

RFQ / TENDER

Tender No: CRAC9401 B



Vendor No: 11001386

BOARD LIST
BOARD LIST
TRANSNET FREIGHT RAIL
PROCUREMENT DEPARTMENT
2000

Purchaser : Samantha Mgwatyu
Telephone : 011 584 0738
Fax Number: 011 7749129

Please quote reference:
DD6/6000582438

Deliver to:
Company
TFR Pretoria
Supply Chain Services
34 Carlton Centre
0001 Johannesburg

CLOSING DATE 16-10-2012
Validity Date : 31.01.2013
RFQ No : 6000582438

REPLACEMENT OF HIGH VOLTAGE PANELS ROOIWAL AND PIENAARSRIEVER
SUBSTATIONS (see attached Specification)

THE RFQ DOCUMENTS ARE OBTAINABLE FROM THE OFFICE OF TRANSNET FREIGHT RAIL, TENDER ADVISE CENTRE, GROUND FLOOR, INYANDA HOUSE 1, WELLINGTON ROAD, PARKTOWN, DURING OFFICE HOURS 08:00 TO 15:00 AND NON-REFUNDABLE RFQ FEE OF R100.00 IS APPLICABLE PER RFQ. PAYMENT TO BE MADE TO TRANSNET FREIGHT RAIL, STANDARD BANK ACCOUNT NUMBER : 203158598, BRANCH CODE : 004805

THE DEPOSIT SLIP MUST REFLECT THE RFQ NUMBER AND THE COMPANY NAME.
RECEIPT TO BE PRESENTED AT COLLECTION OF THE RFQ DOCUMENT.

QUOTATIONS MAYBE EMAILED OR FAXED TO : Thuli.mathebula@transnet.net / (011) 774-9129

1.1 QUOTATION/S MUST BE SUBMITTED PUNCTUALLY AT 10:00 ON OR BEFORE CLOSING DATE AND LATE QUOTATIONS WILL NOT BE CONSIDERED.

1.2 IF POSTED:

21 WELLINGTON ROAD
INYANDA HOUSE 1
PARKTOWN
2193

1.3, IF DELIVERED BY HAND:

TRANSNET FREIGHT RAIL-SUPPLY CHAIN SERVICES
21 WELLINGTON ROAD
INYANDA HOUSE 1
PARKTOWN

DATE:

SIGNATURE OF TENDERER(S):

CONTACT PERSON: TEL No:

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2. CONDITIONS:

2.2 ANY PURCHASE ORDER PLACED AS A RESULT OF YOUR QUOTATION WILL BE SUBJECT TO THE STANDARD TERMS AND CONDITIONS OF CONTRACT, FORM US7, (LATEST), GENERAL TENDER CONDITIONS, FORM CSS5 (LATEST) AND CONDITIONS MENTIONED HEREIN.

2.3 TENDERERS MAY OFFER AN EARLIER VALIDITY DATE, BUT THEIR QUOTATION MAY, IN THAT EVENT, BE DISREGARDED FOR THIS REASON.

2.4 TENDERERS ARE REQUIRED TO OFFER ONLY FIRM PRICES. PRICES SUBJECT TO REVIEW IN TERMS OF CLAUSE 32 OF FORM US7 WILL ONLY BE CONSIDERED SHOULD THE DELIVERY PERIOD REQUIRED EXCEED 6 MONTHS.

2.5 BEST DELIVERY TIME MUST BE OFFERED.

2.6 DISCOUNT (TRADE DISCOUNT) CASH DISCOUNT (CONDITIONAL DISCOUNT) VALUE VALUE ADDED TAX (VAT) MUST BE SHOWN SEPARATELY.

2.7 TRANSNET RESERVES THE RIGHT TO NEGOTIATE PRICES AND COMMERCIAL ASPECTS AFTER THE CLOSING DATE OF THE QUOTATION.

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2.8 DIRECT DELIVERY INTIMATES DELIVERY BEING EFFECTED INTO THE WAREHOUSE OR THE ACTUAL POINT OF SUPPLY AND SHOULD THEREFORE INCLUDE ANY TRANSPORTATION MODE DEEMED NECESSARY IN EXECUTING THIS METHOD OF DELIVERY BASIS IN ORDER TO MEET THE REQUIRED DELIVERY DATE.

TAX CLEARANCE CERTIFICATES:

The Regulations in terms of the Public Finance Management Act, 1999: Framework for Supply Chain Management as published in Government Gazette No. 25767 dated 5 December 2003, Clause 9 (1) (d), stipulates that the accounting officer or accounting authority of an institution to which these regulations apply must reject any bid from a supplier who fails to provide written proof from the South African Revenue that the supplier either has no outstanding tax obligations or has made arrangements to meet outstanding tax obligations.

Tenderers will be disqualified if a valid tax clearance certificate or written proof from the South African Revenue Service that supplier has made arrangements to meet outstanding tax obligations is not submitted with the tender.

COMPANY DETAILS:

NAME OF COMPANY: _____
CONTACT PERSON: _____
TEL. NO. _____ FAX NO: _____
REG. NO. _____

BROAD BASED BLACK ECONOMIC EMPOWERMENT (BBBEE)

Transnet fully endorses and supports the Government's Broad-based Black Economic Empowerment Programme and it is strongly of the opinion that all South African Business Enterprises have an equal obligation to redress the imbalances of the past. Transnet will therefore prefer to do business with local business enterprises who share these same values. Transnet will endeavour to do business with local business enterprises that possess a BBBEE "recognition level" of at least a level 5. Transnet urges Tenderers (large enterprises and QSE's - see below) to have themselves accredited by any one of the various Accreditation Agencies available, who do their BBBEE ratings in accordance with the latest Codes (i.e. those promulgated on 9 February 2007) and whose names appear on the present ABVA (Association of BEE Verification Agencies) - "List of Full Members" as displayed on the ABVA website (www.abva.co.za).

Although no agencies have, as yet, been accredited by SANAS (SA National Accreditation System), Transnet will, in the interim, accept rating certificates of tenderers who have been verified by any of the listed agencies.

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

1. Large Enterprises (i.e. annual turnover >R35million:
" Rating level based on all seven elements of the BBBEE scorecard.
2. Qualifying Small Enterprises - (QSE) (i.e. annual turnover >R5million but <R35million:
" Rating based on any four elements of the BBBEE scorecard.

NB:

3. Emerging Micro Enterprises - (EME) (i.e. annual turnover <R5m) are exempted from being rated/verified:
" Automatic rating of Level 4 BBBEE irrespective of race of ownership, i.e. 100% BBBEE recognition
" Black ownership >50% or Black Women ownership >30% automatically qualifies as Level 3 BBBEE, i.e. 110% BBBEE recognition
" EME's should provide certified documentary proof of annual turnover (i.e. audited financials) plus proof of Black ownership if Black ownership >50% or Black Women ownership >30% from the EME's Auditor/Accounting Officer.

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4. In addition to the above, Tenderers who wish to enter into a Joint Venture or subcontract portions of the contract to BBBEE companies, must state in their tenders the percentage of the total contract value that will be allocated to such BBBEE companies, should they be successful in being awarded any business. A rating certificate in respect of such BBBEE JV-partners and / or sub-contractor/s, as well as a breakdown of the distribution of the aforementioned percentage must also be furnished

In view of the high emphasis which Transnet places on Broad-based Black Economic Empowerment, Transnet will allow certain preference points for BBBEE in the evaluation of all responses. Depending upon the value of the ensuing business award (i.e. below or in excess of R2m), the 80/20 or 90/10 point preference systems will be utilized where BBBEE will count out of 20 or 10 respectively in the evaluation process.

EACH RESPONDENT IS REQUIRED TO FURNISH PROOF OF THE ABOVE TO TRANSNET. FAILURE TO DO SO WILL RESULT IN A SCORE OF ZERO BEING ALLOCATED FOR BBBEE.

Turnover: Kindly indicate your company's annual turnover for the past year R _____

- " If annual turnover <R5m, please attach certified confirmation from your Auditor/Accounting Officer
- " If annual turnover >R5m please attach original or certified copy of accreditation certificate and detailed scorecard by an ABVA accreditation agency (registered as a "Full Member")

PAYMENT TERMS

The following payment terms will apply as from 1 October 2008.

- " All suppliers will be paid 30 days from receipt of month end statement, i.e. payment term F055.

CONDITIONS:

This quotation is subject to the provisions of the Standard Terms and Conditions of Contract, Form US7, (Latest) and the General Tender Conditions, Form CSS5 (Latest) and any other standard or special conditions mentioned and/or embodied in the quotation request.

SCHEDULE OF REQUIREMENTS

PRICES TENDERED ARE TO BE "DIRECT" AND EXCLUDE VAT.

IN THIS REGARD, THE TENDERER'S ATTENTION IS DIRECTED TO PARAGRAPH 16 OF FORM CSS5 (LATEST).

DATE:

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TRANSNET INSISTS ON HONESTY AND INTEGRITY BEYOND REPROACH AT ALL TIMES AND WILL NOT TOLERATE ANY FORM OF IMPROPER INFLUENCING, BRIBERY, CORRUPTION, FRAUD, OR ANY OTHER UNETHICAL CONDUCT ON THE PART OF BIDDERS/ TRANSNET EMPLOYEES. IF, IN THE OPINION OF TRANSNET'S CHIEF OPERATING OFFICER, A TENDERER / CONTRACTOR / SUPPLIER HAS OR HAS CAUSED TO BE PROMISED, OFFERED OR GIVEN TO ANY TRANSNET EMPLOYEE, ANY BRIBE, COMMISSION, GIFT, LOAN, ADVANTAGE OR OTHER COSIDERATION, TRANSNET SHALL BE ENTITLED TO REVOKE THE TENDER / CONTRACT BY FOLLOWING ITS INTERNAL POLICIES THAT GOVERN THE ECLUSION PROCESS. IN SUCH AN EVENT TRANSNET WILL BE ENTITLED TO PLACE ANY TENDERER / CONTRACTOR / SUPPLIER WHO HAS CONTRAVENED THE PROVISIONS OF TRANSNET'S BUSINESS ETHICS ON ITS LIST OF EXCLUDED TENDERERS. THIS LIST WILL ALSO BE DISTRIBUTED TO ALL OTHER STATE OWNED ENTERPRISES AND GOVERNMENT DEPARTMENTS.

TRANSNET INVITES ITS VALUED SUPPLIERS TO REPORT ANY ALLEGATIONS OF FRAUDCORRUPTION OR OTHER UNETHICAL ACTIVITIES TO TRANSNET TIP-OFFS ANONYMOUS,AT ANY OF THE FOLLOWING ADDRESSES / CONTACT NUMBERS:-

TOLL-FREE ANONYMOUS HOTLINE - 0800 003 056
EMAIL - Transnet@tip-offs.com
FAX NUMBER - 0800 007 788
FREEPOST DN 298, UMHLANGA ROCKS, 4320

CONFIDENTIALITY IS QUARANTEED

Item	Qty	Material	Description	
00010	1		Replacing HV panels at Rooiwaal	R..... Each
Delivery Date: 25.09.2012				
FULL DETAILS OF DESCRIPTION				
00020	1		Replace HV panels at Pienaarsriver	R..... Each
Delivery Date: 25.09.2012				
FULL DETAILS OF DESCRIPTION				

DATE:

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3. ADDITIONAL INFORMATION REQUIRED: (WHERE APPLICABLE)

3.1 THE FOLLOWING ADDITIONAL INFORMATION IS REQUIRED:

- (A) DISCOUNT:
- (B) SETTLEMENT DISCOUNT:.....
- (C) PRICE/S FIRM:
- (D) PRICE/S FIRM UNTIL THEREAFTER SUBJECT TO REVIEW.
- (E) PRICE/S NOT FIRM:
- (F) SABS MARK:
- (G) SABS PERMIT NO:
- (H) BRAND/MAKE/TYPE:
- (I) FULL NAME AND ADDRESS OF MANUFACTURER.:
.....
.....
.....
- (J) FULL NAME AND ADDRESS OF INSPECTION POINT:
.....
.....
.....
- (K) COUNTRY OF ORIGIN:

Comply : _____ Does not Comply : _____ Not applicable : _____

Justification :

- (L) SURPLUS MATERIAL:
TENDERERS MUST INDICATE IF THEY WILL BE PREPARED TO PURCHASE BACK FROM TRANSNET ANY SURPLUS MATERIAL WHICH MAY BECOME AVAILABLE FROM ANY RESULTING PURCHASE ORDER/CONTRACT ORIGINATED FROM THE QUOTATION SUBMITTED:
.....
- (M) PAYMENT OVERSEAS:
ONLY IF TRANSNET LIMITED IS REQUESTED BY THE TENDERER TO EFFECT PAYMENT OVERSEAS DIRECT TO THE TENDERER'S PRINCIPAL/SUPPLIER THE FOLLOWING INFORMATION IS REQUIRED:
* EXCHANGE RATE ON WHICH THE QUOTATION PRICE IS BASED: R1,00 (S.A. CURRENCY) BEING EQUAL TO (FOREIGN CURRENCY)
* PERCENTAGE IN RELATION TO THE QUOTATION PRICE TO BE REMITTED OVERSEAS:
.....
* NAME OF COUNTRY TO WHICH PAYMENT IS TO BE MADE:
.....
* APPLICABLE DATE OF EXCHANGE RATE:
.....
* BENEFICIARY'S NAME AND FULL ADDRESS:
.....
.....



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* BENEFICIARY'S BANKERS AND FULL ADDRESS:
.....
.....
.....

* APPLICABLE ACCOUNT NUMBER:
.....

(N) DELIVERY DATE:

TENDERERS MUST FURNISH THEIR ACTUAL DELIVERY AND MANUFACTURING PERIOD HEREUNDER NOTWITHSTANDING THE DELIVERY DATES SPECIFIED BY TRANSNET.

THE FOLLOWING MUST ALSO BE FURNISHED IN REGARD TO THE ABOVE:

1. PERIOD REQUIRED TO OBTAIN RAW MATERIAL.(DAYS)
2. MANUFACTURING PERIOD.(DAYS)
3. PERIOD TO TRANSPORT MATERIAL TO DESTINATION.(DAYS)

MATERIAL NO.	1.(PERIOD)	2.(PERIOD)	3.(PERIOD)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

INDICATE THE PERCENTAGE (%OF THE PRICE THAT IS SUBJECT TO THE VARIABLE COPPER FEE:%.

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DATE:

SIGNATURE OF TENDERER(S):

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SCOPE:

- 0.1 This project specification covers the requirements for the design, supply, installation, testing and commissioning of switchgear at 11 Kv Signal and distribution substations at Rooiwal and Pienaarsrivier
- 1.1.1 This includes removal of existing old oil/obsolete switchgear, mounting the new equipment, termination and connecting of applicable cables.
- 1.2 Details of the specific substation locations and electrical equipment replacement requirements are specified in the body of this document and the attached replacement schedule forming Appendix 1 of this document. The equipment supplied and the installation thereof, shall comply with requirements of Specification BBB 4182.

2.0 SPECIFICATIONS AND STANDARDS

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

2.1 Spoornet:

2.1.1 Specifications-

BBB4182: Specification for indoor medium-voltage alternating-current switchgear and controlgear.

CEE.0023.90: Specification for installation of cables.

A Manual and Guidelines for Management of Polychlorinated Biphenyls in Transnet.

2.1.2 Drawings-

PRE-PEA-10 Rooiwal 11kV Switching Diagram.

?????? Pienaarsrivier 11 kV Switching diagram.

- 2.2 South African National Standards:
SANS 10142-1: Wiring Code
SANS 121: Hot Dip Galvanised Coating for Fabricated Iron or Steel Article.
SANS 60060: High Voltage Test Techniques.
- 2.3 British Standards:
BS 5207: Sulphur Hexafluoride For Electrical Equipment.

3.0 DESCRIPTION OF WORK

The Contractor shall - at the distribution substations and as per the electrical equipment replacement requirements specified in Appendix 1- 'Schedule of Requirements and Prices':

- 3.1 Disconnect, dismantle and remove the existing old oil/obsolete switchgear. The contractor shall then transport the switchgear to the respective main depots where these will be handled by Transnet.
- 3.2 Design, supply, install and connect the new switchgear with it's associated operating mechanism and control panel complete with all the necessary protection, control, metering and measuring equipment as required.
- 3.3 Supply the circuit breaker and it's control panel from the same supplier/manufacturer.
- 3.4 Provide the switchgear with the final routine test certificate of the complete panel from the supplier/manufacturer.
- 3.5 Supply and install new battery (25 Amp-Hour capacity) and battery charger units, with relevant cabling for all substations. The supply voltage for all control circuits shall be 110V.
- 3.6 Repair floors and replace checker plates behind/around the panels where required.
- 3.7 Make provision for telecontrol in all panels (refer to clause 17.6 of Specification BBB 4182).
- 3.8 Have suitably qualified/certified workers/staff to work on HV equipment and cables.
- 3.9 Not work (have off load) in two adjacent substations simultaneously.
- 3.10 Test, commission and hand over the equipment.

4.0 TRAINING

- 4.1 The contractor's team supervisors could be required to attend a Transnet electrical safety course and be authorised to supervise the contractor's staff whilst working in the substations on this contract. Transnet will organise the course and further details will be communicated to the successful tenderer.
- 4.2 The tenderer shall submit details with the tender of the training courses, which will be conducted by the supplier/contractor for the training of Transnet maintenance staff in the operation and maintenance of the equipment supplied. The courses shall include theoretical as well as practical tuition. The cost of the training shall be quoted for separately..

5.0 PROTECTION REQUIREMENTS

5.1 The protection required shall be as per panel as specified below and comply with the requirements of specification BBB 4182:

5.1.1 Incomer:

Frame Leakage Protection (refer to clause 5.1.5 for where a bus-sectionalizer is installed)
Earth Fault Protection
Overcurrent Protection

5.1.2 HV Transmission Line:

Overcurrent Protection
Earth Fault Protection
Sensitive Earth Fault Protection
Auto-reclosing

5.1.3 Busbars (With Bus sectionalizer):
Frame Leakage (Zone) Protection

5.2 Frame Leakage Protection shall be provided in Rooiwal substation, as per clauses 5.1.1; 5.1.5 or as indicated in the "Special/Additional Requirements" column of Appendix 1.

5.3 The contractor shall provide intertripping and phase failure protection/monitoring where specified in Appendix 1.

6.0 SWITCHGEAR

6.1 All circuit breakers/switchgear shall be 11kV, 3phase, 50Hz rated.

6.2 The rated continuous current shall not be less than 630A.

6.3 The rated short circuit breaking current shall not be less than 20kA.

6.4 The short time withstand current rating for medium voltage equipment supplied shall not be less than 20kA for 3s.

7.0 INDICATION AND METERING REQUIREMENTS

7.1 All indicating and metering equipment shall be in accordance with clause 12 and 13 of

Specification BBB 4182, respectively.

7.2 Ammeters shall be installed in all panels, excluding bus sectionalizer and fuse switch disconnecter panels. The current in all three phases shall be readable.

7.2.1 Maximum demand ammeters shall be installed on all transformer panels.

7.3 Voltmeters shall be installed where indicated in Appendix 1.

7.3.1 Voltage measurement shall be done on the cable side..

8.0 INSTRUMENT TRANSFORMERS

8.1 The current transformers shall be supplied with ratios as indicated in Appendix 1.

8.1.1 The CT ratio's given in Appendix 1 were recorded from the existing old equipment at the distribution substations.

8.1.2 The contractor shall be responsible to verify that the CT ratios and other ratings are suitable for the protection requirements at each substation.

8.2 Current transformers for 'Differential Protection' shall be of class X, and for other protection be of accuracy class 10P and accuracy limit factor 10.

8.3 Measuring and metering CT's shall be in accordance with clause 14 of Specification BBB 4182.

8.4 The contractor shall provide a 10 A rated test winding on CT's.

8.5 Supply voltage transformers 11kV. VT's shall have a secondary output of 110V.

9.0 CABLING AND WIRING

9.1 The contractor shall supply 11kV rated cables with suitable current rating for each application.

9.1.1 Cabling and wiring shall be in accordance with CEE.0023.90 and SANS 10142-1.

9.2 No joining of cables will be accepted. The contractor shall provide cables that are long enough for the application.

9.3 All cables shall terminate in compression type glands. These glands shall be fitted with neoprene shrouds.

9.4 All dissimilar metal connections (Cu to Al) shall be made using bi-metallic clamps that are specifically designed and manufactured to make that particular connection (ad hoc fabricated clamps are not acceptable).

9.5 All copper connections to steel (galvanised) shall be tinned.

10.0 DISPOSAL AND TREATMENT OF OIL AND OIL FILLED CIRCUIT BREAKERS

10.1 The collection, handling and disposal of oil from the OCBs shall be done in a safe and environmentally sound manner.

10.2 Unless any equipment to be replaced containing oil is clearly certified PCB free, the contractor shall test or make arrangements for the testing of the circuit breaker oil for Polychlorinated Biphenyls (PCBs) before replacing the OCBs and submit the results to Transnet

10.2.1 The units with levels of contamination less than 20ppm PCB shall be disposed of following the normal disposal procedure.

10.2.2 Any units with residual PCB pollution, or oils contaminated to a level greater than 50ppm shall be treated as PCB ITEMS.

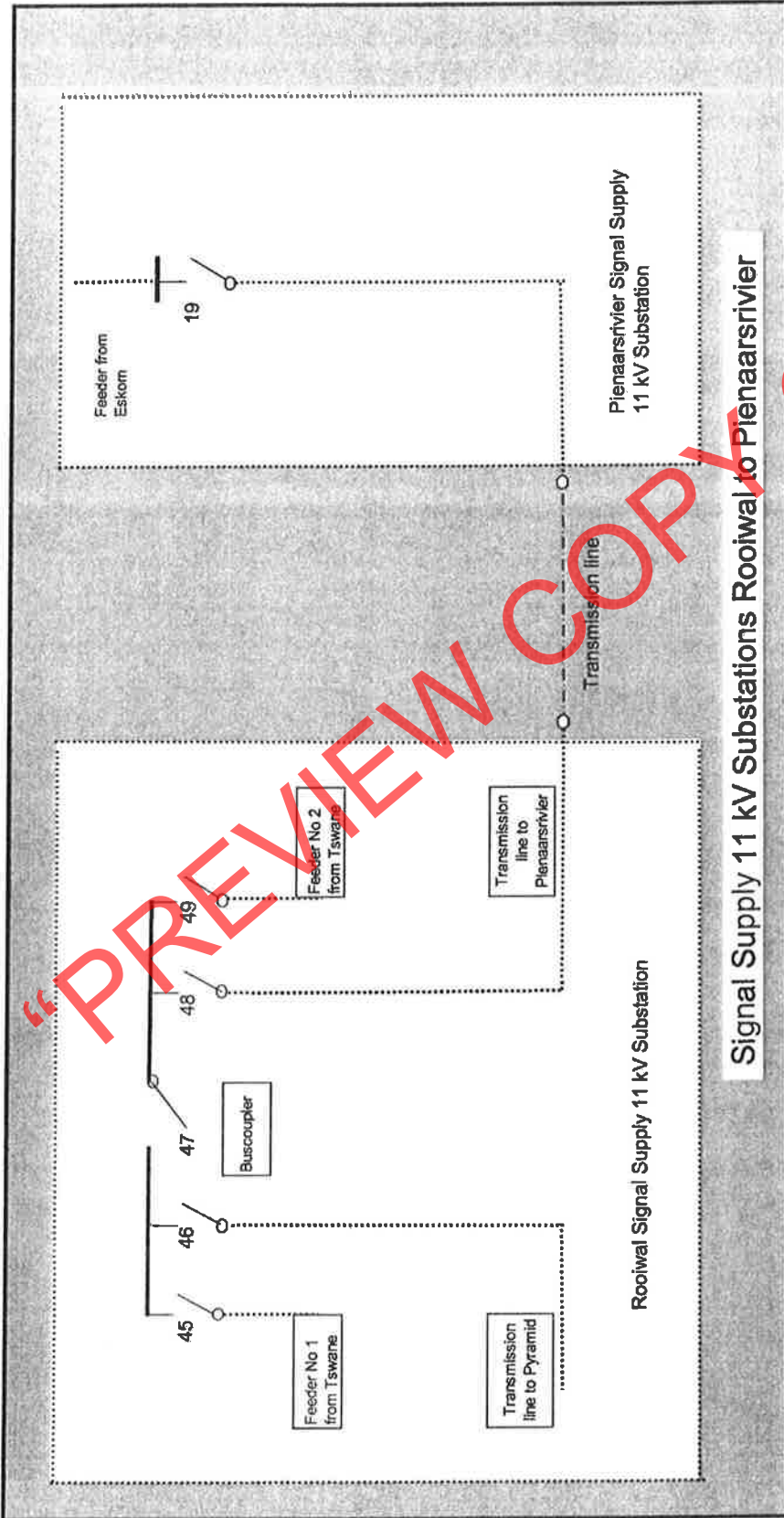
10.2.3 Equipment and oil with a PCB content of between 20 and 49 PPM is classified as 'mildly contaminated' and shall be properly identified, i.e. marked with yellow stickers, and disposed of as contaminated.

- 10.3 In case of PCB items being identified, handling and disposal of the equipment shall be done in accordance to "A Manual and Guidelines for Management of Polychlorinated Biphenyls in Transnet".
- 10.4 Approved degreasing agents on concrete surfaces shall be used, if required.
- 10.5 The costs for analyses of oils for PCB's must be furnished separately by the tenderers (Appendix 2 – Table 1).
- 10.6 The old circuit breakers that are not contaminated shall be transported by the contractor to the main respective depots.

11.0 TESTING AND COMMISSIONING

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

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Signal Supply 11 kV Substations Rooiwal to Piensaarsriver

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