

T1.1 Tender Notice and Invitation to Tender

Transnet SOC Ltd invites tenders for Transnet Freight Rail, Real Estate Management, Kimberley
*Provision of maintenance to air-conditioners in Bloemfontein, on an as & when required basis for a period of 24
Months.*

The physical address for collection of tender documents is Transnet Freight Rail, Supply Chain Services, Real Estate Management Building, Room 1, Austen Street, Beaconsfield in Kimberley. **A non-refundable** admin fee of **R250.00 (inclusive of Vat) is applicable per tender. (Only when RFQ document are collected or send per mail from this office). Payment is to be made to Transnet Freight Rail, Standard Bank Account number 203158598, Branch code 004805.** The deposit slip must reflect **RFQ: BFX/54126** and the contractor's company name. Proof of payment presented prior to the collection of the tender.

OR

If Bidders intend to download the RFQ document from Transnet Freight Rail Portal at <http://www.transnetfreightrail-tfr.net/Supplier/Pages/Tenders.aspx> this downloaded tender document is FREE OF CHARGE. After the document has been downloaded, bidders are required to send their **contact** details to the following address: **kobie.nelson@transnet.net** by 24 March 2017 before 15H00. This is to ensure that any required communication (e.g. addenda to the RFQ) in relation to this RFQ reaches those intending to respond.

For enquiries regarding collection of documents, contact Ms Kobie Nelson (053) 838 3364

A **compulsory clarification** meeting with representatives of the Employer will take place at REM boardroom at Nathan Street in Bloemfontein on 27 March 2017 starting at 11H00 hrs. All bidders attending the site meeting must have their printed RFQ document with them before the meeting starts. **Bidders who do not have their printed document will be excluded from the meeting, as well as their bids disqualified.**

The closing time for receipt of tenders is 10H00 hrs. On 11 April 2017. In the tender box 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.

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.**



NEC3 Term Service Contract (TSC)

entered into by and between

Transnet SOC Ltd

Registration Number 1990/000900/06

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

and

Pending

Registration Number:

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

Contract Number	BFX/54126
Start Date	To be advised
Completion Date	To be advised

TRANSNET FREIGHT RAIL

ENQUIRY NUMBER: BFX/54126

DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN
REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

CONTRACT DOCUMENTS

Form of Offer and Acceptance

Contract Data

Part One – Data provided by the *Employer*

Part Two – Data provided by the *Contractor*

Conditions of Contract (3rd edition – available separately)

Pricing Data

Service Information

Site Information

Appendices

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BFX/54126 **DESCRIPTION OF THE WORKS: Provision of maintenance to air conditioners in Bloemfontein, on an as & when required basis within a period of 24 months.**

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T1.2 Tender Data (Alternative Method 2)

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), 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 <i>Employer</i> is Transnet SOC Ltd (Reg No. 1990/000900/30)
F.1.2	The tender documents issued by the <i>Employer</i> comprise: Part T: The Tender Part T1: Tendering procedures T1.1 Tender Notice and Invitation to Tender T1.2 Tender Data Part T2 : Returnable documents T2.1 List of Returnable Documents T2.2 Returnable Schedules Part C: The Contract Part C1: Agreements and contract data C1.1 Form of Offer and Acceptance C1.2 Contract Data (Part 1 & 2) Part C2: Pricing data C2.1 Pricing Instructions C2.2 Price List Part C3: Scope of work C3.1 Service Information Part C4: Site information C4.1 Site Information
F.1.4	The Employer's agent is: Name: Christopher Williams Address: Real Estate Management Building, Austen Street, Beaconsfield, Kimberley Tel No. 053 083-3477 Fax No. 011 774 9787 E – mail Christopher.Williams@transnet.net

F.2.1 Only those tenderers who satisfy the following eligibility criteria are eligible to submit tenders:

1. Tender offers will only be considered if:
 - a) An authorised representative of the tendering entity attends the compulsory clarification meeting in terms F.2.7 below *(if applicable)*
 - b) SAQCC Gas Registration Certificate

2. Only those 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 a **1EB** or higher class of construction work, are eligible to have their tenders evaluated.

Joint ventures are eligible to submit tenders provided that:

1. every member of the joint venture is registered with the CIDB;
2. the lead partner has a contractor grading designation in the **1EB** or higher class of construction work; and
3. the combined *Contractor* grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a *Contractor* grading designation determined in accordance with the sum tendered for a **1EB** or higher class of construction work or a value determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations

3. Pre-Qualifying Quality (Functionality) Criteria

Only those tenderers who attain the minimum number of evaluation points for Quality (functionality) will be eligible for further evaluation, failure to meet the minimum threshold will result in the tender being disqualified and removed from further consideration

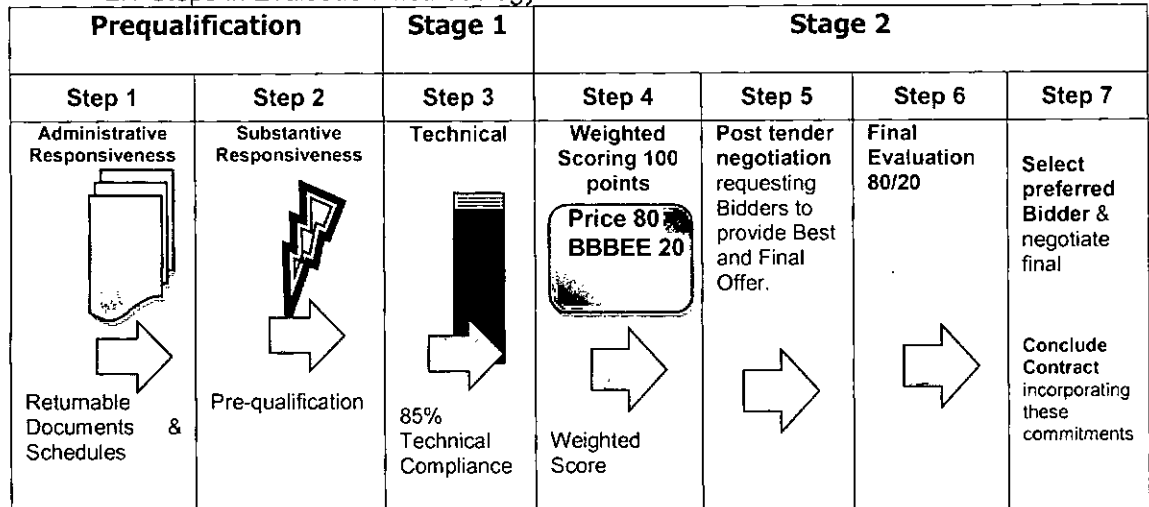
1. Evaluation Criteria

1.1 Technical Description

Management and CV's of key persons	50%
Health and Safety Plan	20%
Previous experience	30%
TOTAL	100%

2. Evaluation Methodology

2.1 Steps in Evaluation Methodology



3.2 Pre-Qualification

Step 1: Administrative Responsiveness: All Returnable Documents/Schedules provided: Mandatory and Essential.

Step 2: Substantive Responsiveness: All Mandatory documents complete and correct and acceptable response to any clarification on Essential documentation.

- Management and CV's of key persons
- Health and Safety Plan
- Previous Experience

Stage 1 Step 3: Technical Evaluation Criteria: Test minimum threshold of 85% for Technical (Quality) Criteria

1 Technical Scoring Matrix

Point	Interpretation
0	No Response / Failed outright/unacceptable
40	Poor
70	Satisfactory
90	Good
100	Very Good

Pre-qualifying criteria	Sub-criteria	Maximum number of points	Maximum threshold
Company's previous	Relevance of experience	30	30

Experience			
Management Arrangements and CV's of key persons	CV's of personnel	50	50
Health & Safety Plan	Health & Safety Plan	20	20
Maximum possible score for quality (WQ)			100%

The pre-qualifying Quality (functionality) criteria and maximum score in respect of each of the criteria are as follows:

Pre-qualifying Quality criteria	Sub-Criteria	Maximum number of points	Maximum number of points
Management Arrangements and CV's of key persons T2.2-7 Experience of staff allocated to the project/availability of skills to manage and perform the contract (assigned personnel)	• Organogram of Company	5	43/50
	• General experience and qualifications		
	- Qualified installation electrician	20	
	- Qualified SAQCC Gas – Air-conditioning Technician	20	
	• Adequacy of the assignment.	2.5	
	• Knowledge of local issues pertinent to the project.	2.5	
Health and Safety Plan T2.2-22	• Valid Letter of Good Standing (Labour, Insurance, SARS)	2.5	17/20
	• SHE Management System	2.5	
	• Overview of RA process and examples.	2.5	
	• Six months synopsis of SHE incidents, description, type and action taken.	2.5	
	• Safe Working Procedure for Hand Tools and Equipment	2.5	
	• Overview of RA process and examples.	2.5	

	<ul style="list-style-type: none"> • Six months synopsis of SHE incidents, description, type and action taken. 	2.5	
	<ul style="list-style-type: none"> • Safe Working Procedure for Hand Tools and Equipment 	2.5	
<p>Previous Experience</p> <p>T2.2-25 Tenderer's experience in carrying out work of a similar nature</p>	<p>Relevance of experience (Years of Experience Project Specific) – (comparable/similar projects)</p> <p>No Experience</p> <p>1 to 3 Year's Experience</p> <p>4 to 6 Year's Experience</p> <p>7 to 10 Year's Experience</p> <p>> 10 Year's Experience</p>	15	26/30

Pre-qualifying Quality shall be scored by not less than three evaluators and averaged in accordance with the following schedules: *(List applicable evaluation schedules and include such schedules in the returnable schedules)*

- T2.2-22 Health and Safety Plan
- T2.2-25 Previous Experience
- T2.2-7 Management and CV's of Key Persons

The minimum number of evaluation points for quality is : 85

The persons named in the Schedule of Key Persons of tenderers who satisfy the minimum quality criteria may be invited to an interview. Tenderers who attain a score of less than 50% of the points allocated to the interview will be declared ineligible to tender.

Each evaluation criteria will be assessed in terms of Five indicators – no response, poor, satisfactory, good and very good. Scores of 0, 40, 70, 90 or 100 will be allocated to no response, poor, satisfactory, good and very good, respectively. The scores of each of the evaluators will be averaged, weighted and then totalled to obtain the final score for quality, unless scored collectively. (See CIDB Inform Practice Note #9)

Note: Any tender not complying with all three of the above mentioned stipulations, numbered 1 to 3, will be regarded as non-responsive and will therefore not be considered for further evaluation

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.

F.2.12 No alternative tender offers will be considered.

F.2.13.3 Parts of each tender offer communicated on paper shall be as an original.

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

Location of tender box: Office No 2

Physical address: Transnet SOC Limited
Secretariat of the Acquisition Council, Admin support Office
Office No 2
Real Estate Management Building
Austen Street, Beaconsfield
Kimberley
8300

F.2.15.1 Identification details: The tender documents must be submitted in a sealed envelope labelled with:

- Name of Tenderer
- Contact person and details
- The Tender number: **BFX/54126**
- The Tender Description: Provision of maintenance to air conditioners in Bloemfontein, on an as & when required basis within a period of 24 months.

Documents must be marked for the attention of:
Christopher Williams

Prior arrangement on the submittal of large tender documents should be made with the Procurement Manager.

NO LATE TENDERS WILL BE ACCEPTED

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 12 weeks

F.2.18 Provide, on request by the *Employer*, 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 *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.2.20 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. (The format is included in Part T2.2 of this procurement document).

F.2.22 Return all retained tender documents within 28 days after the expiry of the validity period

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

1. a valid **original** Tax Clearance Certificate issued by the South African Revenue Services;
2. A valid certified SANAS accredited or IRBA approved B-BBEE verification certificate, and
3. A completed Supplier Declaration Form (Stamped and signed by the commissioner of oaths)
4. Letter of Good Standing

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 10:15 on Tuesday, 11 April 2017

Location: Ground Floor, Boardroom, Real Estate Management, Austen Street, Beaconsfield, Kimberley

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

F.3.11.7 The financial offer will be scored using Formula 2 (option 1) in Table F.1 where the value of W_1 is:

80 where the financial value inclusive of VAT of one or more responsive tender offers have a value that equals or is less than R 1,000 000

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 exceed the estimated Rand value of R1 000 000, the tender invitation must be cancelled

F.3.13 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 submits a letter of intent from an insurer undertaking to provide the Performance Bond to the format included in Part T2.2 of this procurement document
- c) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation;
- d) 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;
- e) the tenderer does not appear on Transnet list for restricted tenderers.
- f) 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;
- g) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer;
- h) 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).

T1.3 CIDB Standard Conditions of Tender

January 2009 Edition



As published in Annexure F of the CIDB Standard for Uniformity in Construction Procurement in Board Notice 12 of 2009 in Government Gazette No 31823 of 30 January 2009

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.

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 tenderer's financial offer after all tendered parameters that will affect the value of the financial offer have been taken into consideration in order to enable comparisons to be made between offers on a comparative basis

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; and

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) **organisation** means a company, firm, enterprise, association or other legal entity, whether incorporated or not, or a public body

f) **quality (functionality)** means the totality of features and characteristics of a product or service that bear on its ability to satisfy stated or implied needs

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 from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

F.1.5 The employer's right to accept or reject any tender offer

F.1.5.1 The employer may accept or reject any variation, deviation, tender offer, or alternative tender offer, and may cancel the tender process and reject all tender offers at any time before the formation of a contract. The employer shall not accept or incur any liability to a tenderer for such cancellation and rejection, but will give written reasons for such action upon written request to do so.

F.1.5.2 The employer may not subsequent to the cancellation or abandonment of a tender process or the rejection of all responsive tender offers re-issue a tender covering substantially the same scope of work within a period of six months unless only one tender was received and such tender was returned unopened to the tenderer.

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

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.2.3 Check documents

Check the tender documents on 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 familiarise 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. Erasures and the use of masking fluid are prohibited.

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.2.13 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, policies, etc.

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 tenderer

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, preferences claimed 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 the quality 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 quality evaluation more than the minimum number of points for quality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any preferences claimed. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for quality.

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.

F.3.8.3 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 Arithmetical errors, omissions and discrepancies

- F.3.9.1** Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.
- F.3.9.2** 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.3.11 for:
- a) the gross misplacement of the decimal point in any unit rate;
 - b) omissions 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.3.9.3** Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.
- F.3.9.4** Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:
- a) 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.
 - b) 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.

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: Financial offer

In the case of a financial offer:

- a) Rank tender offers from the most favourable to the least favourable comparative offer.
- b) Recommend the highest ranked tenderer for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- c) Re-rank all tenderers should there be compelling and justifiable reasons not to recommend the highest ranked tenderer and recommend the highest ranked tenderer, unless there are compelling and justifiable reasons not to do so and the process set out in this subclause is repeated.

F.3.11.3 Methods 2: Financial offer and preference

In the case of a financial offer and preferences:

- a) Score each tender in respect of the financial offer made and preferences claimed, if any, in accordance with the provisions of F.3.11.7 and F.3.11.8.
- b) Calculate the total number of tender evaluation points (*TEV*) in accordance with the following formula:
$$TEV = NFO + NP$$
where: *NFO* is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.7;
NP is the number of tender evaluation points awarded for preferences claimed in accordance with F.3.11.8.
- c) Rank tender offers from the highest number of tender evaluation points to the lowest.
- d) Recommend the tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points, and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in this subclause is repeated

F.3.11.4 Method 3: Financial offer and quality

In the case of a financial offer and quality:

- a) Score each tender in respect of the financial offer made and the quality offered in accordance with the provisions of F.3.11.7 and F.3.11.9, rejecting all tender offers that fail to score the minimum number of points for quality stated in the tender data, if any.
- b) Calculate the total number of tender evaluation points (*TEV*) in accordance with the following formula:
$$TEV = NFO + NQ$$
where: *NFO* is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.7;
NQ is the number of tender evaluation points awarded for quality offered in accordance with F.3.11.9.
- c) Rank tender offers from the highest number of tender evaluation points to the lowest.
- d) Recommend tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in this subclause is repeated.

F.3.11.5 Method 4: Financial offer, quality and preferences

In the case of a financial offer, quality and preferences:

- a) Score each tender in respect of the financial offer made, preference claimed, if any, and the quality offered in accordance with the provisions of F.3.11.7 to

F.3.11.9, rejecting all tender offers that fail to score the minimum number of points for quality stated in the tender data, if any.

- b) Calculate the total number of tender evaluation points (*TEV*) in accordance with the following formula, unless otherwise stated in the Tender Data:

$$TEV = NFO + NP + NQ$$

where: *NFO* is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.7;
NP is the number of tender evaluation points awarded for preferences claimed in accordance with F.3.11.8.
NQ is the number of tender evaluation points awarded for quality offered in accordance with F.3.11.9.

- c) Rank tender offers from the highest number of tender evaluation points to the lowest.
- d) Recommend the tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in this subclause is repeated.

F.3.11.6 Decimal places

Score financial offers, preferences and quality, as relevant, to two decimal places.

F.3.11.7 Scoring Financial Offers

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

$$NFO = W1 \times A$$

where: *NFO* is the number of tender evaluation points awarded for the financial offer.
W1 is the maximum possible number of tender evaluation points awarded for the financial offer 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	$A = (1 + \frac{P - Pm}{Pm})$	$A = P / Pm$
2	Lowest price or percentage commission / fee	$A = (1 + \frac{P - Pm}{Pm})$	$A = Pm / P$

^a *Pm* 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 quality

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:

$$NQ = W2 \times SO / MS$$

where: *SO* is the score for quality allocated to the submission under consideration;
MS is the maximum possible score for quality in respect of a submission; and
W2 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 unacceptable commercial risk and only if the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
- b) 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,
- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, 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.

T2.1 List of Returnable Documents

1. These schedules are required for eligibility purposes:

T2.2-15 **Eligibility Criteria Schedule:** Certification of attendance at a tender clarification meeting

2. These schedules will be utilised for the evaluation of Functionality Criteria

T2.2.7 Management and CV's of Key Persons

T2.2-25 Previous Experience

T2.2-22 Health and Safety Plan

3. Returnable Schedules

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

T2.2-14 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

T2.2-22 Health and Safety Plan

T2.2-24 Capacity and ability to meet delivery schedule

T2.2-25 Previous experience

T2.2-31 Supplier Code of Conduct

T2.2-34 Supplier Declaration Form

T2.2-36 RFQ Declaration Form

T2.2.43 Breach of Law

T2.2-50 B-BBEE Preference Points claim Form

T2.2-51 Certificate of Acquaintance with Tender Documents

TRANSNET FREIGHT RAIL

ENQUIRY NUMBER: BFX/54126

DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

4. **C1.1: Offer portion of Form of Offer & Acceptance**
5. **C1.2: Contract Data Part 2: Data by *Contractor***
6. **C2.2: Price List**
7. **C3.1: Service Information**
8. **C4.1: Site Information**

T2.2-3: Risk Elements

Tenderers to review the potential risk elements associated with the Project. The risk elements are to be listed separately in this Schedule. If No Risks are identified "No Risks" must be stated on this schedule.

Notwithstanding this information, all costs related to risk elements which are at the *Contractor's* risk are deemed to be included in the tenderer's offered total of the Prices.

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. Amongst others, he needs to provide detailed schedules of the following:

- Material delivery schedule
- Plant schedule
- Labour schedule

Number of Equipment	Equipment Type – Description	Hourly Rate

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-7: Management & CV's of Key Persons – ECC¹

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 you have identified in the Contract Data Part two and 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 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:

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

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

¹NEC3 Engineering & Construction Contract (with amendments June 2006 and April 2013)

T2.2-8: Schedule of Proposed Subcontractors

We notify you that it is our intention to employ the following subcontractors / sub consultants 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/ Consultant	Nature and extent of work	Previous experience with Subcontractor/ Consultant.	B-BBEEE Level Certificates to be attached	Value of subcontracted Work (excl. 14% Vat)	% Ownership Black Ownership
1.						
2.						
3.						
4.						
5.						
6.						

Signed _____ Date _____
 Name _____ Position _____
 Tenderer _____

T2.2-9: Insurance provided by the Contractor

Clause 84.1 in NEC3 Engineering & Construction Contract (June 2005)(amended June 2006 and April 2013) 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 84.2 of the ECC)	Name of Insurance Company	Cover	Premium
Loss of or damage to the works, Plant and Materials			
Loss of or damage to Equipment			
Liability for loss of or damage to property (except the works, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the Contractor) caused by activity in connection with this contract.			
Liability for death of or bodily injury to employees of the Contractor arising out of and in the course of their employment in connection with this contract			
(Other)			

Signed _____ 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	
_____	_____	_____	_____

B. Certificate for Partnership

We, the undersigned, being the **key partners** in the business trading as _____
 _____ hereby authorise Mr/Ms _____, acting in the capacity of _____
 _____, to sign all documents in connection with the tender offer for Contract _____
 _____ and any contract resulting from it on our behalf.

Name	Address	Signature	Date

NOTE: This certificate is to be completed and signed by the full number of Partners necessary to commit the Partnership. Attach additional pages if more space is required.

C. Certificate for Joint Venture

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Ms _____
 _____, an authorised signatory of the company _____
 _____, acting in the capacity of lead partner, to sign all documents in connection with the tender offer for
 Contract _____ and any contract resulting from it on our behalf.

This authorisation is evidenced by the attached power of attorney signed by legally authorised signatories of all the
 partners to the Joint Venture.

Furthermore we attach to this Schedule a copy of the joint venture agreement which incorporates a statement that
 all partners are liable jointly and severally for the execution of the contract and that the lead partner is authorised
 to incur liabilities, receive instructions and payments and be responsible for the entire execution of the contract for
 and on behalf of any and all the partners.

Name of firm	Address	Authorising signature, name (in caps) and capacity

D. Certificate for Sole Proprietor

I, _____, hereby confirm that I am the sole owner of the business trading as

Signed _____ Date _____

Name _____ Position Sole Proprietor

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:	REM Boardroom, Nathan Street, Bloemfontein	
On (date)	27 March 2017	Starting time: 11H00

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.

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 the National Assembly or the National Council of Province | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | <input type="checkbox"/> an employee of Parliament or a provincial legislature |
| <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:

- a member of any municipal council
- a member of any provincial legislature
- a member of the National Assembly or the National Council of Province
- a member of the board of directors of any municipal entity
- an official of any municipality or municipal entity
- 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)
- a member of an accounting authority of any national or provincial public entity
- an employee of Parliament or a provincial legislature

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

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:

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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's 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 (Attachment No. 8) included in the Health and Safety Specification TCP-HAS-STD-0001 Rev 00 found in attached CD under Specifications folder.
13. Construction Safety File (Index)
14. Construction Safety Work Method Statement

Attached submissions to this schedule:

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Signed	_____	Date	_____
Name	_____	Position	_____
Tenderer	_____		

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:

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

Signed

Date

Name

Position

Tenderer

47

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.

Employer, contact person and telephone number	Description of contract	Value of work Inclusive of VAT (Rand)	Date Completed

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-31: Supplier Code of Conduct

Transnet 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 (BBBEE)
- 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 appraise 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 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 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 BBBEE 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, BBBEE 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.

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 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



SUPPLIER DECLARATION FORM

Transnet Vendor Management has received a request to load / change your company details on to the Transnet vendor database. Please return the completed Supplier Declaration Form (SDF) together with the required supporting documents as per Appendix V to the Transnet Official who is intending to procure your company's services / products, to enable us to process this request. Please only submit the documentation relevant to your request.

NB: Effective 1 April 2016 all organisations, institutions and individuals who wish to provide goods and/or services to Organs of the State must be registered on the National Treasury Central Supplier Database (CSD). This needs to be done via their portal at <https://secure.csd.gov.za/> **before applying to Transnet.**

General Terms and Conditions:

Failure to submit the relevant documentation will delay the vendor creation / change process.

Where applicable, the respective Transnet Operating Division processing your application may request further information from you.

The Service Provider warrants that the details of its bank account ("the nominated account") provided herein, are correct and acknowledges that payments due to the Supplier will be made into the nominated account. If details of the nominated account should change, the Service Provider must notify Transnet in writing of such change, failing which any payments made by Transnet into the nominated account will constitute a full discharge of the indebtedness of Transnet to the Supplier in respect of the payment so made. Transnet will incur no liability for any payments made to the incorrect account or any costs associated therewith. In such event, the Service Provider indemnifies and holds Transnet harmless in respect of any payments made to an incorrect bank account and will, on demand, pay Transnet any costs associated herewith.

Transnet expects its suppliers to timeously renew their Tax Clearance and B-BBEE certificates (where applicable, as EMEs and QSEs are only expected to supply an affidavit as per Appendix III and IV), as well as all affidavits, annually. Failure to do so may result in the supplier's account being temporarily suspended.



SUPPLIER DECLARATION FORM

NB: Effective 1 April 2016 all organisations, institutions and individuals who wish to provide goods and/or services to Organs of the State must be registered on the National Treasury Central Supplier Database (CSD). This needs to be done via their portal at <https://secure.csd.gov.za/> **before applying to Transnet.**

CSD Number (MAAA xxxxxxx):

Company Trading Name						
Company Registered Name						
Company Registration No. Or ID No If a Sole Proprietor						
Company Income Tax Number						
Form of Entity	CC	Trust	Pty Ltd	Limited	Partnership	Sole Proprietor
	Non-profit	Personal Liability Co	State Owned Co	National Govt	Provincial Govt	Local Govt
	Educational Institution	Specialised Profession	Financial Institution	Foreign International	Foreign Branch Office	

Did your company previously operate under another name? Yes No

If **YES** state the previous details below:

Trading Name						
Registered Name						
Company Registration No Or ID No If a Sole Proprietor						
Form of Entity	CC	Trust	Pty Ltd	Limited	Partnership	Sole Proprietor
	Non-profit	Personal Liability Co	State Owned Co	National Govt	Provincial Govt	Local Govt
	Educational Institution	Specialised Profession	Financial Institution	Foreign International	Foreign Branch Office	

Your Current Company's VAT Registration Status

VAT Registration Number	
If Exempted from VAT registration , state reason and submit proof from SARS in confirming the exemption status	
If your business entity is not VAT Registered, please submit a current original sworn affidavit (see example in Appendix I). Your Non VAT Registration must be confirmed annually.	

Company Banking Details	Bank Name
Universal Branch Code	Bank Account Number

Company Physical Address	Code
Company Postal Address	Code
Company Telephone number	
Company Fax Number	
Company E-Mail Address	
Company Website Address	

Company Contact Person Name	
Designation	
Telephone	
Email	

Document Name: Supplier Declaration Form

Revision: Version 7.3

Date: 4 April 2016



delivering freight reliably

Is your company a Labour Broker?		Yes	No
Main Product / Service Supplied e.g. Stationery / Consulting / Labour etc.			
How many personnel does the business employ?		Full Time	Part Time
Please Note: Should your business employ more than 2 full time employees who are not connected persons as defined in the Income Tax Act, please submit a sworn affidavit, as per Appendix II.			

Most recent Financial Year's Annual Turnover	<R10Million	>R10Million <R50Million	>R50Million
--	-------------	----------------------------	-------------

Does your company have a valid BBBEE certificate?		Yes	No
What is your broad based BEE status (Level 1 to 9)			
Majority Race of Ownership			
% Black Ownership	% Black Women ownership	% Black Disabled person(s) ownership	% Black Youth ownership
Please Note: Please provide proof of BBBEE status as per Appendix V. If you qualify as an EME or QSE then provide an affidavit following the examples provided in Appendix III and IV respectively. If you have indicated Black Disabled person(s) ownership, then provide a certified letter signed by a physician, on the physician's letterhead, confirming the disability.			

By signing below, I hereby verify that I am duly authorised to sign for and on behalf of firm / organisation and that all information contained herein and attached herewith are true and correct

Name	Designation
Signature	Date

Stamp And Signature Of Commissioner Of Oaths

Name	Date
Signature	Telephone No



Internal Transnet Departmental Questionnaire (For Office Use Only)

Company Trading Name	
Company Registered Name	

Operating Division											
TFR	TFR RME	TE	TPT	TPL	TNPA	TRN PROP	TRN TCC	TRN FOUN	TRN TCP		
Create		Amend			Block			Unblock			
Extend		Delete			Undelete			Once-Off / Emergency			

Please indicate whether the Supplier has a contract with sourcing Transnet OD Yes No

If yes, please submit a copy of the adjudication document / signed-off comparative schedule

Transnet B-BBEE Department Contact Person		Signature	
Contact number		Email	

THE FOLLOWING IS TO BE COMPLETED BY THE TRANSNET REQUESTING/SOURCING DEPARTMENT. THE FULL SET OF VENDOR RELATED DOCUMENTS MUST THEN BE FORWARDED TO THE APPROPRIATE VENDOR APPROVAL OFFICIAL FOR APPROVAL

What is being procured from the supplier?			
i. Products Only	Yes		No
ii. Services Only	Yes		No
iii. Labour Only	Yes		No
iv. Mix of Products and Services	Yes		No
v. Mix of Services and Labour	Yes		No

If your answer is **YES** to any of the questions ii to v above and the applicant supplier has not submitted a sworn affidavit as per Appendix II, the matter should be further investigated in terms of the Tax Withholding Procedures. Where necessary you may approach your Operating Division's Procurement Department for guidance in this regard. Details of the appropriate Transnet decision-making body such as a Cross Functional Sourcing Team, should be indicated below. **A copy of the signed-off document by the mentioned decision-making body should also be attached.**

Type	Deduct Tax		If Tax should be deducted (Indicate % to be deducted)	Department Responsible for Payment
	Yes	No		(PROCUREMENT OR PAYROLL) * IF PAYROLL SHOULD EFFECT PAYMENT, THE DOCUMENTS SHOULD BE FORWARDED TO THEIR OFFICE
Service Provider	Yes	No		
Labour broker without IRP30 exemption certificate	Yes	No		
Labour broker with IRP30 exemption certificate	Yes	No		
Personal Service Provider	Yes	No		
Independent Contractor	Yes	No		
None of the above apply, state reason				

If PAYE is to be deducted, please indicate whether the applicant supplier has indicated in writing that it is prepared to comply with Transnet's PAYE conditions. **(Please attached a copy of the written communication)**

If the reply is "NO", the vendor application will be regarded as cancelled and another service provider should be sourced.



CERTIFICATION AND APPROVAL OF PROPOSED VENDOR CREATION/VENDOR DETAILS UPDATE BY TRANSNET OFFICIAL WITH APPROPRIATE DELEGATED AUTHORITY.

I hereby certify that the Transnet Procurement Procedure Manual (PPM) / Procurement Mechanisms have in ALL RESPECTS been adhered to and therefore approve the proposed vendor creation/vendor details update.

Vendor Approval Officials Details														
Name						Designation								
Tel No						Fax No								
e-Mail														
Signature						Date	Y	Y	Y	Y	M	M	D	D

T2.2-36: TENDER DECLARATION FORM

NAME OF COMPANY: _____

We _____ do hereby certify that:

1. Transnet has supplied and we have received appropriate tender offers to any/all questions (as applicable) which were submitted by ourselves for tender clarification purposes;
2. we have received all information we deemed necessary for the completion of this Tender;
3. at no stage have we received additional information relating to the subject matter of this tender from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the tender documents;
4. we are satisfied, insofar as our company is concerned, that the processes and procedures adopted by Transnet in issuing this TENDER and the requirements requested from tenderers in responding to this TENDER 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 tender 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 Tenderers" 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 duly authorised thereto	AS WITNESS:
Name:	Name:
Position:	Position:
Signature:	Signature:
Date:	
Place:	

T2.2-43: REQUEST FOR PROPOSAL – 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

T2.2-50: B-BBEE PREFERENCE POINTS CLAIM FORM

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

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2011.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R1 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R1 000 000 (all applicable taxes included).

1.2 The value of this bid is estimated to not exceed R1 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable.

1.3 Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTION	20
Total points for Price and B-BBEE must not exceed	100

1.5 **Failure on the part of a bidder to submit** a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System [SANAS], or a Registered Auditor approved by the Independent Regulatory Board of Auditors [IRBA] or a sworn affidavit confirming annual turnover and level of black ownership in case of all EMEs and QSEs with 51% black ownership or more together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution **are not claimed**.

1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

- (a) "all applicable taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) "B-BBEE" means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) "B-BBEE status level of contributor" means the B-BBEE status received by a measured entity

based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

- (d) "**bid**" means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) "**Broad-Based Black Economic Empowerment Act**" means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (f) "**CIPC**" means the Companies and Intellectual Property Commission, formerly known as CIPRO, the Companies and Intellectual Property Registration Office.
- (g) "**comparative price**" means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- (h) "**consortium or joint venture**" means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- (i) "**contract**" means the agreement that results from the acceptance of a bid by an organ of state;
- (j) "**EME**" means an Exempted Micro Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (k) "**firm price**" means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- (l) "**functionality**" means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- (m) "**non-firm prices**" means all prices other than "firm" prices;
- (n) "**person**" includes a juristic person;
- (o) "**QSE**" means a Qualifying Small EEnterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (p) "**rand value**" means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- (q) "**sub-contract**" means the primary contractor's assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- (r) "**total revenue**" bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 9 February 2007;
- (s) "**trust**" means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- (t) "**trustee**" means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.
- 3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

4. POINTS AWARDED FOR PRICE

4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

- Ps = Points scored for comparative price of bid under consideration
- Pt = Comparative price of bid under consideration
- Pmin = Comparative price of lowest acceptable bid

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

- 5.1 In terms of Regulation 5 (2) and 6 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points	Number of points
	(90/10 system)	(80/20 system)
1	10	20
2	9	18
3	8	16
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 5.2 A bidder who qualifies as an EME in terms of the B-BBEE Act **must submit a sworn affidavit confirming Annual Total Revenue and Level of Black Ownership.** Furthermore EMEs may also obtain a sworn affidavit from CIPC (formerly CIPRO) Self Service Terminals when registering a

business or filing annual returns. In these instances Transnet would require proof of turnover as well as proof of ownership. Sworn affidavits must substantially comply with the format that can be obtained on the DTI's website at www.dti.gov.za/economic_empowerment/bee_codes.jsp.

- 5.3 **QSEs that are at least 51% Black owned or higher are only required to obtain a sworn affidavit** on an annual basis confirming that the entity has an Annual Total Revenue of R50 million or less and the entity's Level of Black ownership.
- 5.4 A Bidder other than EME or a QSE that is at least 51% Black owned must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- 5.5 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.
- 5.6 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 5.7 Tertiary Institutions and Public Entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.8 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 5.9 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.
- 5.10 Bidders are to note that the rules pertaining to B-BBEE verification and other B-BBEE requirements may be changed from time to time by regulatory bodies such as National Treasury or the DTI. It is the Bidder's responsibility to ensure that his/her bid complies fully with all B-BBEE requirements at the time of the submission of the bid.

6. BID DECLARATION

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

7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 5.1

- 7.1 B-BBEE Status Level of Contribution: . =(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or a sworn affidavit.

8. SUB-CONTRACTING

- 8.1 Will any portion of the contract be sub-contracted?

(*Tick applicable box*)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

8.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME.

(Tick applicable box)

YES		NO	
-----	--	----	--

9. DECLARATION WITH REGARD TO COMPANY/FIRM

- 9.1 Name of company/firm:.....
- 9.2 VAT registration number:.....
- 9.3 Company registration number:.....

9.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

9.6 COMPANY CLASSIFICATION

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

9.7 Total number of years the company/firm has been in business:.....

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

TRANSNET FREIGHT RAIL

ENQUIRY NUMBER: BFX/54126

DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

- (a) disqualify the person from the bidding process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution.

WITNESSES
1.
2.

..... SIGNATURE(S) OF BIDDERS(S)
DATE:
ADDRESS

T2.2-51: Certificate of Acquaintance with Tender Documents

NAME OF TENDERING ENTITY:

1. I/we do hereby certify that I/we acquainted myself/ourselves with all the documentation comprising this TENDER and all conditions contained therein, as laid down by Transnet SOC Ltd for the carrying out of the proposed supply/service/works for which I/we submitted my/our Tender.
2. I/we furthermore agree that Transnet SOC Ltd shall recognise no claim from me/us for relief based on an allegation that I/we overlooked any TENDER/contract condition or failed to take it into account for the purpose of calculating my/our offered prices or otherwise.
3. I/we understand that the accompanying Tender will be disqualified if this Certificate is found not to be true and complete in every respect.
4. For the purposes of this Certificate and the accompanying Tender, I/we understand that the word "competitor" shall include any individual or organisation, other than the Tenderder, whether or not affiliated with the Tenderder, who:
 - a) has been requested to submit a Tender in response to this Tender invitation;
 - b) could potentially submit a Tender in response to this Tender invitation, based on their qualifications, abilities or experience; and
 - c) provides the same Services as the Tenderder and/or is in the same line of business as the Tenderder
5. The Tenderder has arrived at the accompanying Tender independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium will not be construed as collusive Tendering.
6. In particular, without limiting the generality of paragraph 5 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - a) prices;
 - b) geographical area where Services will be rendered [market allocation]
 - c) methods, factors or formulas used to calculate prices;
 - d) the intention or decision to submit or not to submit, a Tender;
 - e) the submission of a Tender which does not meet the specifications and conditions of the TENDER; or
 - f) Tendering with the intention not winning the Tender.

7. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the Services to which this TENDER relates.
8. The terms of the accompanying Tender have not been, and will not be, disclosed by the Tenderder, directly or indirectly, to any competitor, prior to the date and time of the official Tender opening or of the awarding of the contract.
9. I/We am/are aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to Tenders and contracts, Tenders that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and/or may be reported to the National Prosecuting Authority [NPA] for criminal investigation. In addition, Tenderders that submit suspicious Tenders may be restricted from conducting business with the public sector for a period not exceeding 10 [ten] years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

SIGNED at _____ on this ____ day of _____ 20__

SIGNATURE OF WITNESS

C1.1 Form of Offer & Acceptance

Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for Provision of maintenance to air-conditioners in Bloemfontein on an as and when required basis within a period of 24 months.

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 (N/A – Cost Reimbursable)
(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

Tenderer's CIDB registration number:

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

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 repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one 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

Transnet SOC Ltd

(Insert name and address of organisation)

Name &
signature of
witness

Date

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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 thereto 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

On behalf of

(Insert name and address of organisation)

(Insert name and address of organisation)

Transnet SOC Ltd

Name & signature of witness

Date

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C1.2 Contract Data

Part one - Data provided by the Employer

Please read the relevant clauses in the conditions of contract before you enter data. The number of the principal clause is shown for each statement however other clauses may also use the same data.

Rows containing the statement and data for options in the core clauses and for the main & secondary option clauses, according to the options chosen, are identified by shading in the left-hand column.

Completion of this data in full, according to the Options chosen, is essential to create a complete contract.

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option	
	dispute resolution Option	A: Priced contract with activity schedule
	and secondary Options	W1: Dispute resolution procedure
		X7: Delay damages
		X16: Retention
		Z: Additional conditions of contract
	of the NEC3 Engineering and Construction Contract June 2005 (with amendments June 2006) ¹	
10.1	The <i>Employer</i> is:	Transnet SOC Ltd (Registration No. 1990/00090/06)
	Address	Registered address: Carlton Centre 150 Commissioner Street Johannesburg 2001
	Having elected its Contractual Address for the purposes of this contract as:	Transnet Freight Rail Supply Chain Services Kimberley
	Tel No.	(053) 838 3477
	Fax No.	(011) 774 9787

¹ Available from Engineering Contract Strategies Tel 011 803 3008, Fax 011 803 3009

10.1	The <i>Project Manager</i> is: (Name)	Dawie Swanevelder
	Address	REM
	Tel	051 408 3823
	Fax	
	e-mail	Dawie.swanevelder@transnet.net
10.1	The <i>Supervisor</i> is: (Name)	Norman Papenfus
	Address	Bloemfontein
	Tel No.	051 408-3224
	Fax No.	
	e-mail	Norman.Papenfus@transnet.net
11.2(13)	The <i>works</i> are	Provision of maintenance to air-conditioners in Bloemfontein on an as and when required basis within a period of 24 months
11.2(15)	The <i>boundaries of the site</i> are	Bloemfontein
11.2(19)	The Works Information is in	Part C3
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa subject to the jurisdiction of the Courts of South Africa.
13.1	The <i>language of this contract</i> is	English
13.3	The <i>period for reply</i> is	2 weeks
3	Time	
11.2(3)	The <i>completion date</i> for the whole of the works is	To be advised
31.2	The <i>starting date</i> is.	To be advised
4	Testing and Defects	
42.2	The <i>defects date</i> is	52 (fifty two) weeks after Completion of the whole of the works.
5	Payment	
50.1	The <i>assessment interval</i> is monthly on the	10th (tenth) day of each successive month.
51.1	The <i>currency of this contract</i> is the	South African Rand.
51.2	The period within which payments are made is	Payment will be effected on or before the last day of the month following the month during which a valid Tax Invoice and Statement were received.
51.4	The <i>interest rate</i> is	The prime lending rate of the Standard Bank of South Africa.
7	Title	No additional data is required for this section of the <i>conditions of contract</i>.

8 Risks and insurance

80.1	These are additional <i>Employer's</i> risks	1. None												
84.2	The minimum limit of indemnity for insurance in respect of loss of or damage to property (except the <i>works</i> , Plant, Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Contractor</i>) caused by activity in connection with this contract for any one event is	Whatever the <i>Contractor</i> requires in addition to the amount of insurance taken out by the <i>Employer</i> for the same risk.												
	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 is	Whatever the <i>Contractor</i> deems desirable in addition to which is prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 as amended.												
84.2	The insurance against loss of or damage to the <i>works</i> , Plant and Materials as stated in the insurance policy for contract works and public liability selected from: Blanket Principal Controlled Insurance (BPCI), Principal Controlled Insurance (PCI), Principal Controlled Contractors Liability Insurance, Principal Controlled Insurance One-off; and Project Specific Insurance	R <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Select one</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">BPCI</td> <td></td> </tr> <tr> <td style="text-align: center;">PCI</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">PCI Liab only</td> <td></td> </tr> <tr> <td style="text-align: center;">PCI One Off</td> <td></td> </tr> <tr> <td style="text-align: center;">PSI</td> <td></td> </tr> </table>	Select one		BPCI		PCI	X	PCI Liab only		PCI One Off		PSI	
Select one														
BPCI														
PCI	X													
PCI Liab only														
PCI One Off														
PSI														
84.1	The <i>Employer</i> provides these insurances from the Insurance Table 1 Insurance against: Cover / indemnity: The deductibles are: 2 Insurance against:	Loss of or damage to the <i>works</i> , Plant and Materials is as stated in the selected Insurance policy for Contract Works/ Public Liability. to the extent as stated in the selected insurance policy for Contract Works / Public Liability as stated in the selected insurance policy for Contract Works / Public Liability (Principal Controlled Insurance) 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 performance of the Contract as stated in the selected insurance policy for Contract Works / Public Liability												

	<p>Cover / indemnity</p> <p>The deductibles are</p>	<p>Is to the extent as stated in the selected insurance policy for Contract Works / Public Liability</p> <p>as stated in the selected insurance policy for Contract Works / Public Liability</p>
84.1	<p>3 Insurance against:</p> <p>Cover / indemnity</p> <p>Cover / indemnity:</p> <p>The deductibles are:</p>	<p>Loss of or damage to Equipment (Temporary Works only) as stated in the selected insurance policy for contract Works and Public Liability</p> <p>Is to the extent as stated in the selected insurance policy for Contract Works / Public Liability</p> <p>Cover / indemnity is to the extent provided by the SASRIA coupon</p> <p>The deductibles are in respect of each and every theft claim 0,1% of contract value subject to a minimum of R2,500 and a maximum of R25,000</p>
84.1	<p>The <i>Contractor</i> provides these additional insurances.</p>	<ol style="list-style-type: none"> 1 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 2 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 <i>Employer</i> 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. 3 Should the <i>Employer</i> have an insurable interest in such items during manufacture of fabrication, such interest shall not 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

		<p>5 Marine Craft Hull insurance in respect of all marine craft or vessels utilised in performance of the Works for a sum sufficient to provide for their replacement</p> <p>6 Protection and Indemnity Insurance in respect of all marine craft or vessels utilised in performance of the Works extended for Specialist Operations with a minimum indemnity limit of R (to be determined by risk assessment of the potential risk exposure)</p> <p>7 The insurance coverage referred to in 1, 2, 3, 4, 5 and 6 above shall be obtained from an insurer(s) in terms of an insurance policy approved by the <i>Employer</i>. The <i>Contractor</i> shall arrange with the insurer to submit to the <i>Project Manager</i> 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 <i>Contractor</i></p>
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9	Termination	There is no Contract Data required for this section of the <i>conditions of contract</i> .
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10	Data for main Option clause	
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A	Priced contract with activity schedule	No additional data is required for this Option
----------	--	--

11	Data for Option W1	
-----------	---------------------------	--

W1.1	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> .
------	---------------------------	--

W1.2(3)	The <i>Adjudicator nominating body</i> is: If no <i>Adjudicator nominating body</i> is entered, it is:	The Chairman of the Association of Arbitrators (Southern Africa) the Association of Arbitrators (Southern Africa)
---------	---	--

W1.4(2)	The <i>tribunal</i> is:	Arbitration
---------	-------------------------	-------------

W1.4(5)	<p>The <i>arbitration procedure</i> is</p> <p>The place where arbitration is to be held is</p> <p>The person or organisation who will choose an arbitrator</p> <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 	<p>The Rules for the Conduct of Arbitrations of the Association of Arbitrators (Southern Africa)</p> <p>Bloemfontein</p> <p>The Chairman of the Association of Arbitrators (Southern Africa)</p>
X7	Delay damages (but not if Option X5 is also used)	
X7.1	Delay damages for Completion of the whole of the <i>works</i> are	R 200.00 _____ per day
X16	Retention (not used with Option F)	
X16.1	The <i>retention free amount</i> is	N/A
X16.1	The <i>retention percentage</i> is	10%

C1.2 Contract Data

Part two - Data provided by the Contractor

The tendering contractor is advised to read both the NEC3 Engineering and Construction Contract - June 2005 (with amendments June 2006) and the relevant parts of its Guidance Notes (ECC3-GN)² 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 pages 152 to 154 of the ECC3 Guidance Notes.

Completion of the data in full, according to Options chosen, is essential to create a complete contract.

Clause	Statement	Data
10.1	The Contractor is (Name): Address Tel No. Fax No.	
11.2(8)	The <i>direct fee percentage</i> is _____% The <i>subcontracted fee percentage</i> is _____%	
11.2(18)	The <i>working areas</i> are the Site	
24.1	The Contractor's key persons are: 1 Name: _____ Job: _____ Responsibilities: _____ Qualifications: _____ Experience: _____ 2 Name: _____ Job: _____ Responsibilities: _____ Qualifications: _____ Experience: _____	
		CV's (and further key persons data including CVs) are in T2.2-7
11.2(3)	The <i>completion date</i> for the whole of the works is	To be advised
11.2(14)	The following matters will be included in the Risk Register	T2.2-3

² Available from Engineering Contract Strategies Tel 011 803 3008, Fax 011 803 3009

11:2(19)	The Works Information for the <i>Contractor's</i> design is in:	C3
31:1	The programme identified in the Contract Data is	To be supplied within 7 (seven) days
A	Priced contract with activity schedule	
11:2(20)	The <i>activity schedule</i> is in	C3
11:2(30)	The tendered total of the Prices is	(in words), excluding VAT
	Data for Schedules of Cost Components	<i>Note "SCC" means Schedule of Cost Components starting on page 56 of ECC3, and "SSCC" means Shorter Schedule of Cost Components starting on page 59 of ECC3.</i>
A	Priced contract with activity schedule	Data for the Shorter Schedule of Cost Components



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 List is contained.

C2.1: Pricing Instructions

1. 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 rates and prices stated in the priced Price List in the works information. The rates and prices (except in so far 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.
2. Any additional costs foreseen by the Tenderer for items not included in the Price List shall be included in the List to be submitted, under the item "P's & G's". These items must be specified.
3. It will be assumed that prices included in the Price List are based on Acts, Ordinances, Regulations, Bylaws, International Standards and National Standards that were published 28 days before the closing date for tenders.
4. Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted but will be subject to approval by the Employer.
5. The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount of the Preliminaries and any amount in respect of contract price adjustment provided for in the contract.

6. The following abbreviations are used in the Price List: Ea = Each
7. The prices and rates in this Price List are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the scope of work and shall cover liabilities and obligations set forth or implied in the Contract data, as well as profit.
8. Where the Works Information requires detailed drawings and designs or other information to be provided, all costs associated therewith are deemed to have been provided for and included in the unit rates and sum amount tendered for such items.
9. Where no quantity has been provided against an item in the Price List, the Contractor shall use their discretion and provide the quantity.
10. The short descriptions of the items of payment given in this Price List are only for purposes of identifying the items. More details regarding the extent of the work entailed under each item appear in the Works information.
11. For each item in the Price List, including Preliminaries, the Contractor shall provide in the appropriate column the portion of the tendered sum (inclusive of labour and material).
12. The total in the Price List shall be exclusive of VAT, and shall be transferred to Contractor's Offer.
13. Additional work not covered in the Price List shall be listed and quoted for by the tenderers in a separate sheet.
14. Payment Certificates – On or after the assessment date, the Supervisor and the Contractor will together assess the quantities of the progress on each item in the Price List and complete the Progress Assessment Detail Form, where after the Progress Assessment Certificate will be issued.
15. The Contractor shall then submit a VAT invoice and attach the Progress Certificate mentioned in clause 14 of this section for payment by the Employer.
16. Contractor shall provide the Employer with the necessary details and documentation as required in order to enable the Employer to make electronic payments.

C2.2 Price List

PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN ON AN AS & WHEN REQUIRED BASIS FOR A PERIOD OF TWENTY-FOUR (24) MONTHS
--

AS AND WHEN RATES

MATERIAL:

Handling costs of material	_____	%
----------------------------	-------	---

NORMAL WORKING HOURS:

LABOUR:

Labour rate per hour for Artisan	R _____
----------------------------------	---------

Labour rate per hour for Labourer	R _____
-----------------------------------	---------

AFTER HOURS, WEEKENDS AND PUBLIC HOLIDAYS:

LABOUR:

Labour rate per hour for Artisan	R _____
----------------------------------	---------

Labour rate per hour for Labourer	R _____
-----------------------------------	---------

ROUTINE MAINTENANCE RATES:

Window/Wall type Air-Conditioners:	R _____	/Service
------------------------------------	---------	----------

Split type Air-Conditioners:	R _____	/Service
------------------------------	---------	----------

Console type Air-Conditioners:	R _____	/Service
--------------------------------	---------	----------

Hide Away type Air-Conditioners:	R _____	/Service
----------------------------------	---------	----------

Coolers/Freezers:	R _____	/Service
-------------------	---------	----------

Evaporative Coolers:	R _____	/Service
----------------------	---------	----------

Heat Pumps:	R _____	/Service
-------------	---------	----------

REFRIGERANT GAS:

R22 Gas	R	_____	/KG
R134A Gas	R	_____	/KG
R404 Gas	R	_____	/KG
R410A Gas	R	_____	/KG
R407C Gas	R	_____	/KG

TRAVELLING: (AS & WHEN/ROUTINE SERVICE)

Rate: R _____ /KM

NETT PRICE (VAT EXCLUDED)

R _____

Add 14% VAT. No: _____

R _____

TOTAL TENDER PRICE:

R _____

TOTAL TENDER PRICE IN WORDS (EXCLUDING VAT): _____

WITNESS:

1. _____

CONTRACTOR / TENDERER

2. _____

DATE:

C3: Scope of Service

PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF 24 MONTHS

SPECIAL CONDITIONS PART A

1. SCOPE OF SERVICE

This contract covers the **maintenance and new installations of Air – Conditioning plant and associated equipment on various buildings, in the Bloemfontein Region, As and When required**, or other work arising out of or incidental to the above, or required of the contractor for the proper completion of the works in accordance to the true meaning and intent of the contract documents.

2. TO BE SUPPLIED BY THE CONTRACTOR

Except where otherwise specified, the Contractor shall supply all labour, transport, plant, equipment, tools, services required for the carrying out and completion of the work included in this contract.

3. ELECTRICITY AND WATER

Water and electricity will be supplied free of charge by Transnet. A continuous supply of water and electricity can however not be guaranteed. The Contractor shall at his own cost arrange for connections and extensions (if necessary) to existing supplies and for the removal of these connections and extensions on completion of the contract.

4. CONSTRUCTION SITE

The Contractor must view the site and attend the compulsory site inspection before tendering.

5. DURATION OF CONTRACT

The contract duration will not exceed **24months**.

The period commences from the date when approval was granted to the Contractor to proceed with the work and includes all weekends and public holidays.

Transnet reserves the right to terminate the contract at any time should the use of the contract no longer be required.

6. MAINTENANCE PERIOD (GUARANTEE)

The contractor must, at his own expense, make good to the satisfaction of the Maintenance Supervisor all defective materials and workmanship which may manifest itself within a period of **three months** after completion of work.

7. PENALTIES

Transnet retains the right to cancel any order and have work, which is not attended to as in the specification, executed by others, without prior notice and recover the difference in cost, if any, from the contractor.

8. LABOUR

The sole responsibility for the work as specified in the particular specification shall rest entirely with the Contractor, who shall be required to undertake rectification of any defects, which become apparent within the period as defined above. The Contractor shall make good to the satisfaction of Transnet any defects which may arise during inspection.

9. PAYMENT

When making a claim for payment, the Contractor shall submit an informal claim for the consideration of the Manager. Only upon agreement being reached on the amount to be included in the payment certificate, will the Contractor be required to submit a complete and correct VAT invoice. Payment will be effected on or before the end of the calendar month following the calendar month in which the work was performed.

Please note: A maximum of 23 interim payments (based on work completed on a monthly basis, after the receipt of a VAT invoice) The Contractor must indicate on his Tax Invoice Transnet's reference number, description of the work, Labour amount, material amount, kilometres travelled and the amount claimed), and a final payment will be made.

10. VAT

Rates shall be quoted exclusive of Value Added Tax. Provision is made in the Summary of Prices for the lump-sum addition of Value Added Tax.

11. SUMMARY OF PRICES

Tenderers must complete the Summary of Prices for the work in ink.

12. SAFETY ON WORK SITE (ACT NUMBER 85 OF 1993) ENVIRONMENT CONSERVATION ACT. (ACT No.73 OF 1989)

For the purposes of the Occupational Health and Safety Act, (Act Number 85 of 1993) and the Environment Conservation Act, (Act No.73 of 1989) the site is transferred, for the duration of the contract, to the control of the Contractor as if it is his property. As employer, he is in every respect responsible for the compliance with the provisions of these Acts, as well as the application of General Administrative Regulation 13 to the employees of Transnet who visit the site.

13. DAMAGE TO PROPERTY AND/OR SERVICES

The contractor shall take adequate precaution against damage to existing assets and injury to persons during the course of the contract. The successful tenderer will be responsible for the repairs and/or the costs incurred in such repairs to any damages caused to Transnet's property by the successful tenderer's staff while carrying out the required work.

14. SUPERVISION

The Manager will provide overall superintendence of the work and may direct the Contractor in terms of the provisions of the contract.

Transnet will notify the successful contractor, in writing, of the name of the Maintenance Supervisor/s who will supervise and take charge of the contract. The Contractor must at all times, only take instructions from the appointed Maintenance Supervisor/s and (Manager) and nobody else.

The Contractor must be in possession of or have access to a cellular phone and a facsimile machine.

15. MATERIALS

Only materials of the best quality (SANS/SABS approved) are to be used in the execution of the contract and the work is to be performed in a proper workmanlike manner to the full satisfaction of Transnet.

16. CANCELLATION OF CONTRACT

In the event of non-performance and/or non-adherence to the specifications by the Contractor, Transnet reserves the right to terminate the contract immediately.

17. AMENDMENTS AND/OR ADDITIONS

Transnet reserves the right to add or withdraw any part of the work specified at any time. No amendments, variations and/or additions to the contract shall, however, be of any force or effect unless reduced to writing and signed by both parties.

18. HOUSING OF EMPLOYEES

Accommodation of the Contractor's employees on site will not be permitted and the Contractor shall make his own arrangements.

19. TOILET FACILITIES

Use of existing toilet facilities will be permitted.

20. ESCALATION OF COST

This contract will not be subject to cost escalation.

21. WAGE REGULATING MEASURES

The Contractor shall acquaint himself with any relevant wage regulating measure and/or statutory enactment which may be in force or may be contemplated, and which will affect conditions of employment during the progress of the contract, and he shall give effect to the provisions of such wage regulating measure and/or statutory enactment as they come into force.

22. SUBLETTING OF THE CONTRACT

The successful tenderer shall not be permitted to sublet the contract. Only persons directly employed by the contractor shall carry out the work

23. SUBSTANCE ABUSE TESTING

The OHS Act (Act 85 of 1993) clearly states in the Safety Regulations no. **2A "INTOXICATION" An employer or user, as the case may be, shall not permit any person who appears to be under the influence of intoxicating liquor or drugs, to enter or remain at a workplace".** Transnet Freight Rail enforces this legislation by means of its Substance Abuse Policy, and therefore reserves the right to do substance abuse testing on anyone who enters their premises.

TRANSNET FREIGHT RAIL
ENQUIRY NUMBER: BFX/54126
DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN
REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

24. GENERAL

All activities between Contractors and Transnet personnel will be co-ordinated through the Manager in charge.

For more information contact Mr. D. Swanevelder at telephone (051) 408-3823.

The lowest or only tender will not necessarily be accepted.

PARTICULAR SPECIFICATION PART B

This section covers **the maintenance of Air – Conditioners in Bloemfontein on an As and When Required basis for a period of 24 months**

WORK TO BE DONE

1. DEFINITIONS:

- 1.1 **Emergency Work** – means unforeseen maintenance work that needs to be repaired urgently.
- 1.2 **Day to Day work** – means any work (Planned/ Unplanned and New Installations), which unlike emergency work, is not classified as urgent.
- 1.3 **Routine work** – means work that needs to be done on a regular basis.
- 1.4 The contractor must commence **Emergency Work** within two hours of notification.
- 1.5 The Contractor must do **routine work** as per service program.
- 1.6 The Contractor must commence **Day to Day work** within twenty-four hours of notification.

2. EXTENT OF WORK:

The following conditions shall apply:

NB: THE SUCCESSFUL BIDDER SHALL BE REQUIRED TO HAVE A WORKSHOP, EQUIPMENT AND TECHNICIANS IN BLOEMFONTEIN.

The Contractor must be competent in all the following work disciplines:

- 2.1 Electrical light and heavy current as well as Air-Conditioning and Refrigeration.
- 2.2 And the following sub disciplines bricklaying, plastering and painting.

3. MAINTENANCE AND BREAKDOWNS.

3.1 The Maintenance Supervisor will issue a written instruction to the Contractor before work can commence. Where work is of an emergency nature, the Maintenance Supervisor may give a verbal instruction that must be confirmed in writing. No work must be performed without a **reference number**.

4. PLEASE NOTE:

Procedure after fault finding:

- 4.1 Complete fault list and submit with quotation/authority form (Annexure 1).
- 4.2 Two/Three quotations from supplier's required and submit with quotation/authority form (Annexure 1).
- 4.3 Complete quotation/authority form (Annexure 1) and hand it to the Project co-ordinator to acquire authority before commencing any repair work or additional work.
- 4.4 Hours worked and distances travelled indicated on the quotation/authority form by the Contractor, will be negotiable between the Maintenance Supervisor and the Contractor.
- 4.5 No labour rates will be paid for time spent travelling. Only rates per kilometre, as tendered and accepted in contract.
- 4.6 Labour rates will only be paid for actual time worked.
- 4.7 No labour or travelling rates will be paid for kilometre's travelled/Time spent/Telephone calls for quotations or collection of material, only handling fees will be paid as tendered and accepted in contract.

5. ROUTINE SERVICE (MAJOR SERVICES: 3 X YEAR/MACHINE)

5.1 Isolate the supply to the air conditioner unit, make sure there are no open live or possible live wires. Close the isolator so that no live wires are exposed.

TRANSNET FREIGHT RAIL

ENQUIRY NUMBER: BFX/54126

DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

- 5.2 In the case of a window unit, withdraw.
- 5.3 Check air filter for cuts and damages.
- 5.4 Clean the air filter.
- 5.5 Clean condenser coil
- 5.6 Clean evaporator coil
- 5.7 Check fans for alignment, corrosion, chips, dents and that they are secured to the shaft.
- 5.8 Check fan motor/s to ensure they are running freely and that the bearings show no sign of wear, oil were necessary.
- 5.9 Check the compressor for unusual noise and that the mounting bushes are in a good state.
- 5.10 Check thermostats, switches, contactors and the wiring thereof to ensure that all the connections tight and clean.
- 5.11 Check the refrigerant system pressure and leaks.
- 5.12 Clean equipment using approved cleaning agents.
- 5.13 Check the operation currents and evaluate with nameplate data.
- 5.14 For split units check and tighten flair nuts were necessary.
- 5.15 Check condensate drip trays
- 5.16 Check the draining system.
- 5.17 Rust- proof where applicable.
- 5.18 Reconnect to the supply and test.
- 5.19 Place all the covers and make neat.

6. NUMBERING OF MACHINES

- 6.1 All machines to be numbered with Aluminium strips in the following manner. Building Asset number/number etc. for each building separately.

7. SERVICE REPORT

7.1 The Contractor shall hand to the Maintenance Supervisor after each service a detailed report (Annexure 3) of all the work carried out. Air-conditioning plant and associated plant shall be serviced according to the specification and the work program

8. GENERAL

- 8.1 The Contractor must not turn off any Electrical or water supply without obtaining permission from the Depot Manager.
- 8.2 The Contractor must be in possession of or have access to a cellular phone and a facsimile machine.
- 8.3 The Contractor will be responsible for his own measurements.
- 8.4 Left over material, rubble and electrical equipment stripped by the contractor are to be removed from site by the Contractor as his property.
- 8.5 The premises shall be left perfectly clean after completion of the work, before payment will be made.
- 8.6 Contractor will supply all equipment and material.
- 8.7 The contractor shall include for the proper completion of the work as described and shall allow for all cost incurred.
- 8.8 Contract specifications is to be read in conjunction with the minutes. The Contractors attention is drawn to the possibility of items being required varying from those on the specification. The cost of the requirements in the minutes are to be allowed for in the tender price.
- 8.9 The Contractor will be responsible for obtaining the minutes of said meeting before specified closing date.

QUALITY SPECIFICATION PART B

1. SCOPE

This specification covers the requirements for the manufacture, supply, delivery to site and the complete installation of material and equipment.

2. STANDARDS AND REFERENCES

2.1 Standards

- 2.1.1 All equipment and material offered shall comply with the requirements of the relevant SANS (SABS) specifications, if published, otherwise with the relevant BS specifications in force at the time of tendering.
- 2.1.2 Where equipment or material offered complies with the recognized standards of the country of manufacture and not specifically with the requirements of clause 2.1.1 above, such equipment or material will be considered at the discretion of the Manager. In this case tenderers shall state fully all respects in which the equipment or material offered departs from the requirements of clause 2.1.1 above.

2.2 Reference list

The following publications (latest edition and amendment) are referred to herein:

- 2.2.1 South African National Standards (South African Bureau of Standards).
- | | | |
|---------------------|---|---|
| ➤ SANS (SABS) 10142 | - | Code of practice for the wiring of premises. |
| ➤ SANS (SABS) 156 | - | Moulded-case circuit-breakers. |
| ➤ SANS (SABS) 60423 | - | Screwed metal conduit and fittings for electrical wiring |
| ➤ SANS (SABS) 60669 | - | Wall and appliance switches |
| ➤ SANS (SABS) 950 | - | Non-metallic conduit and fittings for electrical wiring |
| ➤ SANS (SABS) 61035 | - | Metal conduit and fittings for electrical wiring |
| ➤ SANS (SABS) 1085 | - | Wall outlet boxes for the enclosure of electrical accessories |

- Occupational Safety and Health Act, Act No.85 of 1993..

3. METHOD OF TENDERING

- 3.1 The Tenderer shall submit his main offer in terms of clause 3.1 up to clause 3.10.
- 3.2 A broad statement to the effect that the equipment is in accordance with the specifications is not acceptable.
- 3.3 If in the tenderer's opinion justification exists for the submission of one or more alternative offers, such offers shall, as in the case of the main offer, be complete in every respect including a statement of compliance and completed relevant appendices. Any alternative offer shall be clearly distinguishable from the main offer and stands on its own.
- 3.4 Offers which include deviations of minor nature, not departing greatly from the specification, will be considered at the Manager's discretion.
- 3.5 The onus to prove compliance of the equipment offered against any clause shall rest solely with the tenderer should he be awarded the contract.
- 3.6 Should the tenderer wish to elaborate on their reply to the clause, a reference to page and paragraph of a covering letter shall be given next to the clause concerned, in addition to the statement of compliance.
- 3.7 A tenderer's statement of compliance shall overrule any conflicting documentation submitted.
- 3.8 The successful tenderer will be responsible for all costs incurred in modifying or replacing equipment accepted by the Client on the grounds of the tenderer's statement of compliance with the specification and found by the Manager not to comply.
- 3.9 In the event of discrepancies between the Manager's specification and any publication referred to, the specification shall take precedence.
- 3.10 Failure to comply with the requirements of this specification may preclude a tender for consideration.

4. ANNEXURES

The following annexures form an integral part of these specifications.

- 4.1 **Annexure No. 1** – Quotation/Authority form. Complete to acquire authority before commencing with the repair work or additional work.

5. PVC INSULATED LOW VOLTAGE CABLE

5.1 General

- 5.1.1 Polyvinylchloride (PVC) Cables shall be manufactured in accordance with SABS 1507 and shall come only from fresh stocks.
- 5.1.2 The conductors shall be of high conductivity annealed stranded copper and the cores may be shaped or circular.
- 5.1.3 The insulation shall be general purpose PVC, 600/1000 Volt Grade.

5.2 Armouring

- 5.2.1 Where armouring is specified it shall consist of one layer of galvanized steel wire in the case of multi-core cables and non-magnetic metallic wire in the case of single core cables. Aluminium strips or tape armouring is not acceptable.
- 5.2.2 If **ECC** cable is not specified **PVC** insulated hard drawn copper earth continuity conductors shall be installed with all underground cables, constituting part of the low voltage distribution system. The earth conductors shall be tied to the cables at intervals not exceeding 1 meter.
- 5.2.3 Cable shall be manufactured and supplied in one length to the lengths specified, unless these lengths exceed a standard drum length in which a ruling shall be obtained from the Engineer.

6. CABLE TERMINATIONS

- 6.1 All cables shall be terminated and connected to the respective equipment, whether provided by the Contractor or by others.
- 6.2 All cut ends of cables are to be sealed with suitable tape, or other approved means until they are ready to be terminated.

7. CABLE JOINTS

- 7.1 Joints in cable runs shall not be allowed unless specified or authorized in writing by the Engineer.
- 7.2 Where cable joints are specified they shall be made by means of approved epoxy resin pressure type jointing kits such as "Scotch cast".
- 7.3 The cores of cables shall be jointed number to number or colour to colour.
- 7.4 The joints shall not impair the anti-electrolysis characteristics of the cable.
- 7.5 The conductor bridging the armouring shall be adequate to carry the prospective earth fault current.

8. GLANDS FOR PVC INSULATED CABLES

- 8.1 Glands to be used for terminating PVC/PVC/SWA/ECC/PVC cables shall be of the adjustable type.
- 8.2 The glands shall be made of brass or nickel plated bronze.
- 8.3 Glands shall be supplied complete with neoprene shrouds.
- 8.4 Flameproof glands shall comply with SANS (SABS) 808, Groups 1, 2a and 2b.

9. CABLE TRAYS

- 9.1 Cable trays shall be protected against corrosion and galvanised in accordance with SANS (SABS) 0763.
- 9.2 Cable trays shall be adequately supported so that when fully loaded the deflection does not exceed 10mm and be wide enough to accommodate the power cables in a single layer.

10. WIRING

- 10.1 All wiring shall be carried out in wire ways.
- 10.2 Open wiring is not acceptable.
- 10.3 Only one circuit per conduit will be permitted.
- 10.4 Only the loop-in of wiring shall be accepted.
- 10.5 Joints in the wiring will not be permitted.
- 10.6 Colour identification of conductors shall be used.
- 10.7 Sizes of conductors to be drawn into conduits such as feeders to distribution boards, power points etc., shall be as specified elsewhere in this specification or as indicated on the drawings. Sizes of conductors not specified must be in accordance with the "Wiring Code".

- 10.8 All wiring shall be done in PVC insulated 300/500 Volt grade cable to SANS (SABS) 1507.
- 10.9 Where cable ends connect onto switches, fittings, etc. the end strands shall be neatly and tightly twisted together and firmly secured. Cutting away of wire strands of any cable will not be allowed.
- 10.10 No wiring shall be drawn into conduit until the conduit installation has been completed and all conduit ends provided with bushes. All conduits to be clear of moisture and debris before wiring are commenced.

11. WIRE WAYS (CONDUIT), ACCESSORIES AND POWER SKIRTING.

- 11.1 All conduit shall bear the SANS (SABS) mark of approval.
- 11.2 Screwed metallic conduit and fittings shall comply with SANS (SABS) 162.
- 11.3 All metallic conduits shall be heavy gauge, welded or solid drawn, hot dip galvanized or black enamelled, screwed tube.
- 11.4 Galvanized conduit shall be hot dipped inside and outside in accordance with SANS (SABS) 0763.
- 11.5 Where conduit is exposed to the elements only galvanized conduit shall be used.
- 11.6 Threads of metallic conduit and associated fittings exposed to moisture or the elements shall be effectively protected with anti-rust paint or be cold galvanized.
- 11.7 Conduits are to be concealed and chased into plastered brick walls or cast into concrete work as the building operations progress.
- 11.8 Under no circumstances will chases be permitted through structural members of the building.
- 11.9 Chasing of face brick walls will not be permitted. Conduits and outlet boxes shall be built into walls.
- 11.10 Conduit which cannot be concealed shall be neatly installed on the surface.
- 11.11 The metal conduit installation shall provide a continuous earth.
- 11.12 Bushes on metal conduit shall be of brass only.
- 11.13 **Metal conduit accessories**
 - 11.13.1 All metal conduit accessories shall be malleable cast iron or pressed steel with brass bushes in accordance with SANS (SABS) 0162.
 - 11.13.2 Accessories must be hot dip galvanized to SANS (SABS) 0763.
 - 11.13.3 Blank cover plates on round outlet boxes shall be fixed with flat head screws and a gasket to seal the box.
 - 11.13.4 Blank cover plates on 100 x 100 mm outlet boxes shall be fixed with countersunk chrome screws.

11.13.5 Where outlet boxes or draw boxes are installed on finished surface the Electrical Contractor shall take care that such outlets are installed symmetrically.

11.14 Switch boxes and socket outlet boxes

11.14.1 All switch boxes and socket outlet boxes shall be manufactured of pressed galvanized steel of at least 1 mm thickness. All boxes shall be fitted with the necessary lugs to suit standard flush mounted switches and socket outlets manufactured in accordance with SANS (SABS) 0518 and SANS (SABS) 1085.

11.14.2 Light switch boxes shall be 100 x 50 x 50 mm with 20 mm knock outs on the sides and a single knock out on the top, bottom and back.

11.14.3 Socket outlet boxes shall be 100 x 100 x 50 mm with 20 mm knock outs each on the top, bottom, sides and back.

11.14.4 Switch and socket outlet cover plates shall comply with SABS 1084.

11.15 Flexible conduit

11.15.1 Flexible steel conduit and adaptors shall comply with BS 731, Part 1 where applicable. Flexible conduit shall be of galvanized steel construction and plastic sheathed. Flexible conduit shall only be used as specified and shall then be installed in accordance with SANS 10142 (SABS) 0142

11.16 Wire ways

11.16.1 Wire ways shall be in accordance with the requirements as laid down in SANS (SABS)1197, part 1 and be galvanized, wire way shall comprise a single compartment exclusively for electrical power cables, with a steel cover

11.17 Non-metallic conduit

11.17.1 Non-metallic conduit and fittings shall comply with SANS (SABS) 0950.

11.17.2 PVC conduit shall be supported at 1 000 mm intervals maximum

11.18 Non-metallic Power skirting

11.18.1 PVC Power skirting shall be light weight, all insulated, non-corrosive and easily cleanable

11.18.2 PVC Power skirting shall be manufactured from white, high impact resistant, rigid PVC in lengths not shorter than 3m

11.18.3 PVC Power skirting shall be easily cuttable by using standard hand tools.

11.18.4 Only power skirting with an extensive range of service outlets and accessories shall be used if not specified.

12. DISTRIBUTION BOARDS AND KIOSKS

12.1 Flush mounted

12.1.1 Where distribution boards are to be built into 115 mm thick walls, expanded metal shall be spot welded to the rear of the bonding trays. The expanded metal shall protrude at least 75 mm on each side of the tray to prevent plaster from cracking.

12.2 Knock-outs

12.2.1 Knock outs shall be provided in the top and bottom ends of each distribution board tray to allow for the installation of conduits for the specified as well as future circuits. Knock outs shall to be removed or bend without the use of a tool.

12.3 Front panels

12.3.1 Front panels shall be machine punched slots for housing the specified and future flush mounted switch gear.

12.3.2 The front panel shall be secured to the architrave frame by means of captive fasteners similar to "DZUS" or "CAMLOC". Alternatively the panel may be secured to the architrave frame by means of two pins at the bottom and a latch or lock at the top of the panel.

12.4 Doors and handles

12.4.1 Distribution board doors shall be equipped with handles and catches.

12.4.2 Handles consisting of a push button and handle combination with spring loaded catch or rotary handle and catch combination shall be installed.

12.4.3 An electrical danger sign must be fitted to each door of distribution boards and kiosks.

12.5 Construction

12.5.1 Surface mounted Distribution boards shall be equipped with a sheet steel reinforced tray of not less than 1,6 mm thickness, suitably braced and stiffened to carry the chassis, door and equipment. Lugs to secure the switchboard to a vertical surface shall be provided.

12.5.2 All joints shall be welded or securely bolted. The tray shall be square and neatly finished without protrusions. The front tray sides shall be rounded with an edge of at least 20 mm to accommodate flush doors.

12.6 **Chassis**

12.6.1 A sheet steel chassis for the mounting of equipment shall be bolted to the tray and shall comply with SANS (SABS) 1180. Space for wiring shall be provided between the chassis and the tray.

12.7 **Front panel and door**

12.7.1 The front panel and door shall comply with the above. Doors shall fit flush in the tray when closed.

12.8 **Mounting of circuit breakers**

12.8.1 All moulded case circuit breakers shall be flush mounted with only the toggles protruding. Miniature circuit breakers may be installed on clip-in trays mounted on the frame. All other circuit breakers shall be bolted to the chassis. Special provision shall be made for large switches when designing the framework.

12.8.2 Where earth leakage units are required, the associated circuit breakers shall be installed adjacent to the unit

12.9 **Instrumentation**

12.9.1 All metering instruments shall be flush mounted in the front panel or door. The rear terminal of instruments mounted on doors shall be covered with an insulating material to prevent accidental contact. Current transformers for metering shall be mounted so that the rating plate is clearly visible. Fuses for instrumentation shall be mounted in an easily accessible position and shall be clearly marked.

12.10 **Cabling**

12.10.1 Cables connected to incoming or outgoing circuits shall be terminated on a gland plate.

12.10.2 All cable entries shall be from the bottom of the board unless stated otherwise. Glands shall not be less than 300mm above floor level.

12.11 **Wiring**

12.11.1 Wiring shall be arranged in horizontal and vertical rows and shall be bound with suitable plastic straps or installed in PVC wiring channels. Under no circumstances may PVC adhesive tape be used for the bunching of conductors or for colour identification of conductors.

12.11.2 Wiring shall be kept away from exposed metal edges or shall be protected where they cross metal edges.

12.11.3 A substantial earthing terminal shall be firmly fixed to the steelwork of all distribution boards and shall be connected to the earthing bar.

12.11.4 A neutral bar associated with each bank of MCCB's shall be provided below each bank of mccb's and shall be wired in the same sequence as the mccb's. Not more than one conductor per connector will be accepted.

12.11.5 The minimum conductor size between lightning arrestors and earth shall be 6 mm².

12.12 **Labelling**

12.12.1 All circuits shall be labelled and clearly designated:

12.12.2 Labels indicating the supply point and size of the supply cable shall be provided on each distribution board.

12.12.3 Labels shall be of the fabricated type and shall be permanently secured. Embossed tape is not acceptable.

12.12.4 When labelling by means of numerals, a legend shall be inserted behind a clear plastic window on the inside of the door.

12.13 Material for labels

12.13.1 Engraved plastic or ivory sandwiches strips shall be used throughout. The strips shall bear black lettering on white background for normal labels and red letters on a white background for danger notices.

12.14 Fixing of labels

12.14.1 Labels shall not be fixed to components or trunking but to doors, panels, chassis or other permanent structures of the switchboard.

12.15 Bus bars

12.15.1 Kiosks shall be equipped with a set of 3 phase and neutral copper bus bars continuously rated for the full load of the incoming supply switch.

12.15.2 Inter-connectors between the bus bars and control units shall be by means of fully insulated, adequately rated conductors firmly bolted to the bus bar and secured to the appropriate terminals of the control units using crimped-on terminal lugs.

12.16 Test

12.16.1 The Manager shall be notified when the mechanical construction of the switchboard, i.e. frame, panels and base frame, is complete in order that it may be inspected at the factory.

13. MOULDED CASE CIRCUIT BREAKERS

General

13.1 This section cover single or multi-pole moulded case circuit breakers for use in power distribution systems, suitable for panel mounting, for ratings up to 1000A, 600 V, 50 Hz.

13.2 The circuit breakers shall comply with SANS (SABS) 0156.

13.3 The continuous current rating, trip rating and rupturing capacity shall be as specified.

13.4 The contacts shall be silver alloy and shall close with a high pressure wiping action.

- 13.5 The operating handle shall provide clear indication of "ON", "OFF" positions.
- 13.6 The mechanism shall be of the TRIP FREE type preventing the unit from being held in the ON position under overload conditions.
- 13.7 All moulded case circuit breakers in a particular installation shall as far as is practical be supplied by a single manufacturer.
- 13.8 The incoming terminals of single pole miniature circuit breakers shall be suitable for connecting to a common bus bar.
- 13.9 The circuit breaker shall have a rating plate indicating the current rating, voltage and breaking capacity.
- 13.10 Extension type operating handles shall be provided for units of 600A rating and above.
- 13.11 All circuit breakers feeding fire detection and protection equipment shall have red toggles and be labelled "Do Not Switch Off".

14. SWITCH DISCONNECTORS (ISOLATING SWITCHES)

- 14.1 Isolating switches shall comply with SANS (SABS) 0152.
- 14.2 Isolating switches for machines shall be lockable in the open position.
- 14.3 The switches shall have a high speed closing and opening feature.
- 14.4 The switches shall be suitable rated for the continuous carrying, making and breaking of the rated current specified as well as the through fault current capacity as specified.
- 14.5 To distinguish the switches from circuit breakers the operating handles shall have a distinctive colour and/or the switch shall be clearly and indelibly labelled "ISOLATOR".

15. BALANCING OF LOAD

- 15.1 The electrical contractor is required to balance the load as equally as possible over the multi-phase supply.

16. INSPECTION AND TESTS

- 16.1 Insulation, continuity, earthing etc. tests in the accordance with SANS 10142 (SABS) 0142 shall be carried out to the satisfaction and in the presence of the Manager, or his authorized deputy, as and when required during the progress and on completion of the contract work.
- 16.2 The Contractor shall provide on-site the necessary approved instruments for the execution of the tests mentioned in the above clause. The client reserves the right to use its own instruments, should this be considered necessary.
- 16.3 After completion of the electrical installation, the Electrical Contractor shall complete the Certificate of Compliance for Electrical Installations and hand it to the Manager.

17. AIR-CONDITIONING UNITS

- 17.1 As stipulated in the Driven Machinery Regulation 15 all air-conditioning equipment offered shall comply with the SANS Code of Practice 10147 (Code of Practice for refrigeration and air-conditioning installations).
- 17.2 Refrigerant piping for each system shall be installed by a qualified refrigeration technician observing the rules of good refrigeration practice regarding pipe sizing, support, installation, system cleaning, drying, evacuating, charging and leak testing. All joints shall be high temperature brazed and all pipe runs shall be laid taking due consideration of oil return to the compressor.
- 17.3 All pipe work shall be arranged to present a neat appearance and where possible to be parallel to each other and the building structure.
- 17.4 All refrigerant piping between indoor and outdoor units shall be covered with suitable insulation.
- 17.5 A workshop manual shall be provided before the installation is accepted by Transnet.
- 17.6 After completion of the installation, the whole of the installation will be inspected by Transnet and commissioned by the air-conditioning contractor.
- 17.7 The air-conditioning contractor shall make good to the satisfaction of Transnet any deficiencies which may arise during the inspection and commissioning.
- 17.8 After the whole of the installation has been tested and commissioned by the air-conditioning contractor and passed as satisfactory, the installation will be accepted by Transnet.
- 17.9 Notwithstanding any requirements to the contrary which may be embodied in the contract documents, the air-conditioning contractor will be required to guarantee the complete installation for a period of 12 (twelve) months after date of acceptance of the installation and shall make good any defects, due to inferior failures or stoppages of any of the plant be so frequent as to become objectionable, or should the equipment prove otherwise unsatisfactory during the above-mentioned

TRANSNET FREIGHT RAIL

ENQUIRY NUMBER: BFX/54126

DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

period of twelve months, the air-conditioning contractor shall, at his expense if called on by Transnet, replace the whole plant or such part thereof as may be deemed necessary, with equipment to be specified by Transnet.

18. GUARANTEE

- 18.1 The Contractor shall undertake to repair all faults or defects to bad workmanship and/or faulty materials, and to replace all defective equipment or materials during the guarantee period.
- 18.2 Any defects that may become apparent during the guarantee period shall be rectified to the satisfaction of, and free of cost to the Client.

TRANSNET FREIGHT RAIL
ENQUIRY NUMBER: BFX/54126
DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN
REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

RFQ NUMBER: KBY/ _____

WRITTEN INSTRUCTION FORM PART B

**PROVISION OF MAINTENANCE AND NEW INSTALLATIONS OF AIR-CONDITIONING PLANT
AND ASSOCIATED EQUIPMENT ON VARIOUS BUILDINGS IN POSTMASBURG, AS AND
WHEN REQUIRED**

FAULTS/ETC.

REFERENCE	PLACE	DESCRIPTION	ASSET NO.

**MAINTENANCE SUPERVISOR
(REAL ESTATE MANAGEMENT)**

TRANSNET FREIGHT RAIL
 ENQUIRY NUMBER: BFX/54126
 DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN
 REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

ANNEXURE 1: QUOTATION/AUTHORITY FORM:				
PART B: RFQ No. KBY/				
FROM:		TO:		
DISCRPTION	QTY	UNIT	UNIT PRICE	RATE
Material				
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
				R
			Material costs	R
			Plus handling costs %	R
Sub-Total (A)				R
TOTAL CARRIED FORWARD				

TRANSNET FREIGHT RAIL
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 DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN
 REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

TOTAL BROUGHT FORWARD				
Maintenance/breakdowns/fault finding	QTY	UNIT	UNIT PRICE	RATE
Normal hours				
Labour/Hour/Artisan		Hour		R
Labour/Hour/Labourer		Hour		R
Rate/Km		Km		R
Sub-Total (B)				R
Repairs	QTY	UNIT	UNIT PRICE	RATE
Normal hours				
Labour/Hour/Artisan		Hour		R
Labour/Hour/Labourer		Hour		R
Rate/Km		Km		R
Sub-Total (C)				R
Sub-Totals (A+B+C)				R
Add 14% VAT				R
TOTAL:-				R

TRANSNET FREIGHT RAIL
 ENQUIRY NUMBER: BFX/54126
 DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN
 REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

	TOTAL BROUGHT FORWARD			
Maintenance/breakdowns/fault finding	QTY	UNIT	UNIT PRICE	RATE
After hours, weekends, Public holidays				
Labour/Hour/Artisan		Hour		R
Labour/Hour/Labourer		Hour		R
Rate/Km		Km		R
Sub-Total (B)				R
Repairs	QTY	UNIT	UNIT PRICE	RATE
After hours, weekends, Public holidays				
Labour/Hour/Artisan		Hour		R
Labour/Hour/Labourer		Hour		R
Rate/Km		Km		R
Sub-Total (C)				R
Sub-Totals (A+B+C)				R
Add 14% VAT				R
TOTAL:-				R

Station/Suburb: _____

Depot: _____

SERVICE REPORT

ANNEXURE 2

Building Asset No: _____

Description of maintenance RFQ No. KBY/ _____

(To be completed for each Air – Conditioner serviced before any payment will be made)

- Isolate the supply to the air conditioner unit, make sure there are no open live or possible live wires. Close the isolator so that no live wires are exposed.
- In the case of a window unit, withdraw.
- Check air filter for cuts and damages.
- Clean the air filter.
- Clean condenser coil
- Clean evaporator coil
- Check fans for alignment, corrosion, chips, dents and that they are secured to the shaft.
- Check fan motor/s to ensure they are running freely and that the bearings show no sign of wear, oil were necessary.
- Check thermostats, switches, contactors and the wiring thereof to ensure that all the connections tight and clean.
- Clean equipment using approved cleaning agents.
- For split units check and tighten flair nuts were necessary.
- Check condensate drip trays
- Check the draining system.
- Rust- proof where applicable
- Reconnect to the supply and test.
- Check the refrigerant system pressure and leaks.
- Check the operation currents and evaluate with nameplate data.
- Check the compressor for unusual noise and that the mounting bushes are in a good state.
- Place all the covers and make neat.

Comments: _____

 Air – Conditioner Type and Fabricate

 Client name in Block letters

 Model No.

 Client Signature

 Capacity in BTU'S

 Client Telephone number

 Machine Number

 Date

 Artisan name in Blockletters

 Artisan Signature

E7/1 (July 1998)

SPECIFICATION FOR WORKS ON, OVER, UNDER OR ADJACENT TO RAILWAY LINES AND NEAR
HIGH VOLTAGE EQUIPMENT

(This Specification shall be used in Transnet Contracts)

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TRANSNET FREIGHT RAIL

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DESCRIPTION OF THE WORKS: PROVISION OF MAINTENANCE TO AIR-CONDITIONERS IN BLOEMFONTEIN, ON AN AS & WHEN REQUIRED BASIS WITHIN A PERIOD OF 24 MONTHS

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ANNEXES

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1 DEFINITIONS

The following definitions shall apply:

Authorised Person. A person whether an employee of Transnet or not, who has been specially authorised to undertake specific duties in terms of Transnet's publication SAFETY INSTRUCTIONS: HIGH-VOLTAGE ELECTRICAL EQUIPMENT, 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 Transnet to carry out work on its behalf.

Dead. Isolated and earthed.

Electrical Officer (Contracts). The person appointed in writing by the responsible Electrical Engineer in Transnet 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 Transnet 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 1 000 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 Transnet 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.

Project Manager. The person or juristic person appointed by Transnet 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 staff under his control to work on, over, under or adjacent to railway lines and in the vicinity of high-voltage electrical equipment.

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

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.

PART A - GENERAL SPECIFICATION

2. AUTHORITY OF OFFICERS OF TRANSNET

2.1 The Contractor shall co-operate with the officers of Transnet and shall comply with all instructions issued and restrictions imposed with respect to the Works which bear on the existence and operation of Transnet's railway lines and high-voltage equipment.

2.2 Without limiting the generality of the provisions of 2.1, any duly authorised representative of Transnet, having identified himself, may stop the work if, in his opinion, the safe passage of trains or the safety of Transnet assets or any person is affected. **CONSIDERATIONS OF SAFETY SHALL TAKE PRECEDENCE OVER ALL OTHER CONSIDERATIONS.**

3. CONTRACTOR'S REPRESENTATIVES

3.1 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 Technical Officer with the names, addresses and telephone numbers of the representatives.

3.2 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. OCCUPATIONS AND WORK PERMITS

4.1 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 Technical Officer and at times to suit Transnet requirements.

4.2 The Contractor shall organise the Works in a manner, which will minimise the number and duration of occupations and work permits required.

4.3 Transnet 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.

4.4 The Contractor shall submit to the Technical Officer, in writing, requests for occupations or work permits together with details of the work to be undertaken, at least 14 days before they are required. Transnet does not undertake to grant an occupation or work permit for any particular date, time or duration.

4.5 Transnet 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 4.6 to 4.8.

- 4.6 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.
- 4.7 When the Contractor is notified less than 2 hours before the schedule 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.
- 4.8 Reimbursement the Contractor for any loss of working time in terms of 4.6 and 4.7, 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 Technical Officer certifies that no other work on which the labour and plant could be employed was immediately available.
- 4.9 Before starting any work for which an occupation has been arranged, the Contractor shall obtain from the Technical Officer written confirmation of the date, time and duration of the occupation.
- 4.10 Before starting any work for which a work permit has been arranged, the Responsible Representative shall read and sign portion C of form No. T.1276 signifying that he is aware of the limits 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 T.1276 form, thereby acknowledging that he is aware that the electrical equipment is to be made "live". The Contractor shall advise all his workmen accordingly.

5. SPEED RESTRICTIONS AND PROTECTION

- 5.1 When speed restrictions are imposed by Transnet 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.
- 5.2 When the Technical Officer 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 Transnet's and the Contractor's personnel and assets, the public and including trains. Transnet will provide training free of charge of the Contractor's flagmen and other personnel performing protection duties. The Contractor shall consult with the Technical Officer, whenever he considers that protection will be necessary, taking into account the minimum permissible clearances set out in appendixes 1 to 4.
- 5.3 The Contractor shall appoint a Responsible Representative to receive and transmit any instruction, which may be given by Transnet personnel providing protection.

6. ROADS ON TRANSNET PROPERTY

The provision of clause 25 of the E.5, General Conditions of Contract, or clause 23 of the E.5 (MW), General Conditions of Contract for Maintenance Works, shall apply to the use of existing roads on Transnet's property.

7. CLEARANCES

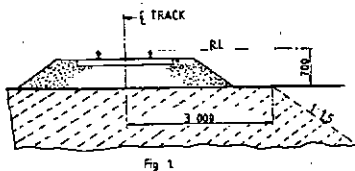
7.1 No temporary works shall encroach on the appropriate minimum clearances set out in Annexure 1 BE97-01 Sheets 1, 2, 3 and 5 of 5.

8. STACKING OF MATERIAL

8.1 The Contractor shall not stack any material closer than 3 m from the centre line of any railway line without prior approval of the Technical Officer.

9. EXCAVATION, SHORING, DEWATERING AND DRAINAGE

9.1 Unless otherwise approved by the Technical Officer any excavation adjacent to a railway line shall not encroach on the hatched area shown in Figure 1.



9.2 The Contractor shall provide at his own cost any shoring, dewatering or drainage of any excavation unless otherwise stipulated elsewhere in the Contract.

9.3 Where required by the Technical Officer, 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.

9.4 The Contractor shall prevent ingress of water to the excavation but where water does enter, he shall dispose of it as directed by the Technical Officer.

9.5 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.

10. FALSEWORK FOR STRUCTURES

10.1 Drawings of falsework for the construction of any structure over, under or adjacent to any railway line shall be submitted to the Technical Officer 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.

- 10.2 After the falsework has been erected and before any load is applied, the Contractor shall submit to the Technical Officer 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 Technical Officer to proceed, the Contractor shall be entirely responsible for the safety and adequacy of the falsework.

11. PILING

- 11.1 The Technical Officer will specify the conditions under which piles may be installed on Transnet property.

12. UNDERGROUND SERVICES

- 12.1 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.
- 12.2 Any damage shall be reported immediately to the Technical Officer, or to the official in charge at the nearest station, or to the traffic controller in the case of centralised traffic control.

13. BLASTING

- 13.1 The provisions of clause 23 of the E.5, General Conditions of Contract or clause 21 of the E.5 (MW), General Conditions of Contract for Maintenance Work, shall apply to all blasting operations undertaken in terms of the Contract.
- 13.2 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).
- 13.3 Blasting within 500m of a railway line will only be permitted during intervals between trains. A person appointed by the Technical Officer, 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.
- 13.4 The flagmen described in 13.3, where provided by Transnet, are for the protection of trains and Transnet 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.
- 13.5 The person described in 13.3 will record in a book provided and retained by Transnet 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.

13.6 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 Technical Officer and the person who will do the blasting shall both sign the book whenever an entry described in 13.5 is made.

13.7 The terms of clause 27 hereof shall be strictly adhered to.

14. RAIL TROLLEYS

14.1 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 Technical Officer and under the conditions stipulated by him.

14.2 All costs in connection with such trolley working requested by the Contractor shall, unless otherwise agreed, be borne by the Contractor, excluding the costs of any train protection services normally provided free of charge by Transnet.

15. SIGNAL TRACK CIRCUITS

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

15.2 No signal connections on track-circuited tracks shall be severed without the Technical Officer's knowledge and consent.

16. PENALTY FOR DELAYS TO TRAINS

16.1 If any trains are delayed by the Contractor and the Technical Officer is satisfied that the delay was avoidable, a penalty will be imposed on the Contractor of R5 000 per hour or part thereof for the period of delay, irrespective of the number of trains delayed.

PART B - ADDITIONAL SPECIFICATION FOR WORK NEAR HIGH-VOLTAGE ELECTRICAL EQUIPMENT

17. GENERAL

- 17.1 This specification is based on the contents of Transnet's publication SAFETY INSTRUCTIONS, HIGH-VOLTAGE ELECTRICAL EQUIPMENT, 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 Transnet, and the onus rests on the Contractor to ensure that he obtains a copy.
- 17.2 The Contractor's attention is drawn in particular to the contents of Part I, Sections 1 and 2 of the Safety Instructions: High-Voltage Electrical Equipment.
- 17.3 The Safety Instructions : High-Voltage Electrical Equipment 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).
- 17.4 This specification must be read in conjunction with and not in lieu of the Safety Instructions: High-Voltage Electrical Equipment.
- 17.5 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.
- 17.6 The Contractor shall regard all high-voltage equipment as live unless a work permit is in force.
- 17.7 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 Transnet staff where this is necessary.
- 17.8 No barrier shall be removed unless authorised by the Electrical Officer (Contracts).

18. WORK ON BUILDINGS OR FIXED STRUCTURES

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.

- 18.2 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.
- 18.3 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.

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

19.1 No person shall stand, climb or work whilst on any platform, surface or foothold higher than the normal unrestricted places of access, namely -

- (i) the floor level of trucks;
- (ii) external walkways on diesel, steam and electric locomotives, steam heat vans, etc. and
- (iii) walkways between coaches and locomotives.

When in these positions, no person may raise his hands or any equipment or material he is handling above his head.

19.2 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.

19.3 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.

19.4 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.

19.5 Where the conditions in 19.1 to 19.3 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 Transnet and at its costs, 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 in Transnet.

20. USE OF EQUIPMENT

20.1 Measuring Tapes and Devices

20.1.1 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.

20.1.2 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.

20.1.3 Special measuring devices longer than 2 metres such as survey staves and rods may be used if these are of non-conducting material and approved by the responsible Electrical Engineer in Transnet, but these devices must not be used within 3 metres of live high-voltage equipment in rainy or wet conditions.

20.1.4 The assistance of the Electrical Officer (Contracts) shall be requested when measurements within the limits defined in 20.1.1 to 20.1.3 are required.

20.1.5 The restrictions described in 20.1.1 to 20.1.3 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.

20.2 Portable Ladders

20.2.1 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.

21. CARRYING AND HANDLING MATERIAL AND EQUIPMENT

21.1 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 two or more persons so as to maintain it as nearly as possible in a horizontal position should carry such material. The utmost care must be taken to ensure that no part of the material comes within 3 metres of any live high-voltage equipment.

21.2 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.

21.3 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.

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

22.1 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.

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

22.3 The provisions of clauses 22.1 and 22.2 shall also apply to the erection or removal of columns, antennae, trees, posts, etc.

23. USE OF WATER

- 23.1 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.

24. USE OF CONSTRUCTION PLANT

- 24.1 "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.
- 24.2 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.
- 24.3 The cost of any supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.
- 24.4 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.
- 24.5 Clauses 24.1 to 24.4 shall apply mutatis mutandis to the use of maintenance machines of any nature.

25. WORK PERFORMED UNDER DEAD CONDITIONS UNDER COVER OF A WORK PERMIT

- 25.1 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.
- 25.2 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.

26. TRACTION RETURN CIRCUITS IN RAILS

- 26.1 DANGEROUS CONDITIONS CAN BE CREATED BY REMOVING OR SEVERING ANY BOND.
- 26.2 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 Transnet personnel.
- 26.3 The Contractor shall not break any permanent bonds between rails or between rails and any structure. He shall give the Technical Officer at least 7 days written notice when removal of such bonds is necessary.
- 26.4 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.

27. BLASTING

- 27.1 The Contractor shall obtain the permission of the Electrical Officer (Contracts) before blasting, and shall give at least 14 days' notice of his intention to blast.
- 27.2 No blasting shall be done in the vicinity of electrified lines unless a member of Transnet's electrical personnel is present.
- 27.3 The terms of clause 13 hereof shall be strictly adhered to.

28. HIGH-VOLTAGE ELECTRICAL EQUIPMENT NOT MAINTAINED AND/OR OPERATED BY TRANSNET

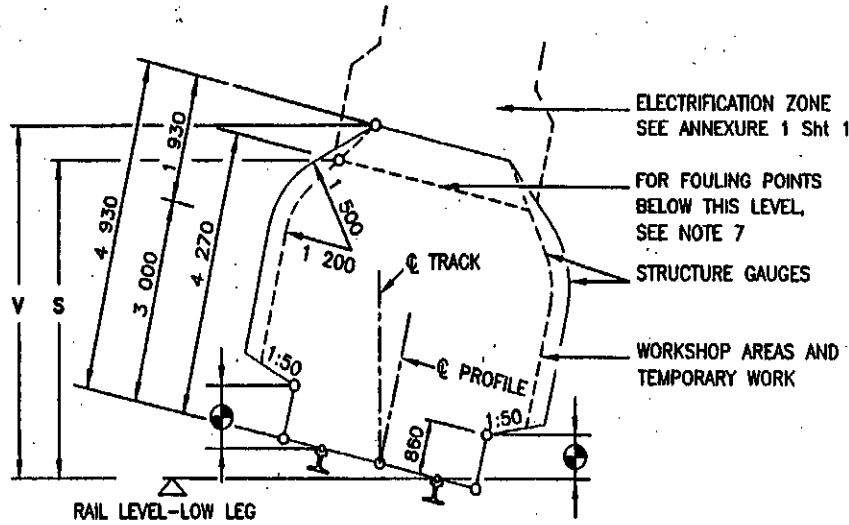
Where the work is undertaken on or near high-voltage electrical equipment which is not maintained and/or operated by Transnet, the Occupational Health and Safety Act No. 85 of 1993, and Regulations and Instructions, or the Mines Health and Safety Act (Act 29 of 1996), shall apply.

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.

ANNEXURE 1
 SHEET 2 of 5
 AMENDMENT

VERTICAL CLEARANCES :
 1 065mm TRACK GAUGE



LOCATION	RADIUS (mm)	NOT ELECTRIFIED S (mm)	ELECTRIFIED (PRESENT OR FUTURE)	
			3kV & 25kV V (mm)	50kV V (mm)
ALL AREAS OTHER THAN THOSE INDICATED BY * BELOW	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

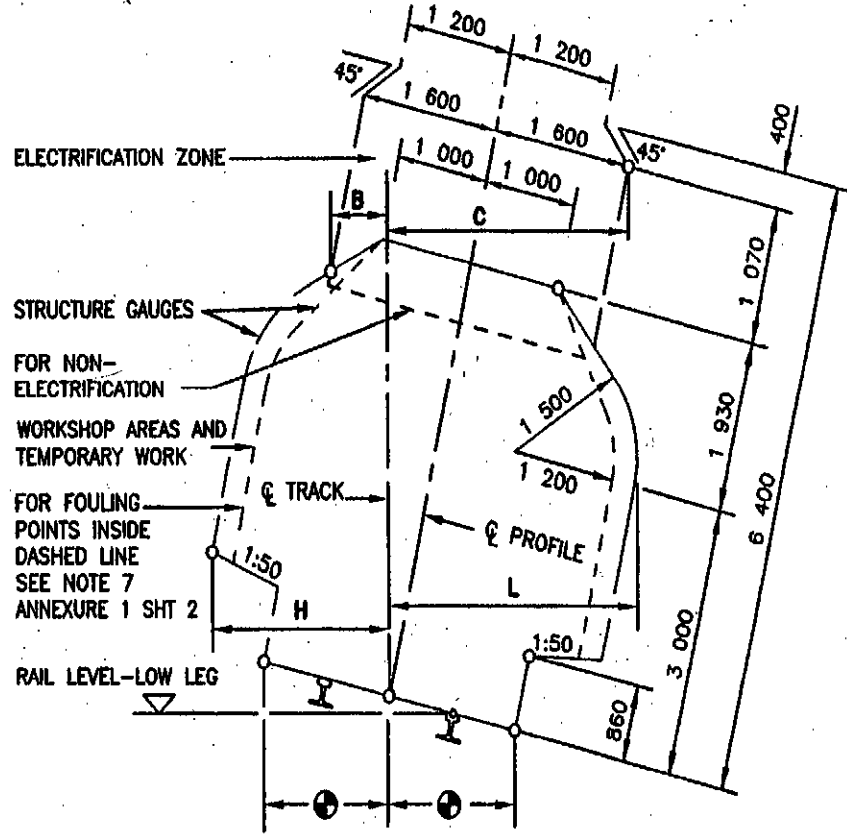
REMARKS:

- V IS THE REQUIRED VERTICAL CLEARANCE EXCEPT WHERE REDUCED CLEARANCE S APPLIES.
- S IS THE MINIMUM VERTICAL CLEARANCE FOR STRUCTURES AND TEMPORARY WORK OVER NON-ELECTRIFIED LINES.
- INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
- FOR APPLICATION AT CURVES
 - APPLY INCREASED CLEARANCES FOR CURVES TO POINTS 3m BEYOND THE ENDS OF THE CIRCULAR CURVE.
 - REDUCE CLEARANCES AT A UNIFORM RATE OVER THE REMAINDER OF THE TRANSITION CURVE.
 - FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 15m ALONG STRAIGHTS.
- NEW STRUCTURES: SEE BRIDGE CODE.
- TUNNELS: SEE DRAWING BE 82-35.
- FOULING POINTS: SEE CLAUSE 8.1.
- CLEARANCES ARE BASED ON 15m BOGIE CENTRES AND 21,2m VEHICLE BODY LENGTH.
- SEE ANNEXURE 1 SHEET 3 FOR PLATFORM CLEARANCES.

BE 97-01 SHt 2 of 5 DATE : JUNE 2000

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)	C (mm)
90	2 730	3 090	2 780	1 130	2 100
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	2 660	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:

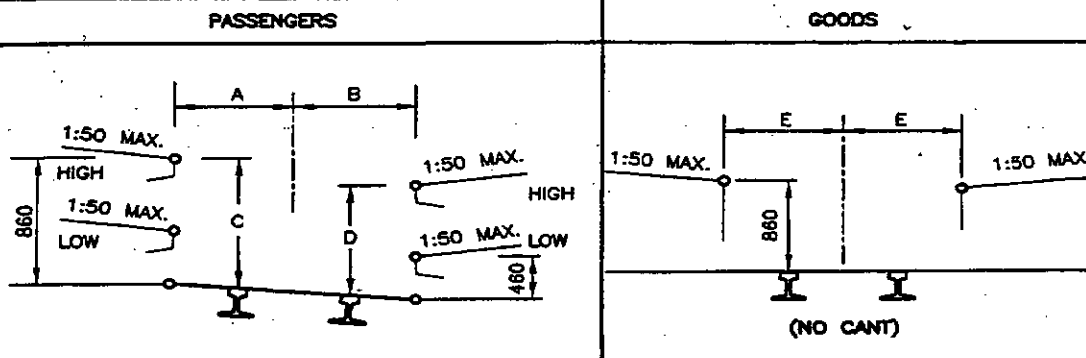
1. H AND B IS THE REQUIRED HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT.
2. L AND C IS THE REQUIRED HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT.
3. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
4. FOR WORKSHOP AREAS AND TEMPORARY 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.

BE 97-01 Sht 1 of 5 DATE : JUNE 2000

ANNEXURE 1
 SHEET 3 of 5
 AMENDMENT

CLEARANCES : PLATFORMS

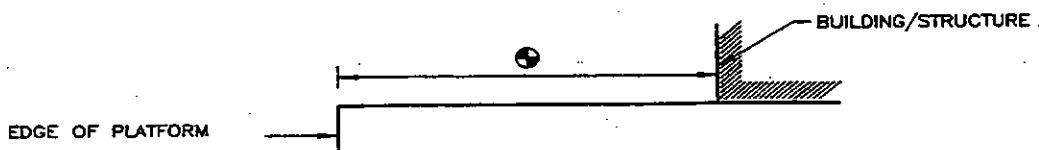
PLATFORMS : TRACK GAUGE 1 065mm



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	1 760
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	1 520	1 600	890	820	1 640
300	1 520	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 PLATFORM IS 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

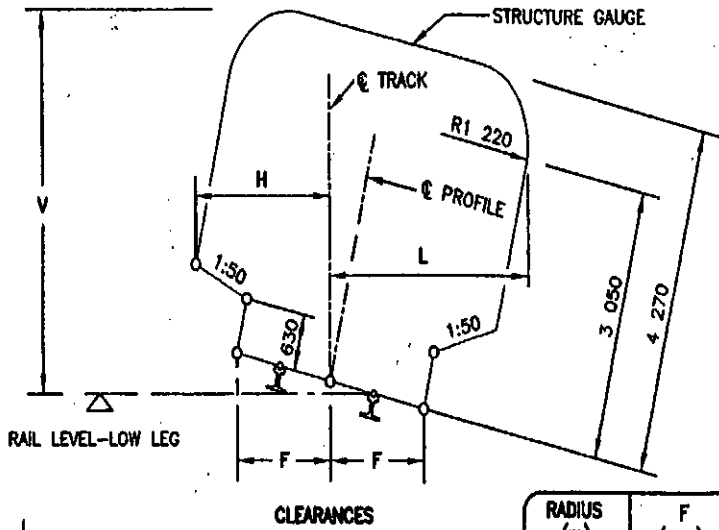


BE 97-01 Sht 3 of 5 DATE : JUNE 2000

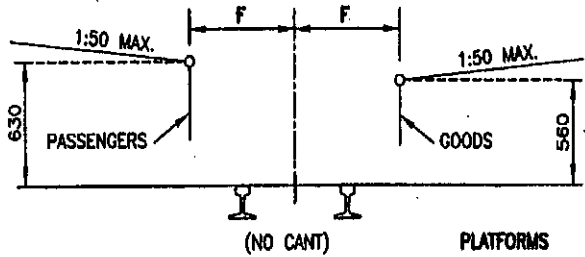
ANNEXURE 1
 SHEET 5 of 5
 AMENDMENT

CLEARANCES : 610mm TRACK GAUGE

RADIUS (m)	WITH CANT		NO CANT	V (mm)
	H (mm)	L (mm)	H & 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:

- H IS THE MINIMUM HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT.
- L IS THE MINIMUM HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT.
- V IS THE MINIMUM VERTICAL CLEARANCE.
- FOR APPLICATION AT CURVES:
 - APPLY INCREASED CLEARANCES FOR CURVES TO POINTS 2m BEYOND THE ENDS OF THE CIRCULAR CURVE.
 - REDUCE CLEARANCES AT A UNIFORM RATE OVER THE REMAINDER OF THE TRANSITION CURVE.
 - FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 18m ALONG STRAIGHTS.
- INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
- ALSO REFER TO REMARKS 5, 6 AND 7 OF ANNEXURE 1 SHEET 2.
- CLEARANCES ARE BASED ON 9 700mm BOGIE CENTRES AND 13 700mm VEHICLE BODY LENGTH.
- SEE ANNEXURE 1 SHEET 3 FOR STRUCTURES ON PLATFORMS.

BE 97-01 Sht 5 of 5 DATE : JUNE 2000

TRANSNET



freight rail

OCCUPATIONAL HEALTH AND SAFETY ACT 85 OF 1993 (AS AMENDED)

AGREEMENT WITH MANDATORY

In terms of Section 37(1) & (2)

WRITTEN AGREEMENT ENTERED INTO AND BETWEEN

Transnet Freight Rail

(Hereinafter referred to as the Employer)

AND

(Hereinafter referred to as Mandatory (Principal Contractor))

Compensation Fund Number :

Project Name :

NOTE: AGREEMENT WITH THE MANDATORY TO BE COMPLETED IN BLACK INK AND EACH PAGE AND CHANGE TO BE INITIATED.

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PREAMBLE

WHEREAS section 37(1) & (2) of the Occupational Health and Safety Act No 85 of 1993 ("the Act") requires that parties have an agreement in writing to ensure compliance by a mandatory in line with the provisions of the Act.

AND WHEREAS Transnet Freight Rail ("TFR") requires the services of the Contractors to execute certain projects within its workshops.

AND WHEREAS TFR can be better served by Contractors who have the infrastructure, specialist employees and expertise to execute such projects at the highest level of efficiency on short notice.

NOW THEREFORE the parties agree as follows;

1. DEFINITIONS

For the purpose of this agreement, unless the context indicates otherwise, the following definitions are set out for the terms indicated:

- 1.1 "Act" means the Occupational Health and Safety Act No 85 of 1993;
- 1.2 "Agreement" means this Mandatory agreement;
- 1.3 "Contractor" means the Mandatory;
- 1.4 "COID Act" means the Compensation for Occupational Injuries and Diseases Act No 130 of 1993.
- 1.5 "Effective Date" means the date of signature of this Agreement by the last party signing hereto;
- 1.6 "Employer" refers to TFR;
- 1.7 "Main Contract" means the main contract whereby the supplier has to provide services to TFR.
- 1.8 "Mandatory" means an agent, Contractor or sub-contractor for work, but without derogating from the status in his own right as an employer or user;
- 1.9 "Parties" means TFR and the Contractor, and "Party" shall mean either one of them, as the context indicates;
- 1.10 "Regulations" means regulations promulgated in terms of the relevant legislation.
- 1.11 "Section" means the relevant section of the Occupational Health and Safety Act No 85 of 1993
- 1.12 "Services" means the services to be provided by the Contractor to TFR.
- 1.13 "TFR" means Transnet Freight Rail, a division of Transnet SOC Limited (Registration No. **1990/000900/06**), a public company incorporated in accordance with the company laws of the Republic of South Africa;

2. INTERPRETATION

- 2.1 Clause headings in this Agreement are included for ease of reference only and do not form part of this Agreement for the purposes of interpretation or for any other purpose. No provision shall be construed against or interpreted to the disadvantage of either Party hereto by reason of such Party having or being deemed to have structured or drafted such provision.
- 2.2 Any term, word or phrase used in this Agreement, other than those defined under the clause heading "Definitions" shall be given its plain English meaning, and those terms, words,

acronyms, and phrases used in this Agreement will be interpreted in accordance with the generally accepted meanings accorded thereto.

- 2.3 A reference to the singular incorporates a reference to the plural and vice versa.
- 2.4 A reference to natural persons incorporates a reference to legal persons and vice versa.
- 2.5 A reference to a particular gender incorporates a reference to the other gender.

3. REPORTING

- 3.1 The Mandatary and/or his designated person appointed in terms of Section 16(2) of the Occupational Health and Safety Act 85 of 1993 ("the OHS Act") shall report to the Risk Manager and/or a Project Manager and/or a representative designated by the Employer prior to commencing the work at the premises of the Employer.

4. WARRANTY OF COMPLIANCE

- 4.1 In terms of this Agreement the Mandatary warrants that he agrees to any of the arrangements and procedures as prescribed by the Employer and as provided for in terms of Section 37(2) of the OHS Act for the purposes of compliance with the OHS Act.
- 4.2 The Mandatary further warrants that he and/or his employees undertake to maintain such compliance with the OHS Act. Without derogating from the generality of the above, nor from the provisions of the said Agreement, the Mandatary shall ensure that the clauses as hereunder described are at all times adhered to by himself and his employees.
- 4.3 The Mandatary hereby undertakes to ensure that the health and safety of any other person on the premises is not endangered by the conduct of his activities and that of his employees.

5. APPOINTMENTS AND TRAINING

- 5.1 The Mandatary shall appoint competent persons as per Section 16(2) of the OHS Act. Any such appointed person shall be trained on any occupational health and safety matter and the OHS Act provisions pertinent to the work is to be performed under his responsibility. Copies of any appointments made by the Mandatary shall immediately be provided to the Employer.
- 5.2 The Mandatary shall further ensure that all his employees are trained on the health and safety aspects relating to the work to be done on the premises of the Employer and that they understand the hazards associated with such work being carried out on the premises. Without derogating from the foregoing, the Mandatary shall, in particular, ensure that all his users or operators of any materials, machinery or equipment are properly trained in the use of such materials, machinery or equipment.
- 5.3 Notwithstanding the provisions of the above, the Mandatary shall ensure that he, his appointed responsible persons and his employees are at all times familiar with the provisions of the OHS Act, and that they comply with the provisions of the Act.

6. SUPERVISION, DISCIPLINE AND REPORTING

- 6.1 The Mandatary shall ensure that all work performed on the Employer's a premise is done under strict supervision and that no unsafe or unhealthy work practices are permitted. Discipline regarding health and safety matters shall be strictly enforced against any of his employees regarding non-compliance by such employee with any health and safety matters.

- 6.2 The Mandatary shall further ensure that his employees report to him all unsafe or unhealthy work situations immediately after they become aware of such conditions and that he in turn immediately reports these to the Employer and/or his representative.

7. ACCESS TO THE OHS ACT

- 7.1 The Mandatary shall ensure that he has an updated copy of the OHS Act on site at all times and that this is accessible to his appointed responsible persons and employees, save that the parties may make arrangements for the Mandatary and his appointed responsible persons and employees to have access to the Employer's updated copy/copies of the Act.

8. COOPERATION

- 8.1 The Mandatary and/or his responsible persons and employees shall provide full co-operation and information if and when the Employer or his representative inquires into any occupational health and safety issues concerning the Mandatary. It is hereby recorded that the Employer and his representative shall at all times be entitled to make such inquiry.
- 8.2 Without derogating from the generality of the above, the Mandatary and his responsible persons shall make available to the Employer and his representative, on request, all and/or any checklists and inspection registers required to be kept by him in respect of any of his materials, machinery or equipment.

9. WORK PROCEDURES

- 9.1 The Mandatary shall, after having established the dangers associated with the work performed, develop and implement mitigation measures to minimize or eliminate such dangers for the purpose of ensuring a healthy and safe working environment. The Mandatary shall then ensure that his responsible persons and employees are familiar with such mitigation measures.
- 9.2 The Mandatary shall implement any other safe work practices as prescribed by the Employer and shall ensure that his responsible persons and employees are made conversant with such other safe work practices as prescribed by the Employer and that his responsible persons and employees adhere to such safe work practices.
- 9.3 The Mandatary shall ensure that work for which any permit is required by the Employer is not performed by his employees prior to the Employer obtaining such permit from the Mandatary.

10. HEALTH AND SAFETY MEETINGS

- 10.1 If required in terms of the OHS Act, the Mandatary shall establish his own health and safety committee(s) and ensure that his employees, being the committee members, provide health and safety representatives to attend the Employer's health and safety committee meetings.

11. COMPENSATION REGISTRATION

- 11.1 The Mandatary shall ensure that he has a valid proof of registration with the Compensation Commissioner, as required in terms of **COID Act**, and that all payments owing to the Commissioner are discharged. The Mandatary shall further ensure that the cover remain in force while any such employee is present on the premises.

12. MEDICAL EXAMINATIONS

- 12.1 The Mandatary shall ensure that all his employees undergo routine medical examinations and that they are medically fit for the purposes of the work they are to perform.

13. INCIDENT REPORTING AND INVESTIGATION

- 13.1 All incidents referred to in Section 24 of the OHS Act shall be reported by the Mandatary to the Department of Labour and to the Employer. The Employer shall further be provided with copies of any written documentation relating to any incident.
- 13.2 The Employer retains an interest in the reporting of any incident as described above as well as in any formal investigation and/or inquiry conducted in terms of section 32 of the OHS-Act into such incident.

14. SUBCONTRACTORS

- 14.1 The Mandatary shall notify the Employer of any subcontractor he may wish to perform work on his behalf on the Employer's premises. It is hereby recorded that all the terms and provisions contained in this clause shall be equally binding upon the subcontractor prior to the subcontractor commencing with the work. Without derogating from the generality of this paragraph:
- 14.1.1 The Mandatary shall ensure that training as discussed under appointments and training, is provided prior to the subcontractor commencing work on the Employer's premises.
- 14.1.2 The Mandatary shall ensure that work performed by the subcontractor is done under his strict supervision, discipline and reporting.
- 14.1.3 The Mandatary shall inform the Employer of any health and safety hazards and/or issue that the subcontractor may have brought to his attention.
- 14.1.4 The Mandatary shall inform the Employer of any difficulty encountered regarding compliance by the subcontractor with any health and safety instruction, procedure and/or legal provision applicable to the work the subcontractor performs on the Employer's premises.

15. SECURITY AND ACCESS

- 15.1 The Mandatary and his employees shall enter and leave the premises only through the main gate(s) and/or checkpoint(s) designated by the Employer. The Mandatary shall ensure that employees observe the security rules of the Employer at all times and shall not permit any person who is not directly associated with the work from entering the premises.
- 15.2 The Mandatary and his employees shall not enter any area of the premises that is not directly associated with their work.
- 15.3 The Mandatary shall ensure that all materials, machinery or equipment brought by him onto the premises are recorded at the main gate(s) and/or checkpoint(s). Failure to do this may result in a refusal by the Employer to allow the materials, machinery or equipment to be removed from the Employer's premises.

16. FIRE PRECAUTIONS AND FACILITIES

- 16.1 The Mandatary shall ensure that an adequate supply of fire-protection and first-aid facilities are provided for the work to be performed on the Employer's premises, save that the Parties may mutually make arrangements for the provision of such facilities.
- 16.2 The Mandatary shall further ensure that all his employees are familiar with fire precautions at the premises, which includes fire-alarm signals and emergency exits, and that such precautions are adhered to.

17. ABLUTION FACILITIES

17.1 The Mandatary shall ensure that an adequate supply of ablution facilities are provided for his employees performing work on the Employer's premises, save that the parties may mutually make arrangements for the provision of such facilities.

18. HYGIENE AND CLEANLINESS

18.1 The Mandatary shall ensure that the work site and surround area is at all times maintained to the reasonably practicable level of hygiene and cleanliness. In this regard, no loose materials shall be left lying about unnecessarily and the work site shall be cleared of waste material regularly and on completion of the work.

19. NO NUISANCE

19.1 The Mandatary shall ensure that neither he nor his employees undertake any activity that may cause environmental impairment or constitute any form of nuisance to the Employer and/or his surroundings.

19.2 The Mandatary shall ensure that no hindrance, hazard, annoyance or inconvenience is inflicted on the Employer, another Mandatary or any tenants. Where such situations are unavoidable, the Mandatary shall give prior notice to the Employer.

20. INTOXICATION NOT ALLOWED

20.1 No intoxicating substance of any form shall be allowed on site. Any person suspected of being intoxicated shall not be allowed on the site. Any person required to take medication shall notify the relevant responsible person thereof, as well as the potential side effects of the medication.

21. PERSONAL PROTECTIVE EQUIPMENT

21.1 The Mandatary shall ensure that his responsible persons and employees are provided with adequate personal protective equipment (PPE) for the work they may perform and in accordance with the requirements of General Safety Regulation 2 (1) of the OHS Act. The Mandatary shall further ensure that his responsible persons and employees wear the PPE issued to them at all material times.

22. PLANT, MACHINERY AND EQUIPMENT

22.1 The Mandatary shall ensure that all the plant, machinery, equipment and/or vehicles he may wish to utilize on the Employer's premises is/are at all times of sound order and fit for the purpose for which it/they is/are attended to, and that it/they complies/comply with the requirements of Section 10 of the OHS Act.

22.2 In accordance with the provisions of Section 10(4) of the OHS Act, the Mandatary hereby assumes the liability for taking the necessary steps to ensure that any article or substance that it erects or installs at the premises, or manufactures, sells or supplies to or for the Employer, complies with all the prescribed requirements and will be safe and without risks in terms of health and safety when properly used.

23. NO USAGE OF THE EMPLOYER'S EQUIPMENT

23.1 The Mandatary hereby acknowledges that his employees are not permitted to use any materials, machinery or equipment of the Employer unless the prior written consent of the Employer has been obtained, in which case the Mandatary shall ensure that only those persons authorized to make use of such materials, machinery or equipment, have access thereto.

24. TRANSPORT

- 24.1 The Mandatary shall ensure that all road vehicles used on the premises are in a roadworthy condition and are licensed and insured. The Mandatary shall ensure that all drivers shall have relevant and valid driving licenses and the Mandatary shall ensure that no vehicle/s shall carry passengers unless it is specifically designed to do and that all drivers shall adhere to the speed limits and road signs on the premises at all times.
- 24.2 In the event that any hazardous substances are to be transported on the premises, the Mandatary shall ensure that the requirements of the Hazardous Substances Act 15 of 1973 are complied with fully all times.

25. CLARIFICATION

- 25.1 In the event that the Mandatary requires clarification of any of the terms or provisions of this Agreement, he should take the necessary steps to contact the Risk Manager of the Employer to obtain such clarification.

26. DURATION OF AGREEMENT

- 26.1 This Agreement shall remain in force for the duration of the work to be performed by the Mandatary and/or while any of the Mandatary's employees are present on the Employer's premises.

27. NON COMPLIANCE WITH THE AGREEMENT

- 27.1 If the Mandatary fails to comply with any provisions of this Agreement, the Employer shall be entitled to give the mandatory 7 (seven) days written notice to remedy such non compliance and if the Mandatary fails to comply with such notice, then the Employer shall forthwith be entitled but not obliged, without prejudice to any other rights or remedies which the mandatory may have in law,
 - 271.1 to suspend the main Agreement; or
 - 271.2 To claim immediate performance and/or payment of such obligations.
- 27.2 Should mandatory continue to breach the contract on three occasions, then the Employer is authorised to suspend the main contract without complying with the condition stated in the clause above.

28. HEADINGS

The headings as contained in this Agreement are for reference purposes only and shall not be construed as having any interpretative value in them or as giving any indication as to the meaning of the contents of the paragraphs contained in this Agreement.

Thus done and signed

at _____ on the _____ day of _____ 201__

For and on behalf of the Employer

Witnesses:

1. _____

2. _____

at _____ on the _____ day of _____ 201__

for and on behalf of the Mandatary

Witnesses:

3. _____

4. _____

PART 4: SITE INFORMATION

1. Description of the Site and its surroundings

1.1. General description

The work is to be carried out at Transnet Freight Rail, Bloemfontein.

1.2. Access Limitations

None

1.3. Ground conditions in areas affected by work in this contract

None

1.4. Hidden and other services within site

No hidden services