall height shall be not less than 2,6 metres above the floor with a minimum height above floor of 3 metres at the top of the pitch.
- 2.4 Doors shall not be less than 2m x 0,75m and must be halved.
- 2.5 Windows of each living room shall have an area not less than one twelfth of the floor area and shall be capable of opening to at least half their full area.
- 2.6 In areas where malaria is prevalent, doors and windows must be fitted with gauze screens.
- 2.7 Cooking shelters shall comprise roofed structures, three sides of which shall be enclosed by a weatherproof material, approved by the Technical Officer to a height of at least 1m above ground level.
- 2.7.1 Sleeping quarters shall not accommodate more than 8 persons per room.
- 2.7.2 Pegboards shall be carried on metal or concrete supports and shall be separated by partitions not less than 0,4 metres high extending to within 150mm of the end of the bunk. Pegboards shall be removable for cleaning.

3. WATER SUPPLY AND ABLUTION FACILITIES

- 3.1 The Contractor shall ensure that an adequate and conveniently situated supply of potable water is provided.
- 3.2 Separate buildings for ablution facilities shall be provided. Where approval has been obtained for the housing of both males and females, separate facilities for each sex shall be provided. The proportion shall be 1 cubicle for 20 persons.
- 3.3 Waste water shall be hygienically disposed of.

4. SANITATION

- 4.1 Separate buildings for latrine facilities shall be provided. Where housing are provided for both males and females, separate facilities for each sex shall be provided. The proportions shall be at least one squatting seat for every 15 persons or less in the case of pit latrines, or one for every 10 persons or less in case of pail latrines. Latrines shall be fly proof and sited at least 10 metres from any other building, and shall not face on any public road, thoroughfare, railway line or residential property. Pits shall not be less than 2,5 metres deep and sited not less than 120 metres from nearest underground water source.

- 4.2 Latrines shall be so constructed, situated and maintained, and night soil so disposed of as to prevent access by animals, breeding of flies, pollution of streams and domestic water supplies, and other nuisances. Where a night soil removal service is operated by a competent authority, use of such service shall be obligatory, and the use of pit latrines and atria pits will not be permitted.
- 4.3 At least one refuse bin of adequate size with close fitting lid shall be provided for each building. Refuse bins shall be emptied and cleaned out daily.
- 4.4 Labour shall be employed on camp sanitation duties on the following basis:-
- 4.4.1 Where the number of persons living at the camp is 20 or less - one unit.
- 4.4.2 For additional numbers over 20 living at the camp - one unit per 100 or part thereof.
- 4.5 Unless refuse is removed by a competent authority, it shall be disposed of in pits and covered over daily with a layer of earth or ash of sufficient thickness to prevent depredations by rodents and the breeding of flies.
- 4.6 Adequate measures shall be taken against all vermin and insects responsible for the spread of disease. Any instructions of a competent health authority shall be carried out promptly and implicitly.
- 4.7 Buildings and bed boards shall be treated whenever necessary with an approved insecticide.
- 4.8 The Contractor shall permit and facilitate inspection of the camp and structures on the site by the staff of Transnet or any other competent authority, and shall comply with any reasonable request by such staff or any other competent authority to eliminate any unsanitary condition.
- 4.9 Any outbreak of infectious disease shall immediately be reported telephonically and confirmed in writing to the Technical Officer.
- 4.10 The keeping of animals of any sort is not permitted.
- 4.11 The Contractor shall have on hand at the camp the necessary tools, disinfectants and cleaning materials to maintain and clean the sanitary facilities.

5. RATIONS

Rations, where supplied by the Contractor, shall be stored in a suitable and rodent proof building with sufficient shelving.

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TRANSNET LIMITED
(Registration no. 1990/000900/30)

**SAFETY ARRANGEMENTS AND PROCEDURAL COMPLIANCE
WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT
(ACT 85 OF 1993) AND APPLICABLE REGULATIONS**

1. General

- 1.1 The Contractor and Transnet Limited (hereinafter referred to as "Transnet") are individual employers, each in its own right, with their respective duties and obligations set out in the Occupational Health and Safety Act, Act 85 of 1993 (the Act) and applicable Regulations.
- 1.2 The Contractor accepts, in terms of the General Conditions of Contract and in terms of the Act, his obligations as an employer in respect of all persons in his employ, other persons on the premises or the Site or place of work or on the work to be executed by him, and under his control. He shall, before commencement with the execution of the contract work, comply with the provisions set out in the Act, and shall implement and maintain a Health and Safety Plan as described in the Construction Regulations, 2003 and as approved by Transnet, on the Site and place of work for the duration of the Contract.
- 1.3 The Contractor accepts his obligation to complying fully with the Act and applicable Regulations notwithstanding the omission of some of the provisions of the Act and the Regulations from this document.
- 1.4 Transnet accepts, in terms of the Act, its obligations as an employer of its own employees working on or associated with the site or place of work, and the Contractor and Project Manager or his deputy shall at all times, co-operate in respect of the health and safety management of the site, and shall agree on the practical arrangements and procedures to be implemented and maintained during execution of the Works.
- 1.5 In the event of any discrepancies between any legislation and this specification, the applicable legislation will take precedence.

2. Definitions

- 2.1 In this Specification any word or expression to which a meaning has been assigned in the Construction Regulations, shall have the meaning so assigned to it, unless the context otherwise indicates: -
- 2.2 The work included in this Contract shall for the purposes of compliance with the Act be deemed to be "**Construction Work**", which, in terms of the Construction Regulations, 2003 means any work in connection with: -

- (a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;
 - (b) the installation, erection, dismantling or maintenance of fixed plant where such work includes the risk of a person falling;
 - (c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
 - (d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;
- 2.3 **“competent person”** in relation to construction work, means any person having the knowledge, training and experience specific to the work or task being performed: Provided that where appropriate qualifications and training are registered as per the South African Qualifications Authority Act, 1995 these qualifications and training shall be deemed to be the required qualifications and training;
- 2.4 **“contractor”** means principal contractor and **“subcontractor”** means contractor as defined by the Construction Regulations, 2003.
- 2.5 **“fall protection plan”** means a documented plan, of all risks relating to working from an elevated position, considering the nature of work undertaken, and setting out the procedures and methods applied to eliminate the risk;
- 2.6 **“health and safety file”** means a file or other record in permanent form, containing the information required to be kept on site in accordance with the Act and applicable Regulations;
- 2.7 **“Health and Safety Plan”** means a documented plan which addresses the hazards identified and include safe work procedures to mitigate, reduce or control the hazards identified;
- 2.8 **“Risk Assessment”** means a programme to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard;
- 2.9 **“the Act”** means the Occupational Health and Safety Act No. 85 of 1993.
- 3. Procedural Compliance**
- 3.1 The Contractor who intends to carry out any construction work shall, before carrying out such work, notify the Provincial Director in writing if the construction work:-
- (a) includes the demolition of a structure exceeding a height of 3 metres; or
 - (b) includes the use of explosives to perform construction work; or
 - (c) includes the dismantling of fixed plant at a height greater than 3m, and shall also notify the Provincial Director in writing when the construction work exceeds 30 days or will involve more than 300 person days of construction work and if the construction work:-
 - includes excavation work deeper than 1m; or
 - includes working at a height greater than 3 metres above ground or a landing.

- 3.2 The notification to the Provincial Director shall be on a form similar to Annexure A of the Construction Regulations, 2003, also shown in Annexure 1 of this Specification. The Contractor shall ensure that a copy of the completed notification form is kept on site for inspection by an inspector, Project Manager or employee.
- 3.3 The Contractor shall, in accordance with the Act and applicable Regulations, make all the necessary appointments of competent persons in writing on a form similar to Annexure 2 of this Specification and deliver copies thereof to the Project Manager. Copies should also be retained on the health and safety file.
- 3.4 Subcontractors shall also make the above written appointments and the Contractor shall deliver copies thereof to the Project Manager.
- 3.5 In the case of a self-employed Contractor or any subcontractor who has the appropriate competencies and supervises the work himself, the appointment of a construction supervisor in terms of regulation 6.1 of the Construction Regulations, 2003 will not be necessary. The Contractor shall in such a case execute and sign a declaration, as in Annexure 3, by which he personally undertakes the duties and obligations of the "Chief Executive Officer" in terms of section 16(1) of the Act.
- 3.6 The Contractor shall, before commencing any work, obtain from the Project Manager an access certificate as in Annexure 4 executed and signed by him permitting and limiting access to the designated site or place of work by the Contractor and any subcontractors under his control.
- 3.7 Procedural compliance with Act and Regulations, as above, shall also apply to any subcontractors as employees in their own right. The Contractor shall furnish the Project Manager with full particulars of such subcontractors and shall ensure that they comply with the Act and Regulations and Transnet's safety requirements and procedures.

4. Special Permits

Where special permits are required before work may be carried out such as for network, isolation permits, work permits and occupations, the Contractor shall apply to the Project Manager or the relevant authority for such permits to be issued. The Contractor shall strictly comply with the conditions and requirements pertaining to the issue of such permits.

5. Health and Safety Programme

- 5.1 The Tenderer shall, with his tender, submit a Health and Safety Programme setting out the practical arrangements and procedures to be implemented by him to ensure compliance by him with the Act and Regulations and particularly in respect of: -
- (i) The provision, as far as is reasonably practical, of a working environment that is safe and without risk to the health of his employees and subcontractors in terms of section 8 of the Act;
 - (ii) the execution of the contract work in such a manner as to ensure in terms of section 9 of the Act that persons other than those in the Contractor's employment, who may be directly affected by the contract work are not thereby exposed to hazards to their health and safety;
 - (iii) ensuring, as far as is reasonably practical, in terms of section 37 of the Act that no employee or subcontractor of the Contractor does or omits to do any act which would be an offence for the Contractor to do or omit to do.

- 5.2 The Contractor's Health and Safety Programme shall be based on a risk assessment in respect of the hazards to health and safety of his employees and other persons under his control that are associated with or directly affected by the Contractor's activities in performing the contract work and shall establish precautionary measures as are reasonable and practical in protecting the safety and health of such employees and persons.
- 5.3 The Contractor shall cause a risk assessment contemplated in clause 5.2 above to be performed by a competent person, appointed in writing, before commencement of any Construction Work and reviewed during construction. The Risk Assessments shall form part of the Health and Safety programme to be applied on the site and shall include at least the following:
- (a) The identification of the risks and hazards that persons may be exposed to;
 - (b) the analysis and evaluation of the hazards identified;
 - (c) documented Health and Safety Plan, including safe work procedures to mitigate, reduce or control the risks identified;
 - (d) a monitoring and review plan.
- 5.4 The Health and Safety Plan shall include full particulars in respect of:
- (a) The safety management structure to be instituted on site or place of work and the names of the Contractor's health and safety representatives and members of safety committees where applicable;
 - (b) the safe working methods and procedures to be implemented to ensure the work is performed in compliance with the Act and Regulations;
 - (c) the safety equipment, devices and clothing to be made available by the Contractor to his employees;
 - (d) the site access control measures pertaining to health and safety to be implemented;
 - (e) the arrangements in respect of communication of health and safety related matters and incidents between the Contractor, his employees, subcontractors and the Project Manager with particular reference to the reporting of incidents in compliance with Section 24 and General Administrative Regulation 8 of the Act and with the pertinent clause of the General Conditions of Contract forming part of the Contract and
 - (f) the introduction of control measures for ensuring that the Safety Plan is maintained and monitored for the duration of the Contract.
- 5.4 The Health and Safety programme shall be subject to the Project Manager's approval and he may, in consultation with the Contractor, order that additional and/or supplementary practical arrangements and procedures be implemented and maintained by the Contractor or that different working methods or safety equipment be used or safety clothes be issued which, in the Project Manager's opinion, are necessary to ensure full compliance by the Contractor with his obligations as an employer in terms of the Act and Regulations. The Project Manager or his deputy shall be allowed to attend meetings of the Contractor's safety committee as an observer.

- 5.5 The Contractor shall take reasonable steps to ensure that each subcontractor's Health and Safety Plan is implemented and maintained on the construction site: Provided that the steps taken, shall include periodic audits at intervals mutually agreed to between the them, but at least once every month.
- 5.6 The Contractor shall stop any subcontractor from executing any construction work, which is not in accordance with the Contractor's, and/or subcontractor's Health and Safety Plan for the site or which poses a threat to the health and safety of persons.
- 5.7 The Contractor shall ensure that a copy of the Health and Safety Plan is available on site for inspection by an inspector, Project Manager, agent, subcontractor, employee, registered employee organisation, health and safety representative or any member of the health and safety committee.
- 5.8 The Contractor shall consult with the health and safety committee or, if no health and safety committee exists, with a representative group of employees, on the development, monitoring and review of the Risk Assessment.
- 5.9 The Contractor shall ensure that all employees under his control are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the Risk Assessment.
- 5.10 The Contractor shall ensure that all subcontractors are informed regarding any hazard as stipulated in the Risk Assessment before any work commences and thereafter at such times as may be determined in the Risk Assessment.
- 5.11 The Contractor shall ensure that all visitors to a construction site undergoes health and safety induction pertaining to the hazards prevalent on the site and shall be provided with the necessary personal protective equipment.

6. Fall Protection Plan

- 6.1 In the event of the risk and hazard identification, as required in terms of clause 5.3 of this Specification, revealing risks relating to working from an elevated position the contractor shall cause the designation of a competent person, responsible for the preparation of a fall protection plan;
- 6.2 The Contractor shall implement, maintain and monitor the fall protection plan for the duration of Contract. The Contractor shall also take such steps to ensure the continued adherence to the fall protection plan.
- 6.3 The fall protection plan shall include:-
- (a) A Risk Assessment of all work carried out from an elevated position;
 - (b) the procedures and methods to address all the identified risks per location;
 - (c) the evaluation of the employees physical and psychological fitness necessary to work at elevated positions;
 - (d) the training of employees working from elevated positions; and
 - (e) the procedure addressing the inspection, testing and maintenance of all fall protection equipment.

7. Hazards and Potential Hazardous Situations

The Contractor and the Project Manager shall immediately notify one another of any hazardous or potentially hazardous situations which may arise during performance of the Contract by the Contractor or any subcontractor and, in particular, of such hazards as may be caused by the design, execution and/or location and any other aspect pertaining to the contract work.

8. Health and Safety File

- 8.1 The Contractor shall ensure that a health and safety file is opened and kept on site and shall include all documentation required as per the Act and applicable regulations, and made available to an inspector, the Project Manager, or subcontractor upon request.
- 8.2 The Contractor shall ensure that a copy of the both his Health and Safety Plan as well as any subcontractor's Health and Safety Plan is available on request to an employee, inspector, contractor or the Project Manager.
- 8.3 The Contractor shall hand over a consolidated health and safety file to the Project Manager upon completion of the Construction Work and shall in addition to documentation mentioned in the Act and applicable Regulations include a record of all drawings, designs, materials used and other similar information concerning the completed structure.

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ANNEXURE 1

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993

Regulation 3(1) of the Construction Regulations

NOTIFICATION OF CONSTRUCTION WORK

-
-
- 1(a) Name and postal address of principal contractor: _____
- (b) Name and tel. no of principal contractor's contact person: _____
2. Principal contractor's compensation registration number: _____
- 3.(a) Name and postal address of client: _____
- (b) Name and tel no of client's contact person or agent: _____
- 4.(a) Name and postal address of designer(s) for the project: _____
- (b) Name and tel. no of designer(s) contact person: _____
5. Name and telephone number of principal contractor's construction supervisor on site appointed in terms of regulation 6(1). _____
6. Name/s of principal contractor's construction sub-ordinate supervisors on site appointed in terms of regulation 6(2). _____
7. Exact physical address of the construction site or site office: _____
8. Nature of the construction work: _____
9. Expected commencement date: _____
10. Expected completion date: _____

11. Estimated maximum number of persons on the construction site:

12. Planned number of contractors on the construction site accountable to the principle contractor:

13. Name(s) of contractors already chosen.

Principal Contractor

Date

Client

Date

* THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR PRIOR TO COMMENCEMENT OF WORK ON SITE.

* ALL PRINCIPAL CONTRACTORS THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER PRINCIPAL CONTRACTOR ON THE SAME SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

ANNEXURE 2

(COMPANY LETTER HEAD)

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 OF 1993) :

SECTION/REGULATION: _____

REQUIRED COMPETENCY: _____

In terms of _____ I, _____

representing the Employer) do hereby
appoint _____

As the Competent Person on the
premises at _____

(physical address) to assist in compliance with the Act and the applicable Regulations.

Your designated area/s is/are as follows :-

Date : _____

Signature :- _____

Designation :- _____

ACCEPTANCE OF DESIGNATION

I, _____ do hereby accept this Designation and
acknowledge that I
understand the requirements of this appointment.

Date : _____

Signature :- _____

Designation :- _____

ANNEXURE 3

(COMPANY LETTER HEAD)

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 OF 1993) :

DECLARATION

In terms of the above _____ am personally assuming the
Act I, _____ duties
and obligations as Chief Executive Officer, defined in Section 1 of the Act and in terms of
Section 16(1), I will, as far as is reasonably practicable, ensure that the duties and obligations
of the Employer as contemplated in the above Act are properly discharged.

Signature :- _____

Date : _____

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ANNEXURE 4

(LETTER HEAD OF BUSINESS DIVISION OR UNIT OF TRANSNET LIMITED)

SITE ACCESS CERTIFICATE

Access to : _____ (Area)
Name of _____
Contractor/Builder :- _____
Contract/Order No.: _____

The contract works site/area described above are made available to you for the carrying out of associated works
In terms of your contract/order
with
(company
) _____

Kindly note that you are at all times responsible for the control and safety of the Works Site, and for persons under your control having access to the site.

As from the date hereof you will be responsible for compliance with the requirements of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as amended, and all conditions of the Contract pertaining to the site of the works as defined and demarcated in the contract documents including the plan of the site or work areas forming part thereof.

Signature : _____ **Date :** _____
PROJECT MANAGER

ACKNOWLEDGEMENT OF RECEIPT

Name _____ **of** _____ **I,**
Contractor/Builder :- _____

**do hereby acknowledge and accept
the duties**

**and obligations in respect of the Safety of the site/area of Work in terms of the
Occupational Health and Safety Act; Act 85 of 1993.**

Name : _____ **Designation :** _____

Signature : _____ **Date :** _____

TRANSNET



Transnet SOC Limited Registration Number 1990/00900/06

TRANSNET SPECIFICATION

E7/1 - SPECIFICATION FOR GENERAL WORK AND WORKS ON, OVER, UNDER OR ADJACENT TO RAILWAY LINES AND NEAR HIGH VOLTAGE EQUIPMENT

(This specification shall be used in network operator contracts)

preview copy

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SCOPE

- 1.1 This specification covers the network operator's requirements for general work and works on, over, under or adjacent to railway lines and near high voltage equipment.

2.0 DEFINITIONS

The following definitions shall apply:

"Authorised Person" - A person whether an employee of the network operator or not, who has been specially authorised to undertake specific duties in terms of Transnet's publication Electrical Safety Instructions, and who holds a certificate or letter of authority to that effect.

"Barrier" Any device designed to restrict access to "live" high-voltage electrical equipment.

"Bond" - A short conductor installed to provide electrical continuity.

"Contractor" - Any person or organisation appointed by the network operator to carry out work on its behalf.

"Contract Supervisor" - The person or juristic person appointed by the network operator from time to time as the Contract Supervisor, to administer the Contractor's performance and execution of the Works according to the powers and rights held by and obligations placed upon the Contract Supervisor in terms of the Contract.

"Dead" - Isolated and earthed.

"Electrical Officer (Contracts)" - The person appointed in writing by the Project Manager in terms of this specification as the person who shall be consulted by the Contractor in all electrical matters to ensure that adequate safety precautions are taken by the Contractor.

"Executive Officer" - The person appointed by the network operator from time to time as the Executive Officer to act according to the rights and powers held by and obligations placed upon him in terms of the Contract.

"High-Voltage" - A voltage normally exceeding 1000 volts.

"Live" - A conductor is said to be "live" when it is at a potential different from that of the earth or any other conductor of the system of which it forms a part.

"Near" - To be in such a position that a person's body or the tools he is using or any equipment he is handling may come within 3 metres of "live" exposed high-voltage electrical equipment.

"Occupation" - An authorisation granted by the network operator for work to be carried out under specified conditions on, over, under or adjacent to railway lines.

"Occupation Between Trains" - An occupation during an interval between successive trains.

"Optical Fibre Cable" - Buried or suspended composite cable containing optical fibres used in:

- telecommunication networks for transmission of digital information and
- safety sensitive train operations systems.

"Project Manager" - As defined in the special conditions of the contract. The person or juristic person appointed by the network operator from time to time as the Project Manager, to administer the Contract according to the powers and rights held by and obligations placed upon him in terms of the Contract.

"Responsible Representative" - The responsible person in charge, appointed by a contractor, who has undergone specific training (and holds a certificate) to supervise (general or direct) staff under his control who perform general work or to work on, over, under or adjacent to railway lines and in the vicinity of high-voltage electrical equipment.

"Total Occupation" - An occupation for a period when trains are not to traverse the section of line covered by the occupation.

"Work on" - Work undertaken on or so close to the equipment that the specified working clearances to the "live" equipment cannot be maintained.

"Work Permit" - A combined written application and authority to proceed with work on or near dead electrical equipment.

"Works" - The contractual intent for the work to be done as defined in the contract at a defined work site.

PART A - GENERAL SPECIFICATION

3.0 AUTHORITY OF OFFICERS OF TRANSNET

- 3.1 The Contractor shall co-operate with the officers of the network operator and shall comply with all instructions issued and restrictions imposed with respect to the Works which bear on the existence and operation of the network operator's railway lines and high-voltage equipment.
- 3.2 Without limiting the generality of the provisions of clause 3.1, any duly authorised representative of the network operator, having identified himself, may stop the work if, in his opinion, the safe passage of trains or the safety of the network operator's assets or any person is affected. **CONSIDERATIONS OF SAFETY SHALL TAKE PRECEDENCE OVER ALL OTHER CONSIDERATIONS.**

4.0 CONTRACTOR'S REPRESENTATIVES AND STAFF

- 4.1 The Contractor shall nominate Responsible Representatives of whom at least one shall be available at any hour for call-out in cases of emergency. The Contractor shall provide the Contract Supervisor with the names, addresses and telephone numbers of the representatives.
- 4.2 The Contractor guarantees that he has satisfied himself that the Responsible Representative is fully conversant with this specification and that he shall comply with all his obligations in respect thereof.
- 4.3 The Contractor shall ensure that all contractor staff receives relevant awareness, educational and competence training regarding safety as prescribed.

5.0 OCCUPATIONS AND WORK PERMITS

- 5.1 Work to be done during total occupation or during an occupation between trains or under a work permit shall be done in a manner decided by the Contract Supervisor and at times to suit the network operator requirements.
- 5.2 The Contractor shall organise the Works in a manner which will minimise the number and duration of occupations and work permits required.
- 5.3 The network operator will not be liable for any financial or other loss suffered by the Contractor arising from his failure to complete any work scheduled during the period of an occupation or work permit.
- 5.4 The Contractor shall submit to the Contract Supervisor, in writing, requests for occupations or work permits together with details of the work to be undertaken, at least 21 days before they are required. The network operator does not undertake to grant an occupation or work permit for any particular date, time or duration.
- 5.5 The network operator reserves the right to cancel any occupation or work permit at any time before or during the period of occupation or work permit. If, due to cancellation or change in date or time, the Contractor is not permitted to start work under conditions of total occupation or work permit at the time arranged, all costs caused by the cancellation shall be born by the Contractor except as provided for in clauses 5.6 to 5.8.
- 5.6 When the Contractor is notified less than 2 hours before the scheduled starting time that the occupation or work permit is cancelled, he may claim reimbursement of his direct financial losses caused by the loss of working time up to the time his labour and plant are employed on other work, but not exceeding the period of the cancelled occupation or work permit.
- 5.7 When the Contractor is notified less than 2 hours before the scheduled starting time, or during an occupation or work permit, that the duration of the occupation or work permit is reduced, he may claim reimbursement of his direct financial losses caused by the loss of working time due to the reduced duration of the occupation or work permit.
- 5.8 Reimbursement of the Contractor for any loss of working time in terms of clause 5.6 and 5.7, shall be subject to his claims being submitted within 14 days of the event with full details of labour and plant involved, and provided that the Contract Supervisor certifies that no other work on which the labour and plant could be employed was immediately available.
- 5.9 Before starting any work for which an occupation has been arranged, the Contractor shall obtain from the Contract Supervisor written confirmation of the date, time and duration of the occupation.
- 5.10 Before starting any work for which a work permit has been arranged, the Responsible Representative shall read and sign portion C of the Work Permit, signifying that he is aware of the work boundaries within which work may be undertaken. After the work for which the permit was granted has been completed, or when the

work permit is due to be terminated, or if the permit is cancelled after the start, the same person who signed portion C shall sign portion D of the Work Permit, thereby acknowledging that he is aware that the electrical equipment is to be made "live". The Contractor shall advise all his workmen accordingly.

6.0 SPEED RESTRICTIONS AND PROTECTION

- 6.1 When speed restrictions are imposed by the network operator because of the Contractor's activities, the Contractor shall organise and carry out his work so as to permit the removal of the restrictions as soon as possible.
- 6.2 When the Contract Supervisor considers protection to be necessary the Contractor shall, unless otherwise agreed, provide all protection including flagmen, other personnel and all equipment for the protection of the network operator's and the Contractor's personnel and assets, the public and including trains.
- 6.2.1 The network operator will provide training free of charge of the Contractor's flagmen and other personnel performing protection duties. The Contractor shall consult with the Contract Supervisor, whenever he considers that protection will be necessary, taking into account the minimum permissible clearances set out in the Manual for Track Maintenance (Document no. BBB0481):
- Drawing no. BE-97 Sheet 1: Horizontal Clearances: 1065mm gauge (Annexure 1 sheet 1)
 - Drawing no. BE-97 Sheet 2: Vertical Clearances: 1065mm gauge (Annexure 1 sheet 2)
 - Drawing no. BE-97 Sheet 3: Clearances: Platform (Annexure 1 sheet 3)
 - Drawing no. BE-97 Sheet 5: Clearances: 610mm Gauge (Annexure 1 sheet 5)
- 6.3 The Contractor shall appoint a Responsible Representative to receive and transmit any instruction which may be given by the network operator personnel providing protection.

7.0 ROADS AND ROADS ON THE NETWORK OPERATOR'S PROPERTY

- 7.1 The Contractor shall take every reasonable precaution to prevent damage to any roads or bridges used to obtain access to the site, and shall select routes, use vehicles, and restrict loads so that any extraordinary traffic as may arise from the moving of plant or material to or from the site shall be limited as far as is reasonably possible.
- 7.2 The Contractor shall not occupy or interfere in any way with the free use of any public or private road, right-of-way, path or street unless the Contract Supervisor has obtained the approval of the road authority concerned.

8.0 CLEARANCES

- 8.1 No temporary works shall encroach on the appropriate minimum clearances set out in the Manual for Track Maintenance (Document no. BBB0481):
- Drawing no. BE-97 Sheet 1: Horizontal Clearances: 1065mm gauge (Annexure 1 sheet 1)
 - Drawing no. BE-97 Sheet 2: Vertical Clearances: 1065mm gauge (Annexure 1 sheet 2)
 - Drawing no. BE-97 Sheet 3: Clearances: Platform (Annexure 1 sheet 3)
 - Drawing no. BE-97 Sheet 5: Clearances: 610mm Gauge (Annexure 1 sheet 5)

9.0 STACKING OF MATERIAL

- 9.1 The Contractor shall not stack any material closer than 3m from the centre line of any railway line without prior approval of the Contract Supervisor.

10.0 EXCAVATION, SHORING, DEWATERING AND DRAINAGE

- 10.1 Unless otherwise approved by the Contract Supervisor any excavation adjacent to a railway line shall not encroach on the hatched area shown in Figure 1.

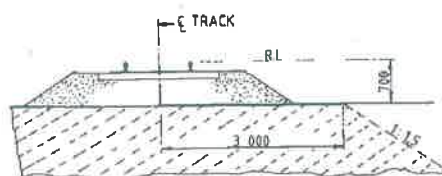


Fig. 1.

- 10.2 The Contractor shall provide, at his own cost any shoring, dewatering or drainage of any excavation unless otherwise stipulated elsewhere in the Contract.
- 10.3 Where required by the Contract Supervisor, drawings of shoring for any excavation under or adjacent to a railway line shall be submitted and permission to proceed, obtained before the excavation is commenced.
- 10.4 The Contractor shall prevent ingress of water to the excavation but where water does enter, he shall dispose of it as directed by the Contract Supervisor.
- 10.5 The Contractor shall not block, obstruct or damage any existing drains either above or below ground level unless he has made adequate prior arrangements to deal with drainage.

11.0 FALSEWORK FOR STRUCTURES

- 11.1 Drawings of falsework for the construction of any structure over, under or adjacent to any railway line shall be submitted to the Contract Supervisor and his permission to proceed obtained before the falsework is erected. Each drawing shall be given a title and a distinguishing number and shall be signed by a registered professional engineer certifying that he has checked the design of the falsework and that the drawings are correct and in accordance with the design.
- 11.2 After the falsework has been erected and before any load is applied, the Contractor shall submit to the Contract Supervisor a certificate signed by a registered professional engineer certifying that he has checked the falsework and that it has been erected in accordance with the drawings. Titles and numbers of the drawings shall be stated in the certificate. Notwithstanding permission given by the Contract Supervisor to proceed, the Contractor shall be entirely responsible for the safety and adequacy of the falsework.

12.0 PILING

- 12.1 The Contract Supervisor will specify the conditions under which piles may be installed on the network operator's property.

13.0 UNDERGROUND SERVICES

- 13.1 No pegs or stakes shall be driven or any excavation made before the Contractor has established that there are no underground services which may be damaged thereby.
- 13.2 Any damage shall be reported immediately to the Contract Supervisor, or to the official in charge at the nearest station, or to the traffic controller in the case of centralised traffic control.

14.0 BLASTING AND USE OF EXPLOSIVES

- 14.1 When blasting within 500m of a railway line, the Contractor shall observe the requirements stipulated in this specification.
- 14.2 No blasting shall be carried out except with the prior written permission of the Contract Supervisor and under such conditions as he may impose.
- 14.3 On electrified lines the Contractor shall also obtain the permission of the Electrical Officer (Contracts) before blasting, and shall give at least 21 days' notice of his intention to blast. No blasting shall be done in the vicinity of electrified lines unless a member of the network operator's electrical personnel is present.
- 14.4 The Contractor shall arrange for the supply, transport storage and use of explosives.
- 14.5 The Contractor shall have labour, tools and plant, to the satisfaction of the Contract Supervisor, available on the site to clear immediately any stones or debris deposited on the track or formation by blasting, and to repair any damage to the track or formation immediately after blasting. Repairs to the track shall be carried out only under the supervision of a duly authorised representative of the network operator.
- 14.6 The Contractor shall notify the Contract Supervisor of his intention to blast at least 21 days before the commencement of any blasting operations.
- 14.7 Before any blasting is undertaken, the Contractor and the Contract Supervisor shall jointly examine and measure up any buildings, houses or structures in the vicinity of the proposed blasting to establish the extent of any existing cracking or damage to such structures, etc. The Contractor, shall, subject to the provisions stipulated in the Contract Insurance Policy, make good any deterioration of such buildings, houses, or structures, which, in the opinion of the Contract Supervisor, was directly caused by the blasting.
- 14.8 After completion of the blasting the Contractor shall obtain a written clearance from each landowner in

the vicinity of the blasting operations to the effect that all claims for compensation in respect of damage caused by the blasting operations to their respective properties, have been settled.

- 14.9 The Contractor shall provide proof that he has complied with the provisions of clauses 10.17.1 to 10.17.4 of the Explosives Regulations (Act 26 of 1956 as amended).

- 14.10 Blasting within 500m of a railway line will only be permitted during intervals between trains. A person appointed by the Contract Supervisor, assisted by flagmen with the necessary protective equipment, will be in communication with the controlling railway station.

Only this person will be authorised to give the Contractor permission to blast, and the Contractor shall obey his instructions implicitly regarding the time during which blasting may take place.

- 14.11 The flagmen described in clause 14.10, where provided by the network operator, are for the protection of trains and the network operator's property only, and their presence does not relieve the Contractor in any manner of his responsibilities in terms of Explosives Act or Regulations, or any obligation in terms of this Contract.

- 14.12 The person described in clause 14.10 will record in a book provided and retained by the network operator, the dates and times:-

(i) when each request is made by him to the controlling station for permission to blast;

(ii) when blasting may take place;

(iii) when blasting actually takes place; and

(iv) when he advises the controlling station that the line is safe for the passage of trains.

- 14.13 Before each blast the Contractor shall record in the same book, the details of the blast to be carried out. The person appointed by the Contract Supervisor and the person who will do the blasting shall both sign the book whenever an entry described in clause 14.12 is made.

15.0 RAIL TROLLEYS

- 15.1 The use of rail trolleys or trestle trolleys on a railway line for working on high voltage equipment will be permitted only if approved by the Contract Supervisor and under the conditions stipulated by him.

- 15.2 All costs in connection with trolley working and any train protection services requested by the Contractor shall be borne by the Contractor, unless otherwise agreed.

16.0 SIGNAL TRACK CIRCUITS

- 16.1 Where signal track circuits are installed, the Contractor shall ensure that no material capable of conducting an electrical current makes contact between rails of railway line/lines.

- 16.2 No signal connections on track-circuited tracks shall be severed without the Contract Supervisor's knowledge and consent.

17.0 PENALTY FOR DELAYS TO TRAINS

- 17.1 If any trains are delayed by the Contractor and the Contract Supervisor is satisfied that the delay was avoidable, a penalty will be imposed on the Contractor as stipulated in the contract, for the period and number of trains delayed.

18.0 SURVEY BEACONS AND PEGS

- 18.1 The Contractor shall not on any account move or damage any beacon, bench mark, reference mark, signal or trigonometrical station in the execution of the Works without the written approval of the Contract Supervisor.

Should the Contractor be responsible for any such occurrence, he shall report the circumstances to the Contract Supervisor who will arrange with the Director-General of Surveys for replacement of the beacon or mark at the cost of the Contractor.

- 18.2 The Contractor shall not move or damage any cadastral or mining beacon without the written approval of the Contract Supervisor and before it has been referenced by a registered land surveyor. Any old boundary beacon, which becomes an internal beacon on creation of new boundaries, shall not be moved without the written approval of the Contract Supervisor.

Should the Contractor move or damage any cadastral or mining beacon without authority, he shall be responsible for having it replaced, at his cost, by a land surveyor.

- 18.3 The Contractor shall preserve all pegs and bench marks. Such survey points shall not be removed without the written approval of the Contract Supervisor. Should any peg or benchmark be removed without authority, the Contract Supervisor will arrange for its replacement and the cost will be recovered from the Contractor. No claim will be considered for delay in replacing any such peg or bench mark. Each peg replaced shall be checked by the Contractor.
- 18.4 Where a new boundary has been established, beacons on the fence line shall not be disturbed, and fence posts or anchors may not be placed or excavations made within 0,6 m of any beacon without the prior written approval of the Contract Supervisor.

19.0 TEMPORARY LEVEL CROSSINGS

- 19.1 The Contract Supervisor may, on request of the Contractor, and if necessary for the purpose of execution of the Works, permit the construction of a temporary level crossing over a railway a line at a position approved by the Contract Supervisor and at the Contractor's cost. The period for which the temporary level crossing is permitted will be at the discretion of the Contract Supervisor.
- 19.2 The Contractor will provide protection and supervise the construction of the road over the track(s) and within the railway servitude at the level crossing, as well as the erection of all road signs and height gauges. All cost to be borne by the applicant.

The Contractor shall exercise extreme caution in carrying out this work, especially in respect of damage to tracks, services, overhead power and communications routes and prevent contact with "live" overhead electrical equipment.

Unless otherwise agreed, the Contractor will provide the service deviations or alterations to the network operator's track-, structure-, drainage-, electrical-, telecommunications- and train authorisation systems to accommodate the level crossing.

- 19.3 The Contractor shall take all necessary steps including the provision of gates, locks and, where necessary, watchmen to restrict the use of the temporary level crossing to himself and his employees, his subcontractors and their employees, the staff of the network operator and to such other persons as the Contract Supervisor may permit and of whose identity the Contractor will be advised. If so ordered by the Contract Supervisor, the Contractor shall provide persons to control road traffic using the temporary level crossing. Such persons shall stop all road traffic when any approaching train is within seven hundred and fifty (750) metres of the temporary level crossing, and shall not allow road traffic to proceed over it until the lines are clear.
- 19.4 The Contractor shall maintain the temporary level crossing within the railway servitude in good condition for the period it is in use. A temporary agreement with the road authority to be concluded for the maintenance of the level crossing outside the railway servitude.
- 19.5 When the temporary level crossing is no longer required by the Contractor, or permitted by the network operator, the Contractor shall at his own cost remove it and restore the site and the network operator's track-, structure-, drainage-, electrical-, telecommunications- and train authorisation systems to its original condition. Work over the tracks and within the railway servitude will be supervised by the network operator.

20.0 COMPLETION OF THE WORKS

- 20.1 On completion of the works, the Contractor shall remove all the remaining construction plant and material from the site, other than material which is the property of the network operator, and leave the site in a clean, neat and tidy condition. If material and plant is required for the liability and maintenance period the Contract supervisor must authorise it's retention on site.

21.0 PROTECTION OF PERSONS AND PROPERTY

- 21.1 The Contractor shall provide and maintain all lights, guards, barriers, fencing and watchmen when and where necessary or as required by the Contract Supervisor or by any statutory authority, for the protection of the Works and for the safety and convenience of the public.

Red, yellow, green or blue lights may not be used by the Contractor as they can be mistaken for signals. Red, yellow, green or white flags shall only be used for protection by the Contractor. Within the precincts of a port the Contractor shall obtain the permission of the Port Captain before installing any light.

- 21.2 The Contractor shall take all the requisite measures and precautions during the course of the Works to:
- (i) protect the public and property of the public,
 - (ii) protect the property and workmen of both the network operator and the Contractor,
 - (iii) avoid damage to and prevent trespass on adjoining properties, and
 - (iv) ensure compliance with any instruction issued by the Contract Supervisor or other authorised person, and with any stipulation embodied in the contract documents which affects the safety of any person or thing.
- 21.3 The network operator will provide, at its own cost, protection for the safe working of trains during such operations as the Contract Supervisor may consider necessary. Protection by the network operator for any purpose whatsoever, does not absolve the Contractor of his responsibilities in terms of the Contract.
- 21.4 The Contractor shall take all precautions and appoint guards, watchmen and compound managers for prevention of disorder among and misconduct by the persons employed on the Works and by any other persons, whether employees or not, on the work site and for the preservation of the peace and protection of persons and property in the direct neighbourhood. Any relocation of camps because of disorder shall be at the Contractor's expense.
- 21.5 All operations necessary for the execution of the Works, including the provision of any temporary work and camping sites, shall be carried out so as not to cause veldt fires, ground and environmental pollution, soil erosion or restriction of or interference with streams, furrows, drains and water supplies.
- If the original surface of the ground is disturbed in connection with the Works, it shall be made good by the Contractor to the satisfaction of the land owner, occupier or responsible authority.
- 21.6 The Contractor shall take all reasonable steps to minimise noise and disturbance when carrying out the Works, including work permitted outside normal working hours.
- 21.7 Dumping of waste or excess materials by the Contractor shall, in urban areas, be done under the direction and control of, and at sites made available by the local authority. Dumping outside local authority boundaries shall be done only with the express permission and under the direction and control of the Contract Supervisor.
- 21.8 The Contractor shall comply with environmental protection measures and specifications stipulated by the Contract Supervisor and/or local and environmental authorities.
- 22.0 INTERFERENCE WITH THE NETWORK OPERATOR'S ASSETS AND WORK ON OPEN LINES**
- 22.1 The Contractor shall not interfere in any manner whatsoever with an open line, nor shall he carry out any work or perform any act which affects the security, use or safety of an open line except with the authority of the Contract Supervisor and in the presence of a duly authorised representative of the network operator.
- 22.2 The Contractor shall not carry out any work or operate any plant, or place any material whatsoever nearer than three metres from the centre line of any open line except with the written permission of the Contract Supervisor and subject to such conditions as he may impose.
- 22.3 Care must be taken not to interfere with or damage any services such as overhead wire routes, cables or pipes and optical fibre cable, except as provided for the work specified. The Contractor will be held responsible for any damage to or interruption of such services arising from any act or omission on his part or of any of his employees, or persons engaged by him on the Works. The cost of repairing, replacing or restoring the services, as well as all other costs arising from any damage to services, shall be borne by, and will be recovered from the Contractor.
- 22.4 Authority granted by the Contract Supervisor and the presence of an authorised representative of the network operator in terms hereof, shall not relieve the Contractor of his duty to comply with this specification.
- 23.0 ACCESS, RIGHTS-OF-WAY AND CAMPSITES**
- 23.1 Where entry onto the network operator's property is restricted, permission to enter will be given only for the purpose of carrying out the Works and will be subject to the terms and conditions laid down by the network operator.

- 23.2 The Contractor shall arrange for campsites, workplaces and access thereto as well as for any right-of-way over private property to the site of the Works, and for access within the boundaries of the network operator's property. The owners of private property to be traversed shall be approached and treated with tact and courtesy by the Contractor, who shall, if necessary, obtain a letter of introduction to such property owners from the Contract Supervisor.

The Contractor shall be responsible for the closing of all gates on roads and tracks used by him or his employees. Except with the prior approval of the Contract Supervisor and the owner or occupier of any private land to be traversed, the Contractor shall not cut, lower, damage, remove or otherwise interfere with any fence or gate which is either on the network operator's property or on private property and which restricts access to the Works. Where such approval has been given, the Contractor shall prevent entry of animals or unauthorised persons onto the network operator's or private property, and shall make the fences safe against trespass at the close of each day's work.

- 23.3 The Contractor shall take all reasonable steps to confine the movement of vehicles and plant to the approved right-of-way to minimise damage to property, crops and natural vegetation.
- 23.4 When access is no longer required, and before completion of the Works, the Contractor shall repair, restore or replace any fence or gate damaged during execution of the Works to the satisfaction of the Contract Supervisor and shall furnish the Contract Supervisor with a certificate signed by the owner and occupier of land over which he has gained access to a campsite, workplace and the Works, certifying that the owner and occupier have no claim against the Contractor or the network operator arising from the Contractor's use of the land. Should the Contractor be unable to obtain the required certificate, he shall report the circumstances to the Contract Supervisor.

24.0 SUPERVISION

- 24.1 The Contract Supervisor will provide overall technical superintendence of the Works and may direct the Contractor in terms of the provisions of the Contract or in respect of any measures which the Contract Supervisor may require for the operations of the network operator, the safety of trains, property and workmen of the network operator, and for the safety of other property and persons. The Contractor shall carry out the directions of the Contract Supervisor. The superintendence exercised by the Contract Supervisor, including any agreement, approval, refusal or withdrawal of any approval given, shall not relieve the Contractor of any of his duties and liabilities under the Contract, and shall not imply any assumption by the network operator or by the Contract Supervisor of the legal and other responsibilities of the Contractor in carrying out the Works.
- 24.2 The Contract Supervisor may delegate to any deputy or other person, any of his duties or functions under the Contract. On receiving notice in writing of such delegation, the Contractor shall recognise and obey the deputy or person to whom any such duties or functions have been delegated as if he were the Contract Supervisor.
- 24.3 The Contractor shall exercise supervision over the Works at all times when work is performed or shall be represented by an agent having full power and authority to act on behalf of the Contractor. Such agent shall be competent and responsible, and have adequate experience in carrying out work of a similar nature to the Works, and shall exercise personal supervision on behalf of the Contractor. The Contract Supervisor shall be notified in writing of such appointment which will be subject to his approval.
- 24.4 The Contractor or his duly authorised agent shall be available on the site at all times while the Works are in progress to receive the orders and directions of the Contract Supervisor.

25.0 HOUSING OF EMPLOYEES

- 25.1 The Contractor shall, where necessary, make his own arrangements for suitable housing of his employees. Where temporary housing is permitted by the Contract Supervisor on any part of the site, the Contractor shall provide suitable sanitation, lighting and potable water supplies in terms of the requirements of the local authority or the current network operator's specification; Minimum Communal Health Requirements in Areas outside the Jurisdiction of a Local Authority - E.4B, as applicable.
- 25.2 Fouling the area inside or outside the network operator's boundaries shall be prevented. The Contractor will be called upon by the Contract Supervisor to dispose of any foul or waste matter generated by the Contractor.

26.0 OPTICAL FIBRE CABLE ROUTES

- 26.1 The Contractor shall not handle, impact, move or deviate any optical fibre cable without prior approval.
- 26.2 Works that in any way affect the optical fibre cable requires prior approval from the Contract Supervisor who will determine the work method and procedures to be followed.

preview copy

PART B - SPECIFICATION FOR WORK NEAR HIGH-VOLTAGE ELECTRICAL EQUIPMENT**27.0 GENERAL**

- 27.1 This specification is based on the contents of Transnet's publication ELECTRICAL SAFETY INSTRUCTIONS, as amended, a copy of which will be made available on loan to the Contractor for the duration of the contract.

These instructions apply to all work near "live" high-voltage equipment maintained and/or operated by the network operator, and the onus rests on the Contractor to ensure that he obtains a copy.

- 27.2 This specification must be read in conjunction with and not in lieu of the Electrical Safety Instructions.
- 27.3 The Contractor's attention is drawn in particular to the contents of Part I, Sections 1 and 2 of the Electrical Safety Instructions.
- 27.4 The Electrical Safety Instructions cover the minimum safety precautions which must be taken to ensure safe working on or near high-voltage electrical equipment, and must be observed at all times. Should additional safety measures be considered necessary because of peculiar local conditions, these may be ordered by and at the discretion of the Electrical Officer (Contracts).
- 27.5 The Contractor shall obtain the approval of the Electrical Officer (Contracts) before any work is done which causes or could cause any portion of a person's body or the tools he is using or any equipment he is handling, to come within 3 metres of any "live" high-voltage equipment.
- 27.6 The Contractor shall regard all high-voltage equipment as "live" unless a work permit is in force.
- 27.7 Safety precautions taken or barriers erected shall comply with the requirements of the Electrical Officer (Contracts), and shall be approved by him before the work to be protected is undertaken by the Contractor. The Contractor shall unless otherwise agreed, bear the cost of the provision of the barriers and other safety precautions required, including the attendance of the network operator's staff where this is necessary.
- 27.8 No barrier shall be removed unless authorised by the Electrical Officer (Contracts).

28.0 WORK ON BUILDINGS OR FIXED STRUCTURES

- 28.1 Before any work is carried out or measurements are taken on any part of a building, fixed structure or earthworks of any kind above ground level situated within 3 metres of "live" high-voltage equipment, the Electrical Officer (Contracts) shall be consulted to ascertain the conditions under which the work may be carried out.
- 28.2 No barrier erected to comply with the requirements of the Electrical Officer (Contracts) shall be used as temporary staging or shuttering for any part of the Works.
- 28.3 The shuttering for bridge piers, abutments, retaining walls or parapets adjacent to or over any track may be permitted to serve as a barrier, provided that it extends at least 2,5 metres above any working level in the case of piers, abutments and retaining walls and 1,5 metres above any working level in the case of parapets.

29.0 WORK DONE ON OR OUTSIDE OF ROLLING STOCK, INCLUDING LOADING OR UNLOADING

- 29.1 No person may stand, climb or work, whilst on any platform, surface or foothold:
- 29.1.1 higher than the normal unrestricted access way, namely -
 - 29.1.1.1 external walkways on diesel, steam and electric locomotives, steam heat vans, etc. and
 - 29.1.1.2 walkways between coaches and locomotives.
 - 29.1.2 of restricted access ways in terms of the Electrical Safety Instructions namely -
 - 29.1.2.1 the floor level of open wagons
 - 29.1.2.2 external walkways or decks of road-rail vehicles, on-track maintenance machines and material trains.
 - 29.1.3 Unauthorised staff working on these platforms must be directly supervised by duly authorised persons in terms of clause 607.1.3 of the Electrical Safety Instructions. These persons must attend the relevant electrical safety module training. A letter of training must then be issued by an accredited training authority. A Category C Certificate of Authority must be obtained from the

local depot examining officer.

- 29.2 When in the above positions no person may raise his hands or any equipment he is handling above his head.
- 29.3 In cases where the Contractor operates his own rail mounted equipment, he shall arrange for the walkways on this plant to be inspected by the Electrical Officer (Contracts) and approved, before commencement of work.
- 29.4 The handling of long lengths of material such as metal pipes, reinforcing bars, etc should be avoided, but if essential they shall be handled as nearly as possible in a horizontal position below head height.
- 29.5 The Responsible Representative shall warn all persons under his control of the danger of being near "live" high-voltage equipment, and shall ensure that the warning is fully understood.
- 29.6 Where the conditions in clauses 30.1 to 30.4 cannot be observed the Electrical Officer (Contracts), shall be notified. He will arrange for suitable Safety measures to be taken. The Electrical Officer (Contracts), may in his discretion and in appropriate circumstances, arrange for a suitable employee of the Contractor to be specially trained by the network operator and at the Contractor's cost, as an Authorised Person to work closer than 3 metres from "live" overhead conductors and under such conditions as may be imposed by the senior responsible electrical engineer of the network operator.

30.0 USE OF EQUIPMENT

30.1 Measuring Tapes and Devices

- 30.1.1 Measuring tapes may be used near "live" high-voltage equipment provided that no part of any tape or a person's body comes within 3 metres of the "live" equipment.
- 30.1.2 In windy conditions the distance shall be increased to ensure that if the tape should fall it will not be blown nearer than 3 metres from the "live" high-voltage equipment.
- 30.1.3 Special measuring devices longer than 2 metres such as survey sticks and rods may be used if these are of non-conducting material and approved by the responsible Electrical Engineer of the network operator, but these devices must not be used within 3 metres of "live" high-voltage equipment in rainy or wet conditions.
- 30.1.4 The assistance of the Electrical Officer (Contracts) shall be requested when measurements within the limits defined in clauses 30.1.1 to 30.1.3 are required.
- 30.1.5 The restrictions described in 30.1.1 to 30.1.3 do not apply on a bridge deck between permanent parapets nor in other situations where a barrier effectively prevents contact with the "live" high-voltage equipment.

30.2 Portable Ladders

- 30.2.1 Any type of portable ladder longer than 2 metres may only be used near "live" high-voltage equipment under the direct supervision of the Responsible Representative. He shall ensure that the ladder is always used in such a manner that the distance from the base of the ladder to any "live" high-voltage equipment is greater than the fully extended length of the ladder plus 3 metres. Where these conditions cannot be observed, the Electrical Officer (Contracts) shall be advised, and he will arrange for suitable safety measures to be taken.

31.0 CARRYING AND HANDLING MATERIAL AND EQUIPMENT

- 31.1 Pipes, scaffolding, iron sheets, reinforcing bars and other material which exceeds 2 metres in length shall be carried completely below head height near "live" high-voltage equipment. For maximum safety such material should be carried by two or more persons so as to maintain it as nearly as possible in a horizontal position. The utmost care must be taken to ensure that no part of the material comes within 3 metres of any "live" high-voltage equipment.
- 31.2 Long lengths of wire or cable shall never be run out in conditions where a part of a wire or cable can come within 3 metres of any "live" high-voltage equipment unless the Electrical Officer (Contracts) has been advised and has approved appropriate safety precautions.
- 31.3 The presence of overhead power lines shall always be taken account of especially when communications lines or cables or aerial cables, stay wires, etc. are being erected above ground level.

32.0 PRECAUTIONS TO BE TAKEN WHEN ERECTING OR REMOVING POLES, ANTENNAE, TREES ETC.

- 32.1 A pole may be handled for the purpose of erection or removal near high-voltage equipment under the following conditions:

(i) If the distance between the point at which the pole is to be erected or removed and the nearest "live" high-voltage equipment is more than the length of the pole plus 3 metres, the work shall be supervised by the Responsible Representative.

(ii) If the distance described in (i) is less than the length of the pole plus 3 metres, the Electrical Officer (Contracts) shall be consulted to arrange for an Authorised Person to supervise the work and to ensure that the pole is earthed where possible. The pole shall be kept in contact with the point of erection, and adequate precautions shall be taken to prevent contact with "live" high-voltage equipment.

32.2 The cost of supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.

32.3 The provisions of clauses 33.1 and 33.2 shall also apply to the erection or removal of columns, antennae, trees, posts, etc.

33.0 USE OF WATER

33.1 No water shall be used in the form of a jet if it can make contact with any "live" high-voltage equipment or with any person working on such equipment.

34.0 USE OF CONSTRUCTION PLANT

34.1 "Construction plant" entails all types of plant including cranes, piling frames, boring machines, excavators, draglines, dewatering equipment and road vehicles with or without lifting equipment.

34.2 When work is being undertaken in such a position that it is possible for construction plant or its load to come within 3 metres of "live" high-voltage equipment, the Electrical Officer (Contracts) shall be consulted. He will arrange for an Authorised Person to supervise the work and to ensure that the plant is adequately earthed. The Electrical Officer (Contracts) will decide whether further safety measures are necessary.

34.3 The cost of any supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.

34.4 When loads are handled by cranes, non-metallic rope hand lines shall be used affixed to such loads so as to prevent their swinging and coming within 3 metres of "live" high-voltage equipment.

34.5 Clauses 35.1 to 35.4 shall apply *mutatis mutandis* to the use of maintenance machines of any nature.

35.0 WORK PERFORMED UNDER DEAD CONDITIONS UNDER COVER OF A WORK PERMIT

35.1 If the Responsible Representative finds that the work cannot be done in safety with the high-voltage electrical equipment "live", he shall consult the Electrical Officer (Contracts) who will decide on the action to be taken.

35.2 If a work permit is issued the Responsible Representative shall-

(i) before commencement of work ensure that the limits within which work may be carried out have been explained to him by the Authorised Person who issued the permit to him, and that he fully understands these limits.

(ii) sign portion C of the permit before commencement of work;

(iii) explain to all persons under his control the limits within which work may be carried out, and ensure that they fully understand these limits;

(iv) care for the safety of all persons under his control whilst work is in progress; and

(v) withdraw all personnel under his control from the equipment on completion of the work before he signs portion D of the work permit.

36.0 TRACTION RETURN CIRCUITS IN RAILS

36.1 DANGEROUS CONDITIONS CAN BE CREATED BY REMOVING OR SEVERING ANY BOND.

36.2 Broken rails with an air gap between the ends, and joints at which fishplates are removed under "broken bond" conditions, are potentially lethal. The rails on either side of an air gap between rail ends on electrified lines shall not be touched simultaneously until rendered safe by the network operator personnel.

36.3 The Contractor shall not break any permanent bonds between rails or between rails and any structure. He shall give the Contract Supervisor at least 7 days written notice when removal of such bonds is necessary.

36.4 No work on the track which involves interference with the traction return rail circuit either by cutting or removing the rails, or by removal of bonds shall be done unless the Electrical Officer (Contracts) is consulted. He will take such precautions as may be necessary to ensure continuity of the return circuit before permitting the work to be commenced.

37.0 HIGH-VOLTAGE ELECTRICAL EQUIPMENT NOT MAINTAINED AND/OR OPERATED BY THE NETWORK OPERATOR

Where the work is undertaken on or near high-voltage electrical equipment which is not maintained and/or operated by the network operator, the Occupational Health and Safety Act No. 85 of 1993, and Regulations and Instructions, or the Mines Health and Safety Act (Act 29 of 1996), shall apply.

Such equipment includes:-

- (i) Eskom and municipal equipment;
- (ii) The Contractor's own power supplies; and
- (iii) Electrical equipment being installed but not yet taken over from the Contractor.

END

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ANNEXURE 1
SHEET 1 of 5
AMENDMENT

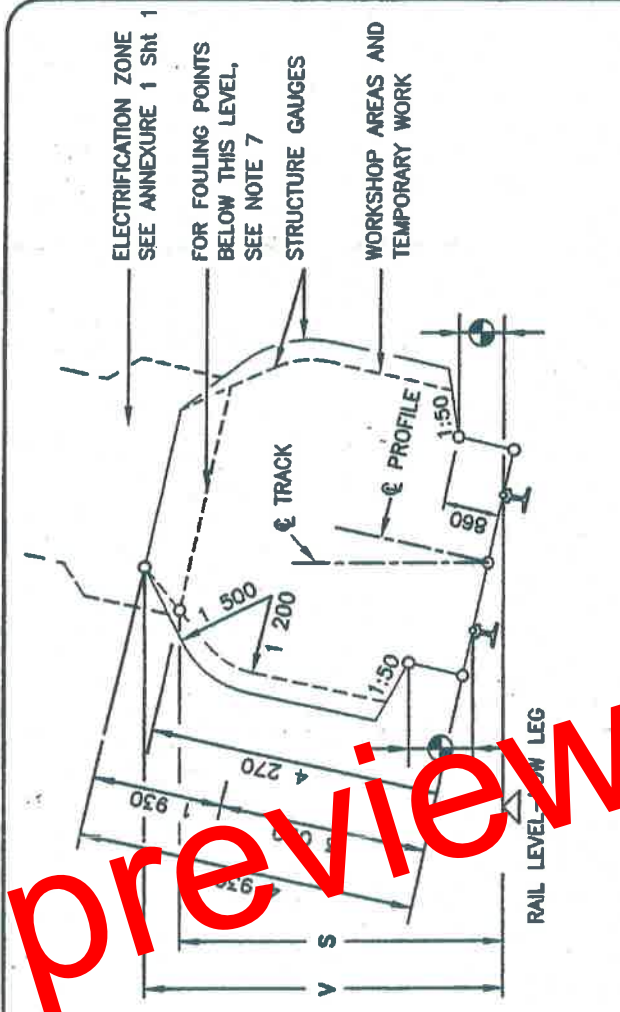
HORIZONTAL CLEARANCES :
1 065mm TRACK GAUGE



RADIUS (m)	WITH CANT		NO CANT	WITH CANT	
	H (mm)	L (mm)		H & L	B (mm)
90	2 730	3 090	2 780	1 130	2 000
100	2 700	3 030	2 750	1 140	2 050
120	2 650	2 970	2 700	1 160	2 010
140	2 620	2 920	2 680	1 175	1 990
170	2 590	2 870	2 630	1 190	1 970
200	2 570	2 820	2 600	1 205	1 950
250	2 550	2 790	2 580	1 230	1 920
300	2 540	2 760	2 560	1 250	1 900
350	2 530	2 730	2 540	1 270	1 890
400	2 520	2 710	2 530	1 290	1 875
500	2 510	2 680	2 520	1 320	1 850
600	2 500	2 660	2 510	1 340	1 830
800	2 490	2 620	2 500	1 365	1 790
1 000	2 480	2 600	2 490	1 380	1 760
1 200	2 480	2 580	2 490	1 200	1 730
1 500	2 480	2 550	2 480	1 415	1 700
2 000	2 480	2 500	2 480	1 440	1 660
3 000	2 470	2 470	2 470	1 500	1 600
>5 000	2 460	2 460	2 460	1 600	1 600

REMARKS:

1. H AND B IS THE REQUIRED HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT.
2. L AND C IS THE REQUIRED HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT.
3. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
4. FOR WORKSHOP AREAS AND TEMPORARY WORK, CLEARANCES H AND L MAY BE REDUCED BY 300mm.
5. Ⓢ SEE ANNEXURE 1 SHEET 3 FOR PLATFORM CLEARANCES.
6. ALSO REFER TO REMARKS 4 TO 8 OF ANNEXURE 1 SHEET 2.

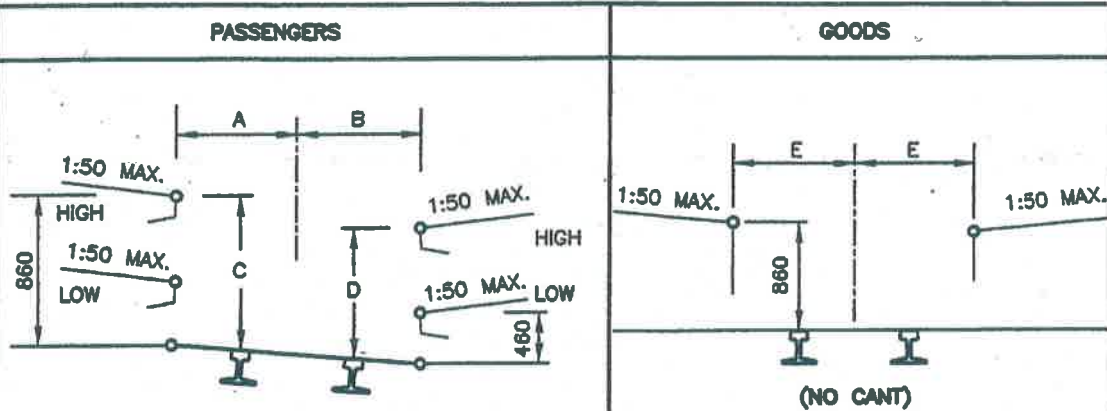


LOCATION	RADIUS (mm)	NOT ELECTRIFIED S (mm)	ELECTRIFIED (PRESENT OR FUTURE)	
			3kV & 25kV V (mm)	50kV V (mm)
* BELOW THOSE INDICATED BY ALL AREAS OTHER THAN	100	4 470	5 050	5 400
	300	4 410	5 020	5 370
	600	4 370	5 000	5 350
	1 000	4 350	4 990	5 340
	1 500	4 310	4 960	5 310
	2 000	4 290	4 940	5 290
	>3 000	4 270	4 930	5 280
* OVER OR NEAR POINTS AND CROSSING IF REQUIRED BY ELECTRICAL IRRESPECTIVE OF RADIUS			5 650	6 000

REMARKS:

1. V IS THE REQUIRED VERTICAL CLEARANCE EXCEPT WHERE REDUCED CLEARANCES APPLIES.
2. S IS THE MINIMUM VERTICAL CLEARANCE FOR STRUCTURES AND TEMPORARY WORK OVER NON-ELECTRIFIED LINES.
3. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
4. FOR APPLICATION AT CURVES
 - 4.1 APPLY INCREASED CLEARANCES FOR CURVES TO POINTS 3m BEYOND THE END OF THE CIRCULAR CURVE.
 - 4.2 REDUCE CLEARANCES AT A UNIFORM RATE OVER THE REMAINDER OF THE TRANSITION CURVE.
 - 4.3 FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 15m ALONG STRAIGHTS.
5. NEW STRUCTURES: SEE BRIDGE CODE.
6. TUNNELS: SEE DRAWING BE 82-35.
7. FOULING POINTS: SEE CLAUSE 8.1.
8. CLEARANCES ARE BASED ON 15m BOGIE CENTRES AND 24.2m VEHICLE BODY LENGTH.
9. SEE ANNEXURE 1 SHEET 3 FOR PLATFORM CLEARANCES.

PLATFORMS : TRACK GAUGE 1 065mm



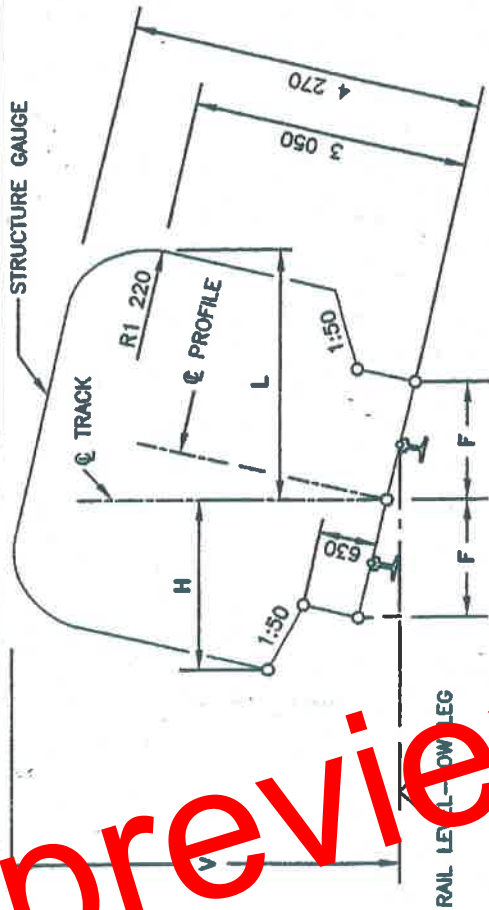
RADIUS (m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
90	1 690	1 820	890	810	1 840
100	1 650	1 790	890	810	1 810
120	1 610	1 740	890	810	1 780
140	1 580	1 700	890	810	1 720
170	1 550	1 660	890	810	1 690
200	1 530	1 630	890	820	1 670
250	1 510	1 600	890	820	1 640
300	1 500	1 580	890	830	1 620
350	1 520	1 560	880	830	1 600
400	1 520	1 550	880	840	1 590
500	1 520	1 540	880	850	1 580
600	1 520	1 530	870	850	1 570
800	1 520	1 520	860	860	1 560
1 200	1 520	1 520	860	860	1 550
2 000	1 520	1 520	860	860	1 540
3 000	1 520	1 520	860	860	1 530
STRAIGHT	1 520	1 520	860	860	1 520

REMARKS:

1. NO CANT TO BE APPLIED EXCEPT WHEN THE GOODS PLATFORMS ON A RUNNING LINE.
2. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
3. 8m TO MAIN STATION-BUILDINGS AND 3m TO ALL OTHER STRUCTURES.
4. TOLERANCES : SEE CLAUSE 8.0.10.

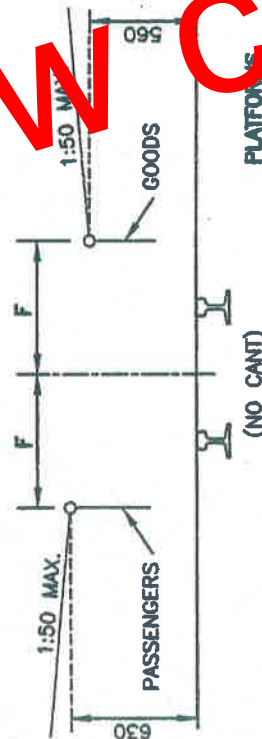
STRUCTURES ON PLATFORMS : 1 065mm AND 610mm TRACK GAUGE





RADIUS (m)	WITH CANT		NO CANT	V (mm)
	H (mm)	L (mm)		
50	2 370	2 490	2 400	4 320
70	2 310	2 420	2 330	4 310
100	2 260	2 370	2 280	4 310
140	2 220	2 340	2 250	4 310
200	2 200	2 300	2 220	4 300
300	2 190	2 270	2 200	4 300
500	2 180	2 230	2 190	4 290
700	2 170	2 200	2 180	4 270
1 000	2 170	2 170	2 170	4 270
> 2 000	2 160	2 160	2 160	4 270

RADIUS (m)	F (mm)
50	1 550
60	1 510
80	1 460
100	1 430
120	1 410
140	1 390
170	1 380
200	1 370
250	1 360
300	1 350
600	1 330
1 000	1 320
>2 000	1 320
STRAIGHT	1 310



REMARKS:

1. H IS THE MINIMUM HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT.
2. L IS THE MINIMUM HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT.
3. V IS THE MINIMUM VERTICAL CLEARANCE.
4. FOR APPLICATION AT CURVES:
 - 4.1 APPLY INCREASED CLEARANCES FOR CURVES TO POINTS 2m BEYOND THE ENDS OF THE CIRCULAR CURVE.
 - 4.2 REDUCE CLEARANCES AT A UNIFORM RATE OVER THE REMAINDER OF THE TRANSITION CURVE.
 - 4.3 FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 1m ALONG STRAIGHTS.
5. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
6. ALSO REFER TO REMARKS 5, 6 AND 7 OF ANNEXURE 1 SHEET 2.
7. CLEARANCES ARE BASED ON 9 700mm BOGIE CENTRES AND 13 700mm VEHICLE BODY LENGTH.
8. SEE ANNEXURE 1 SHEET 3 FOR STRUCTURES ON PLATFORMS.

1 April 2016

To Whom It May Concern

CONFIRMATION OF INSURANCE: TRANSNET (SOC) Limited Principal Controlled Insurance

In our capacity as Insurance Brokers to the Transnet Group of Companies, we hereby certify that the under-mentioned insurances are current:-

The Insured	Transnet (SOC) Limited, and their subsidiary and associated companies and/or Joint Venture Partners as required and for whom they have instructions to insure or they have or assume a responsibility to insure whether contractually or otherwise as their respective rights and interests may appear;
Division	TRANSNET FREIGHT RAIL
The Insured's VAT No.	4720103177
The Insured's Company Registration No.	1990/000900/30
Postal Address (Head Office)	PO Box 77501, Parkview, 2122
The Premises	Any location within the Territorial Limits upon which The Insured Contract is to be executed or carried out as more fully defined in The Insured Contract documents (if existing) together with so much of the surrounding area as may be required or designated for the performance of The Insured Contract.
Territorial Limits	The Republic of South Africa and to the extent permitted by the applicable insurance acts, the territories of Lesotho, Namibia, Swaziland, Botswana, Zimbabwe, Malawi, Angola, Zambia and Mozambique.
Period of Insurance	01st April 2016 to 31st March 2017 (both dates inclusive); and any subsequent period for which the Insured shall pay and the Insurers shall agree to accept Renewal premium

It is expressly understood and agreed that in respect of The Insured Contracts which fall to be insured in terms of this Policy and awarded prior to the inception of this Policy, this Policy shall provide cover in accordance with the policy (including deductible) in force at the time of award of such contract.

Co-Insured's

The Contractor: All Contractors undertaking work in connection with The Insured Contract including the Employer to the extent that the Employer undertakes work in connection with The Insured Contract;

Sub-Contractors: All Sub-Contractors employed by the Contractor and all other Sub- Contractors (whether nominated or otherwise) engaged in fulfilment of The Insured Contract; and to the extent required by any contract or agreement;

transporters, suppliers, manufacturers, vendors, other persons, persons providing storage facilities, plant owners and/or operators in respect of liability loss or damage arising out of The Insured Contract;

project managers, architects, land surveyors, quantity surveyors, engineers and other advisors or consultants or sub-consultants appointed in the performance of the Insured Contract activities arising at the Contract Site provided always that any such person shall not be insured hereunder in respect of liability loss or damage arising out of such person's error or omission in the performance of the professional services for which he was appointed;

any Local Provincial or Government Department with which the Insured enters into any contract or agreement for the performance of The Insured Contract;

all or their respective rights and interests.

The Insured Contract

All Contracts (including any undertaking awarded or commenced prior to inception of the Period of Insurance) involving design, construction, Performance Testing and Commissioning in respect of the Works and shall include capital expenditure, upgrade, modification, maintenance or overhaul, refurbishment, renovation, retrofitting or alterations and additions to existing facilities undertaken by the Insured or other Insured Parties acting on their behalf but excluding;

- a) which at award stage have a value in excess of R 1,000,000,000;
- b) with an estimated period exceeding 36 months but increasing to 60 months in respect of rail maintenance projects (excluding Defects Liability/Maintenance period);
- c) with a Contractual Defects Liability / Maintenance Period exceeding 24 months;
- d) involving construction or erection of petrochemical manufacturing plant(s) but this exclusion shall not apply to pipelines and other associated works undertaken by or on behalf of the Insured;
- e) in or on any aircraft;
- f) off-shore risks.

Performance Testing & Commissioning:

120 Days not consecutive.

Maintenance Period:

12 Months

Contract Works

Lead Insurer :
Mirabilis Engineering Underwriting Managers
(Pty) Ltd for and on behalf of Santam Limited
Company Registration Number:
2006/018854/07
VAT Registration Number:
4130230354
Financial Services Provider Number:
28190
Percentage of Whole:
55%

Co-Insurer :
Scintilla-ERU (Pty) LTD Underwriting Managers
for and on behalf of Hollard Insurance Company
Limited
Company Registration Number:
1998/011075/07
VAT Registration Number:
4450117405
Financial Services Provider Number:
9130
Percentage of Whole:
35%

Co-Insurer :
AC&E Engineering Underwriting Managers (Pty)
Limited for and on behalf of New National
Assurance Company Limited
Company Registration Number:
2009/015923/07
VAT Registration Number:
4020257368
Financial Services Provider Number:
43281
Percentage of Whole:
10%

The sum insured for the Indemnity in respect of any one occurrence or series of occurrences attributable to one original cause shall not exceed the estimated project value for which the Insured is responsible. It is however agreed that the Sum Insured shall be increased in respect of:

- contract escalation in the event of an increase in The Insured Contract value or value of work during the period of The Insured Contract , by an amount equal to 30%(thirty percentile) of the Sum Insured;
- post loss escalation in the event of the indemnity to be provided hereunder exceeding the estimated project value plus contract escalation, by an amount equal to 30%(thirty percentile) of the Sum Insured;
- devaluation in the event of devaluation of the Policy currency exchange against the country of origin occurring after commencement of The Insured Contract , by an amount equal to 30%(thirty percentile) of the estimated project value.

Deductibles:

The Deductibles are applicable in respect of each and every occurrence or series of occurrences arising out of or in connection with any one event giving rise to loss or damage liability insured by this Policy.

In respect of loss or damage

Major Perils shall mean damage caused by storm, rain, tempest, wind, flood, theft, malicious damage, subsidence, collapse, earthquake, testing or commissioning and the consequences of defective design, specification, materials or workmanship (DE4).

Contracts up to	Major perils	Minor perils
0 to R100,000,000	R 25,000	R 15,000
R100,000,001 to R250,000,000	R 50,000	R 15,000
R250,000,001 to R500,000,000	R 100,000	R 25,000
R500,000,001 to R1,000,000,000	R 150,000	R 25,000

Minimum wet risk deductible of R100,000 per occurrence to apply

LEG 3 Deductible (Only in respect of Mechanical and Electrical contracts)

Contracts up to	Deductible
0 to R500,000,000	R 1,000,000 per occurrence
R500,000,001 to R1,000,000,000	R 1,500,000 per occurrence

Public Liability

Primary Layer
The Insurers:
AIG Insurance Limited
Company Registration Number:
1962/003192/06
VAT Registration Number:
4390116939
Financial Services Provider Number:
15805
Followed by various underwriters.

Contractors Liability	R 500,000,000	each & every
Lateral Support	R 50,000,000	each & every
Sudden & Accidental Pollution (For the purpose of Employers Liability, all Contractors and/or sub- contractors employed in the performance of works for and on behalf of Transnet are not covered in terms of this section)	R 50,000,000	in aggregate

Deductibles:

Contractors liability	R	25,000
Contractual liability	R	25,000
Lateral support (property developers)	R	50,000
Spread of fire (including fire brakes and vegetation control)	R	250,000
Sudden & accidental pollution (including vegetation control)	R	250,000
Goods on the hook	R	250,000

Professional Indemnity

Primary Layer

The Insurers:

Risk Technical Services (Pty) Ltd for and on behalf of RMB Structured Insurance Limited
Company Registration Number:
2005/001652/07

Financial Services Provider Number:
41202

Followed by various underwriters

Design & Construct R 500,000,000 in aggregate plus 1 reinstatement

Deductibles:

In respect of each and every claim R 2,000,000

Important:

The "Certificate" of insurance cover arranged is issued as a matter of information only and conveys no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the Policy.

Kind regards,


Justin Russell
Registered FSB Representative
Account Executive
Tel: 011 944-7410
Email: Justin.Russell@aon.co.za