



**TRANSNET FREIGHT RAIL**  
**an Operating Division of**  
**TRANSNET LIMITED**  
(Registration No. 1990/000900/06)

**REQUEST FOR QOUTATION (“RFQ”)**

**RFQ NUMBER WR/BFX/50990**

**PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND  
ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION**

**ISSUE DATE : 17 AUGUST 2010**  
**CLOSING DATE : 7 SEPTEMBER 2010**  
**CLOSING TIME : 10h00**

**Please note that late responses and those delivered or posted  
to the incorrect address will be disqualified.**



**RFQ NUMBER WR/BFX/50990**

**PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION**

**SCHEDULE OF DOCUMENTS**

**Section**

- 1. Notice to Bidders**
- 2. Background, Overview and Scope of Requirements**
- 3. Quotation Form**
- 4. Resolution of Board of Directors (Respondent's Representative)**
- 5. Certificate of Acquaintance with RFQ Documents**
- 6. Service Fees and Costs**
- 7. General Tender Conditions (CSS5 – Services)**
- 8. Standard Terms and Conditions of Contract (US7 - Services)**
- 9. Certificate of Attendance of RFQ Briefing**
- 10. Non-Disclosure Agreement**



## SECTION 1

### RFQ NUMBER WR/BFX/50990

### PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION

#### NOTICE TO BIDDERS

1. Quotations are requested from interested persons, companies, close corporations or enterprises (hereinafter referred to as the "**Respondent(s)**") to supply the above-mentioned requirement to Transnet.

On or after 17 August 2010 the RFQ documents may be inspected at, and are obtainable from the office of Supply Chain Services, Room 102, 1 st Floor, Transwerk Building, Transnet Road, Bloemfontein.

Any additional information or clarification will be faxed or emailed to all potential Respondents, if necessary.

2. A compulsory pre-Quotation site meeting and/or briefing session will be conducted at Bethlehem on the 26 August 2010, at 10:00 for a period of  $\pm$  1 hour. (**Respondent to provide own transportation and accommodation**).

Respondents failing to attend the compulsory site meeting and/or briefing session will be disqualified.

Respondents without a valid RFQ document in their possession will not be allowed to attend the site meeting and/or briefing session.

**The briefing session will start punctually at 10:00 and Respondents arriving late will not be accommodated.**

For specific queries before the closing of the RFQ, the following Transnet employee(s) may be contacted by email only:

Name : Gideon Joubert  
Division : Supply Chain Services  
Email : Gideon.Joubert@Transnet.net

3. Quotations must reach the Regional Office, Supply Chain Services, before the closing hour on the date shown below, and must be enclosed in a sealed envelope which must have inscribed on the outside:

<b>RFQ No</b>	<b>: WR/BFX/50990</b>
<b>Description</b>	<b>: Design, supply, install, test &amp; commission 4.5mw rectifier &amp; associated equipment at Bethlehem substation</b>
<b>Closing date and time</b>	<b>: 7 September 2010 at 10h00</b>
<b>Closing address (refer options paragraph 4 below)</b>	



**4. DELIVERY INSTRUCTIONS FOR THIS RFQ**

- 4.1 **If posted**, the envelope must be addressed to the Regional Office, Supply Chain Services, Tender Box, P.O. Box 842, Kimberley 8300 and must be dispatched in time for sorting by the Post Office to reach the Secretary before the closing time of the RFQ. In the event of the late receipt of a Quotation, the Respondent's franking machine impression will not be accepted as proof that the response was posted in time.
- 4.2 **If delivered by hand**, the envelope is to be deposited in the TRANSNET tender box which is located at the main entrance, Property Management Building, Austen Street, Beaconsfield, Kimberley and should be addressed as follows:

**REGIONAL OFFICE  
SUPPLY CHAIN SERVICES  
TENDER BOX  
OFFICE NO. 2  
PROPERTY MANAGEMENT BUILDING  
AUSTEN STREET  
BEACONSFIELD  
KIMBERLEY**

The measurements of the "tender slot" are 500mm wide x 100mm high, and Respondents must please ensure that response documents or files are not larger than the above dimensions. Responses which are too bulky (i.e. more than 100mm thick) must be split into two or more files, and placed in separate envelopes.

- 4.3 **If dispatched by courier**, the envelope must be addressed as follows and delivered to the Regional Office, Supply Chain Services, Tender Box and a signature obtained from that Office.

**REGIONAL OFFICE  
SUPPLY CHAIN SERVICES  
TENDER BOX  
OFFICE NO. 2  
PROPERTY MANAGEMENT BUILDING  
AUSTEN STREET  
BEACONSFIELD  
KIMBERLEY**

- 5. Please note that this RFQ closes punctually at 10:00 on Tuesday 7 September 2010.
- 6. If responses are not posted or delivered as stipulated herein, such responses will not be considered and will be treated as "UNRESPONSIVE."
- 7. NO EMAIL OR FACSIMILE RESPONSES WILL BE CONSIDERED.
- 8. The responses to this RFQ will be opened as soon as practicable after the expiry of the time advertised for receiving them.
- 9. Transnet shall not, at the opening of responses, disclose to any other company any confidential details pertaining to the Quotations / information received, i.e. service fees, deliverables, etc. The names and location of the Respondents will, however, be divulged to other Respondents upon request.



10. Envelopes must not contain documents relating to any RFQ other than that shown on the envelope. All envelopes must reflect the return address of the Respondent on the reverse side.
11. No slips are to be attached to the response documents. Any additional conditions must be embodied in an accompanying letter. Subject only to clause 22 (*Alterations made by the Respondent to Tendered Prices*) of the General Tender Conditions, alterations, additions or deletions must not be made by the Respondent to the actual RFQ documents.
12. **BROAD-BASED BLACK ECONOMIC EMPOWERMENT (“BBBEE”)**

TRANSNET fully endorses and supports the South African Government’s Broad-Based Black Economic Empowerment Programme and it is strongly of the opinion that all business enterprises have an equal obligation to redress the imbalances of the past. TRANSNET would therefore prefer to do business with business enterprises who share these same values and who are prepared to contribute to meaningful BBBEE initiatives (including and not limited to enterprise development, subcontracting and Joint Ventures) as part of their tender response.

Transnet would accordingly allow a “preference” in accordance with the 10% preference system, as per the Preferential Procurement Policy Framework Act 5 of 2000 (as amended) to companies who provide a BBBEE accreditation Certificate. All procurement and disposal transactions in excess of R30000 will be evaluated accordingly. All transactions below R30000 will as far as possible be earmarked for EME’s.

TRANSNET consequently urges Respondents (Large enterprises and QSE’s – see below) to have themselves duly accredited by any one of the Accreditation Agencies [approved](#) by SANAS (South African National Accreditation System, under the auspices of the DTI).

In terms of Government Gazette No. 32094, Notice No. 354 dated 23 March 2009, as from 1 August 2009, only BBBEE accreditation Certificates issued by SANAS approved verification agencies will be valid.

However accreditation certificates issued before 23 March 2009 and which are still within their one (1) year validity period will still be acceptable, until their expiry date provided that the accreditation was done in accordance **with the latest codes (i.e. those promulgated on 9 February 2007)**.

BBBEE Accreditation Certificates issued after the published date i.e. 23 March 2009, by a Verification Agency not approved by SANAS, will **NOT** be acceptable as from 23 March 2009.

12.1 Enterprises will be rated by such Accreditation Agencies based on the following:

(a) **Large Enterprises (i.e. annual turnover >R35 million):**

- Rating level based on all 7 (seven) elements of the BBBEE scorecard
- Enterprises to provide BBBEE certificate and detailed scorecard (to be renewed annually)

(b) **Qualifying Small Enterprises – QSE (i.e. annual turnover >R5 million but <R35 million):**

- Rating based on any 4 (four) of the elements of the BBBEE scorecard



- Enterprises to provide BBBEE certificate and detailed scorecard (to be renewed annually)
- (c) **Exempted Micro Enterprises – EME (i.e. annual turnover <R5m are exempted from being rated or verified):**
- Automatic BBBEE Level 4 rating, irrespective of race ownership, i.e. 100% BBBEE recognition
  - Black ownership >50% or Black Women ownership >30% automatically qualify as Level 3 BBBEE rating, i.e. 110% BBBEE recognition
  - EME's should provide documentary proof of annual turnover (i.e. audited financials) plus proof of Black ownership if Black ownership >50% or Black Women ownership >30% (to be renewed annually) from their Auditors / Accounting Officers

12.2 In addition to the above, Respondents who wish to enter into a Joint Venture (JV) or subcontract portions of the contract to BBBEE companies must state in their Tenders / Quotations the percentage of the total contract value which would 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-contractors, as well as a breakdown of the distribution of the aforementioned percentage allocation must also be furnished with the tender response to enable Transnet to evaluate / adjudicate on all tenders received on a fair basis.

12.3 ***Each Respondent is required to furnish proof of its BBBEE status (Certificate and Detailed Scorecard) as stipulated above to TRANSNET.***

**Turnover:** Indicate your company's most recent annual turnover:

R.....

- If annual turnover <R5m, please attach auditors / accounting officers letter confirming annual turnover and percentage black ownership as well as Black Women ownership
- If annual turnover >R5m please attach BBBEE certificate and detailed scorecard from an accredited rating agency.

12.4 The DTI has created an online **B-BBEE Registry** (<http://www.dti.gov.za>) in order to provide a central and standardized source of the B-BBEE status of all entities, and to facilitate the flow of this information amongst entities by providing a Unique Profile Number (UPN) per each listing. Existing and prospective suppliers are therefore urged to list their B-BBEE status on the DTI Registry. Hence, entities verified by DTI, will receive the following benefits:

- Their BBBEE status will be verified and confirmed by the DTI, before listing on the Registry
- Listing on the Registry will provide suppliers the option to market themselves on the DTI B-BBEE Opportunities Network. This is a search engine that is designed to help businesses find B-BBEE compliant



entities who match specific requirements in terms of the nature of services/goods provided, region, B-BBEE status or other search criteria.

Transnet supports this DTI initiative and will use the DTI Registry to verify prospective and existing suppliers' BBBEE credentials.

12.5 The respondent will provide Transnet with its DTI B-BBEE UNIQUE PROFILE NUMBER with all tender submissions.

<b>DTI BBBEE UNIQUE PROFILE NUMBER:</b> .....
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12.6 Failure to submit your BBBEE information in terms of 14.3 and/or 14.5 (above) will result in a score of zero being allocated for BBBEE evaluation.

**13 OCIO-ECONOMIC OBLIGATIONS FOR FOREIGN RESPONDENTS**

Foreign Respondents' socio-economic obligations under this procurement programme will fall under the associated Government initiative, namely, the Competitive Supplier Development Programme ("CSDP") as developed by the Department of Public Enterprises, details of which are appended hereto at Annexure A.

**14 COMMUNICATION**

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

A respondent may, however, BEFORE THE CLOSING DATE AND TIME, direct any enquiries relating to the RFQ to the Transnet employee as indicated in clause 2 above, and may also at any time after the closing date of the RFQ, communicate with the Secretary of the Transnet Acquisition Council, at telephone number 011 308 3528 / 3522 or fax no. 011 308 2637 on any matter relating to its RFQ response.

**15 RFQ SCHEDULE**

Respondents will be contacted as soon as practicable with a status update. At this time short-listed Respondents may be asked to meet with Transnet representatives at a location to be agreed.

**16 INSTRUCTIONS FOR COMPLETING THE RFQ**

- (i) Sign one set of documents (sign and date the bottom of each page). This set will serve as the legal and binding copy.
- (ii) Documents to be submitted to the address specified above.
- (iii) The following returnable documents must accompany all Quotations:
  - Respondent's latest audited financial statements;
  - Respondent's valid Tax Clearance Certificate.



## 17 COMPLIANCE

The successful Respondent (hereinafter referred to as the “**Supplier**”) shall be in full and complete compliance with any and all applicable State and Local Laws and Regulations.

## 18 ADDITIONAL NOTES:

- All returnable documents as indicated in the Quotation Form (Section 3) must be returned with the response
- Respondents are to note that Quotations in which firm prices are quoted for the duration of any resulting contract may receive precedence over prices which are subject to adjustment
- Changes by the Respondent to its submission will not be considered after the closing date
- The person or persons signing the Quotation must be legally authorised by the Respondent to do so (Refer Section 4). A list of those person(s) authorised to negotiate on your behalf (if not the authorised signatories) must also be submitted along with the Quotation together with their contact details.
- All prices must be quoted in South African Rands
- Transnet reserves the right to undertake post-tender negotiations with selected Respondents or any number of short-listed Respondents and may wish to visit the Respondent's place of work during this process.

**NB: Unless otherwise expressly stated, all Quotations furnished pursuant to this Request shall be deemed to be offers. Any exceptions to this statement must be clearly and specifically indicated. Transnet reserves the right to reject any or all offers.**

**FAILURE TO OBSERVE ANY OF THE AFOREMENTIONED REQUIREMENTS  
MAY RESULT IN A QOUTATION BEING REJECTED**

## 19 DISCLAIMERS

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

- modify the RFQ's Services and request Respondents to re-bid on any changes
- reject any Quotation which does not conform to instructions and specifications which are detailed herein
- disqualify Quotations submitted after the stated submission deadline
- not necessarily accept the lowest priced Quotation
- reject all Quotations, if it so decides
- award a contract in connection with this Quotation at any time after the RFQ's closing date
- award only a portion of the proposed Services which are reflected in the scope of this RFQ
- split the award of the contract between more than one Supplier



- make no award of a contract

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

## **20 LEGAL REVIEW**

Any Quotation submitted by a Respondent is subject to review and negotiation of the proposed contract by Transnet's Legal Counsel.



Respondents to complete this section:

NAME OF RESPONDENT .....
PHYSICAL ADDRESS .....
.....

Respondent's contact person:	Name.....
	Designation.....
	Telephone.....
	Cell Phone.....
	Facsimile.....
	Email.....
	Website.....

**Transnet urges its clients, suppliers and the general public  
to report any fraud or corruption  
on the part of Transnet's employees to  
TIP-OFFS ANONYMOUS : 0800 003 056**



## SECTION 2

RFQ NUMBER WR/BFX/50990

### PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION

#### **BACKGROUND, OVERVIEW AND SCOPE OF REQUIREMENTS**

##### 1. BACKGROUND

###### **Insurance Transnet Principal Control Insurance**

The minimum amount of cover for the third insurance stated in the

Insurance Table is > **R25,000.00 (Limited to R10,000,000.00. for any one event)**

##### **1.0 CONTRACTUAL OBLIGATIONS**

- 1.1 The Contractor shall not make use of any sub-Contractor to perform the works or parts thereof without prior permission from the Project Manager.
- 1.2 The Contractor shall ensure that a safety representative is at site at all times.
- 1.3 The Contractor shall comply with all applicable legislation and Transnet safety requirements adopted from time to time and instructed by the Project Manager / Supervisor. Such compliance shall be entirely at his own cost, and shall be deemed to have been allowed for in the rates and prices in the contract.
- 1.4 The Contractor shall, in particular, comply with the following Acts and Transnet Specifications:-
  - 1.4.1 The Compensation for Occupational Injuries and Diseases Act, No. 130 of 1993. The Contractor shall produce proof of his registration and good standing with the Compensation Commissioner in terms of the Act.
  - 1.4.2 The Occupational Health and Safety Act (Act 85 of 1993).
  - 1.4.3 The explosive Act No. 26 of 1956 (as amended). The Contractor shall, when applicable, furnish the Project Manager / Supervisor with copies of the permits authorising him or his employees, to establish an explosives magazine on or near the site and to undertake blasting operations in compliance with the Act.
  - 1.4.4 The Contractor shall comply with the current Transnet Specification E.4E, Safety Arrangements and Procedural Compliance with the Occupational Health and Safety Act, Act 85 of 1993 and



Regulations and shall before commencement with the execution of the contract, which shall include site establishment and delivery of plant, equipment or materials, submit to the Project Manager / Supervisor.

- 1.4.5 The Contractor shall comply with the current Specification for Works On, Over, Under or Adjacent to Railway Lines and near High Voltage Equipment – E7/1, if applicable, and shall take particular care of the safety of his employees on or in close proximity to a railway line during track occupations as well as under normal operational conditions.
- 1.5 The Contractor's Health and Safety Programme shall be subject to agreement by the Project Manager / Supervisor, who may, in consultation with the Contractor, order supplementary and/or additional safety arrangements and/or different safe working methods to ensure full compliance by the Contractor with his obligations as an employer in terms of the Act.
- 1.6 In addition to compliance with clause 1.4 hereof, the Contractor shall report all incidents in writing to the Project Manager / Supervisor. Any incident resulting in the death of or injury to any person on the works shall be reported within 24 hours of its occurrence and any other incident shall be reported within 48 hours of its occurrence.
- 1.7 The Contractor shall make necessary arrangements for sanitation, water and electricity at these relevant sites during the installation of the equipments.
- 1.8 A penalty charge of **R5,000.00** per day will be levied for late completion.
- 1.9 The Contractor shall supply a **site diary** (with triplicate pages). This book shall be used to record any unusual events during the period of the work. Any delays to the work shall also be recorded such as delays caused by poor weather conditions, delays caused by permits being cancelled etc. The appointed Project Manager or Supervisor must countersign such delays. Other delays such as non-availability of equipment from 3<sup>rd</sup> party suppliers must be communicated to the Project Manager or Supervisor in writing.
- 1.10 The Contractor shall supply a **site instruction book** (with triplicate pages). This book shall be used to record any instructions to the Contractor regarding problems encountered on site – for example the quality of work or the placement of equipment. This book shall be filled in by the Project Manager or Supervisor and must be countersigned by the Contractor.
- 1.11 Both books mentioned in 1.9 and 1.10 shall be the property of Transnet Freight Rail and shall be handed over to the Project Manager or Supervisor on the day of energising or handing over.
- 1.12 All processes or the manufacture and assembly of the product components must be subjected to a quality assurance system.
- 1.13 The Contractor will assume full responsibility for assuring that the products purchased meet the requirements of Transnet Freight Rail for function, performance, and reliability, including purchased products from 3<sup>rd</sup> part suppliers/Manufacturers.
- 1.14 The Contractor shall prove to Transnet Freight Rail that his equipment or those supplied from 3<sup>rd</sup> party suppliers/manufacturers confirms to Transnet freight rail specifications.
- 1.15 The Contractor will remain liable for contractual delivery dates irrespective of deficiencies discovered during workshop inspections.



**2. SCOPE OF REQUIREMENTS**

Design, supply, install, test and commission of 4.5MW rectifier, positive isolator, busbars and associated equipment at Bethlehem traction Substation under the control of The Depot Engineer, Bloemfontein

**3. GENERAL INFORMATION**

It is required that all Transnet operating divisions will be included in the scope of this Quotation.

The service provider(s) shall be fully responsible to Transnet for the acts and omissions of persons directly or indirectly employed by them.

The service provider(s) must provide the identified information requested and comply with the requirements stated in the RFQ.

**4. EXCHANGE AND REMITTANCE**

The attention of the Respondents is specially directed to clause 7 (*Exchange and Remittance*) of the General Tender Conditions Form CSS5. The Respondent is also to note that the particulars of the exchange rate on which the Respondent has based its tendered price(s), is/are to be stipulated hereunder only if Transnet is requested by the Respondent to effect payment overseas direct to the Respondent's principal/supplier.

(a)	ZAR1.00 (South African currency) being equal to ..... (foreign currency). .....% in relation to tendered price(s) (.....) to be remitted overseas by Transnet.
(b)	..... (Name of country to which payment is to be made)
(c)	<u>Beneficiary details</u> : Name (Account holder) ..... Bank (Name and branch code)..... Swift code ..... Country .....
(d)	..... (Applicable date of Exchange Rate used)

**5. NATIONAL RAILWAY SAFETY REGULATOR ACT**

In compliance with the **National Railway Safety Regulator Act, 16 of 2002**, the successful Respondent (the "Supplier") shall ensure that the Services to be supplied to Transnet, under the terms and conditions



of a contract between the parties, comply fully with the specifications as set forth in this RFQ, and shall thereby adhere to railway safety requirements and/or regulations. Permission for the engagement of a subcontractor by the Supplier, as applicable, both initially and during the course of a contract, shall be subject to a review of the capability of the proposed subcontractor to comply with the specified railway safety requirements and/or regulations. The Supplier and/or its subcontractor shall grant Transnet access, during the term of the contract, to review any safety-related activities, including the coordination of such activities across all parts of the organisation.

**Accepted:**

<b>YES</b>		<b>NO</b>	
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**6. SERVICE LEVELS**

- Experienced national account representative/s to work with Transnet’s sourcing/procurement department (no sales representatives are needed for individual department/locations). Additionally, there shall be a minimal number of people, fully informed and accountable for this agreement.
- Transnet will have quarterly reviews with the Supplier’s account representative on an ongoing basis.
- Transnet reserves the right to request that any member of the Supplier’s team involved on the Transnet account be replaced if deemed not to be adding value for Transnet.
- Supplier guarantees that it will achieve a 95% service level on the following measures. If the Supplier does not achieve this level as an average over each quarter, Transnet will receive a 1.5% rebate on quarterly fees payable in the next quarter:
  - On-time deliverables
- Supplier must provide a toll-free number or alternative number for customer service calls.
- Failure of the Supplier to comply with stated service level requirements will give Transnet the right to cancel the contract in whole, without penalty, giving 30 (thirty) days’ notice to the Supplier.

**Accepted:**

<b>YES</b>		<b>NO</b>	
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**7. CONTINUOUS IMPROVEMENT INITIATIVES AND VALUE ADD**

Respondents shall indicate whether they are committed to participate in the continuous improvement initiatives of Transnet to reduce the overall cost of transportation within South Africa during the duration of the contract.

**Accepted:**



<b>YES</b>	
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<b>NO</b>	
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If “yes”, please specify.

Respondents must briefly describe their commitment to the continuous improvement initiatives and give examples of specific areas and strategies where cost reduction initiatives can be introduced. Specific areas and proposed potential savings percentages should be included. Additional information can be appended to the Respondent’s Quotation if there is insufficient space available.

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**8. RISK**

Respondents must elaborate on the control measures put in place by their company, which mitigate the risk to Transnet, pertaining to potential non-performance by a Supplier in relation to -

(i) quality of the Service(s) provided:

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.....



(ii) continuity of provision of the Service(s) (refer clause 6.9 of Form US7)::

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(iii) compliance with the Occupational Health and Safety Act, 85 of 1993 (refer clause 8.1(f) of Form US7)

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(iv) compliance with the National Railway Safety Regulator Act, 16 of 2002 (refer clause 16 above)

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**9. REFERENCES**

Please indicate below the company names and contact details of existing customers whom Transnet may contact to seek third party evaluations of your current service levels:

Name of Company	Contact Person	Telephone number

**10. EVALUATION CRITERIA**

Transnet will utilise the following criteria (not necessarily in this order) in choosing a Supplier, if so required:



- Pricing (fees) - Whilst not the sole factor for consideration, competitive pricing will be critical in indicating how much you value Transnet's business
- Service level guarantees
- An explicit commitment to continuous improvement initiatives
- Compliance - Completeness of your responses and content of the Quotation will be considered
- Financial strength
- References
- Fixed price
- BBBEE status of company
- Country-wide network (national footprint)
- Additional value-added services



## **Contract Data**

## **Works Information**

### **2.0 Description of work**

#### **2.1 BUSBARS, NEGATIVE BAR AND FLEXIBLE CONNECTORS**

- 2.1.1 Transnet freight rail reserves the right to award the contract to Contractor with quickest delivery period due to the urgency of this substation.
- 2.1.2 Supply and install all Aluminium busbars (50x25mm<sup>2</sup>) from Main Transformer to wall bushings complete with flexible connectors, to rectifier (50x25mm<sup>2</sup>), to reactor coil (127x12.5mm<sup>2</sup>), to positive isolator (127x12.5mm<sup>2</sup>), to negative bar (127x12.5mm<sup>2</sup>).
- 2.1.3 Relocate the negative bar in the outdoor yard to the rectifier bay with its associated cables as per site meeting. All visible cables shall be covered with metal box.
- 2.1.4 Supply shunt 4000A/50mV.
- 2.1.5 Supply security for the duration of the contract.
- 2.1.6 All busbar connections shall be silver tinned and connection grease shall be used.
- 2.1.7 Nuts and bolts on busbar connections shall be stainless steel.

#### **2.2 SUPPLY AND INSTALLATION OF CABLES**

- 2.2.1 Contractor shall supply and install all the control and power cables in accordance with the specifications BBC 0198 version 1 and CEE 0023 of 1990.
- 2.2.2 The Contractor shall re-use all the control cables to connect AC disconnects to the new panels.
- 2.2.3 The Contractor shall divide the existing trench in order to accommodate both the HT and LT cables by making use of bricks laying.
- 2.2.4 The Contractor shall make provision for terminating the armoured cables both in the substation indoor building and outdoor yard.
- 2.2.5 The contractor shall supply all track breaker control cables and connect track breakers to the panel.



- 2.2.6 Contractor shall supply and connect cables for step-up transformer and reconnect it to the panel.
- 2.2.7 The Contractor shall supply joint kits and all necessary terminations.
- 2.2.8 Supply and install the auxiliary isolating switch control cable (50mm<sup>2</sup> x 4 core). The Contractor shall terminate and connect on the auxiliary transformer and inside the control panel.
- 2.2.9 The Contractor shall supply and connect the 95 mm<sup>2</sup> PVC insulated welding cable to interconnect all new and existing equipment to the DC earth leakage relay system.
- 2.2.10 The Contractor shall remove all unwanted cables and busbars in the outdoor yard near the main transformer. Where positive isolator and auxiliary isolating switch has been removed, substation wall should be repainted with matching existing colour.

### **2.3 MECHANICAL INTERLOCKING DEVICES AND CHECKER PLATES**

- 2.3.1 Supply and install an interlocking mechanism complete (similar to existing) of the key exchange type, which include the AC disconnects, positive isolator, auxiliary transformer short out links to the HT bay gate in the correct sequence in accordance with the specification BBB 5452 version 3.
- 2.3.2 Supply and install checker plates. Checker plates must be painted black.

### **2.4 DIRECT CURRENT EARTH RELAY CIRCUIT**

- 2.4.1 Supply and install the DC earth leakage relay. The DC earth leakage relay shall be mounted outside the control panel at a position pointed out by Transnet Freight Rail. The relay shall be enclosed in a polycarbonate box.
- 2.4.2 The Contractor shall connect all existing checker plates as well as existing equipment (all indoor steelwork) to the DC earth leakage system. The Contractor shall also supply any missing checker plate.
- 2.4.3 The Contractor shall replace the DC earth leakage arrangement (system) as per drawing CEE TBD 0007 and enclosed in 25 mm<sup>2</sup> PVC conduits against the walls. The crimping lugs of the interconnection cables shall be correspondingly marked with the busbar as shown on drawing CEE TBD 0007.
- 2.4.4 Only hexagon crimps will be accepted on all crimping lugs.
- 2.4.5 Resistance between the DC earth leakage busbar and the substation earthmat shall not be less than 25 Ohm.



## **2.5 POSITIVE ISOLATOR PANEL**

- 2.5.1 Supply and install 3 kV DC positive isolator panels in accordance with the specification BBB 4724 ver 4. The positive isolator shall be fitted with a 3 kV DC under voltage relay as per specification BBB 3005 version 1.
- 2.5.2 The entry position of the busbars into the panel shall be confirmed with Transnet Freight Rail before manufacturing of the panel. Contractor shall provide the required warning signs as per specification BBB 4724 ver 4 on the positive isolator panel.
- 2.5.3 Supply and install a busbar from the reactor coil to the positive isolator. The busbar entering the positive isolator shall be 100 mm X 10 mm thickness.
- 2.5.4 The new Positive Isolator shall be installed next to the new panels on the left side of the new Rectifier.

## **2.6 3KV DC RECTIFIER**

- 2.6.1 Supply and install 4,5 MW rectifier complete with the diode monitoring system and fan control in accordance with the specification BBB 0496 ver 12.
- 2.6.2 Supply Aluminium busbar (127x12.5mm<sup>2</sup>) from Rectifier to the negative busbar The negative copper busbar shall be painted black.

## **2.7 AC PCB CONTROL PANEL AND AC/DC DISTRIBUTION PANEL**

- 2.7.1 Remove the existing AC primary circuit breaker (PCB) and AC/DC distribution panels from site and transport them to Bloemfontein Infrastructure depot.
- 2.7.2 Supply and install AC PCB control panel and AC/DC distribution panels in accordance with the specification BBB 2721 version 10.
- 2.7.3 Supply and install 2 x Protection relays for main transformer, auxiliary supply, AC earth leakage protection.
- 2.7.4 The panel must be able to accommodate signalling transformer (step-up transformer, 400/6600 V).
- 2.7.5 The Contractor shall wire the tripping and lock out circuits in accordance with the drawings CEE TBK 0027 and CEE TBK 0028. The circuits shall be incorporated into the AC PCB control panel.
- 2.7.6 The Contractor shall wire all the track breaker cells inside the panel.



- 2.7.7 The panels shall cater for a 3 contactor changeover system to accommodate the supply from the isolating transformer as well as auxiliary LT supplies.
- 2.7.8 The Contractor shall rewire controls for the extractor fan and incorporate into the distribution panel.
- 2.7.9 Ensure room fan circuit is still working.
- 2.7.10 Transnet Freight Rail representative shall inspect all the panels on the Contractor's premises prior to delivery to site.
- 2.7.11 All direct current wiring shall be done in grey coloured wire.
- 2.7.12 Colour Red, White and Blue shall be used for AC circuits only. All alternating current wiring shall be colour coded using the standard colours red, white, blue and black for neutral.
- 2.7.13 Interior shall be done in gloss white and exterior shall be done in Eau- de- nil high gloss to SANS 1091 colour code no G22.
- 2.7.14 Panels shall be colour coated in accordance with SANS 1274.
- 2.7.15 Insulated lugs, of the crimp on type, shall be used to terminate wiring onto equipment, strip connectors and protection relays.
- 2.7.16 Screw on terminal lugs shall be used on all the protection relays.
- 2.7.17 All new and existing cables and wiring shall be clearly labelled by using an approved slide on wiring label system as described.
- 2.7.18 Where applicable, the Contractor will be responsible to connect and interconnect the control wiring and cabling of existing equipment to the new and old equipment.
- 2.7.19 The Contractor shall make provision for a connection strip in the AC/DC distribution panel and the primary circuit breaker control panel for remote tele-control operations.
- 2.7.20 The Contractor shall notify Transnet Freight Rail on completion of the panels in order to witness functional tests on the premises of the Contractor before delivery.
- 2.7.21 The Contractor shall incorporate all existing equipment functions into the schematic drawings as per specification CEE 0224 Of 2002.
- 2.7.22 A copper busbar system consisting of a busbar for each phase red, white and blue shall be used, in the AC/DC panel and concealed behind perspex with warning sign and voltage identification label.



- 2.7.23 A copper busbar system consisting of battery supply, holding coil volts and negative shall be used and covered with perspex with a warning sign and voltage labels.
- 2.7.24 The Contractor shall supply and install the auxiliary supply switch inside the AC/DC control panel.
- 2.7.25 Provision will be made in the primary circuit breaker control panel to install primary overload protection for the auxiliary supply.
- 2.7.26 All control panels shall be insulated from the substation floor.
- 2.7.27 The layout of the AC and DC equipment inside the control panels shall be done in such a way that the equipment is separated from each other.
- 2.7.28 Transnet Freight Rail shall inspect the layout of the equipment before wiring commences of the panels.
- 2.7.29 All equipment used in the primary circuit breaker control panel and the AC/DC distribution panel shall comply with the SANS 0142.
- 2.7.30 Contractor shall supply his/her own security for the duration of the contract.
- 2.7.31 Transnet Freight Rail Bloemfontein depot shall clean, repair and install the Auxiliary Transformer as per site meeting discussions including the fuses.

Supply cables and redo complete outdoor yard and indoor substation earthing according to Transnet specification.

## **2.8 SUPPLY AND INSTALL OUTDOOR EARTH, RELOCATION OF SURGE ARRESTERS**

- 2.8.1 Remove surge arresters from main transformer and install the surge arresters in accordance with Transnet's specifications BBB 0845 and BBB 0938 on a steel structure.
- 2.8.2 Connect surge arresters between each phase of the high voltage supply and the substation main earth in accordance with Transnet's specification BBB 3059 and drawing BBB 3620 version 3. The material used to connect the surge arresters and the earth spike shall be by means of copper clad steel rod.
- 2.8.3 Connect surge arresters to appropriate height between each phase of the high voltage supply and the substation main earth in accordance with Transnet's specification BBB 3059 and drawing BBB 3620 version 3. The material used to connect the surge arresters and the earth spike shall be by means of copper clad steel rod.
- 2.8.4 Design, supply and install support steel structures for the surge arresters. The manufacture of any steelwork shall not take place prior to the approval of the design drawings by Transnet. Transnet shall inspect the steelwork at the manufacturer's works prior to dispatch.
- 2.8.5 The top of the surge arresters and the bushings shall be on the same connection height.



### **3 STEELWORK**

- 3.1 The design, supply and installation of all steel structures for the support of equipment shall be the responsibility of the Contractor. This shall be in accordance with Transnet freight rail specification CEE.0183.2002.
- 3.2 The manufacture of any steelwork shall not take place prior to the approval of the design drawings by the Supervisor/ Electrical Officer.
- 3.3 Transnet Freight Rail shall inspect the steelwork at the manufacturers works prior to dispatch.
- 3.4 All fasteners (nuts & bolts) shall be secured using flat and spring washers where necessary.
- 3.5 All steelwork shall be galvanized in accordance with SANS 121 and, where required painted in accordance with specification CEE 045 of 2002/1.

### **4 INSTALLATION**

- 4.1 The Contractor shall be responsible for the transport to site, off-loading, handling, storage and security of all material required for the construction/execution of the works.
- 4.2 All fasteners on steelwork, components and electrical connections (nuts and bolts) shall be secured using flat as well as lock washers.
- 4.3 Contractor shall supply multi core cable and connect the tele-control. The substation shall not be switched on unless the tele-control is fully operational.

### **5 INTERCONNECTION OF EQUIPMENT**

- 5.1 High conductive silicon grease shall be liberally applied to all the connections.
- 5.2 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).

### **6. SITE TESTS**

- 6.1 The equipment shall be inspected /tested and approved by Transnet Freight Rail Quality Assurance at the Contractor's workshop prior to it being taken to site. Only once the approval has been granted can the equipment be taken to site for installation.
- 6.2 The Contractor shall be responsible for carrying out of on-site tests and commissioning of all equipment supplied and installed in terms of this specification and the contractual agreement.
- 6.3 Functional on-site tests shall be conducted on all items of equipment and circuitry to prove the proper functioning and installation thereof.



- 6.4 The Contractor shall submit a detailed list of on-site tests for the approval of the Project Manager or Supervisor.
- 6.5 The Contractor shall arrange for the Supervisor or his representative to be present to witness the on-site tests.
- 6.6 The on-site tests and subsequent commissioning **will not commence until ALL CONSTRUCTION** work has been completed. Construction staff, material and equipment shall be removed from site prior to the commencement of testing. Testing and commissioning of the power plants equipment will not be allowed to take place in a construction site environment.
- 6.7 The on-site tests shall include the following:
  - 6.7.1 Test for the functionality of all electrical circuitry.
  - 6.7.2 Trip tests on relays.
  - 6.7.3 Test on equipment as per manufacturer's instructions.
  - 6.7.4 Insulation tests.
- 6.8 At the completion of the on-site tests, the Project Manager or Supervisor or his representative shall either sign the tests sheets (supplied by the Contractor) as having witnessed the satisfactory completion thereof, or hand to the Contractor a list of defects requiring rectification.
- 6.9 Upon rectification of defects, the Contractor shall arrange for the Project Manager or Supervisor or his representative to certify satisfactory completion of on-site tests.
- 6.10 Acceptance by the Project Manager or Supervisor of satisfactory completion of on-site tests in no way relieves the Contractor of his obligation to rectify defects which may have been overlooked or become evident at a later stage.

## **7 COMMISSIONING OF EQUIPMENT**

- 7.1 Commissioning will only take place after all defects have been rectified to the satisfaction of the Project Manager or Supervisor.
- 7.2 On completion of commissioning, the Contractor will hand the equipment over to the Project Manager or Supervisor in terms of the relevant instruction.
- 7.3 The commissioning of protection equipment by Transnet Freight Rail will in no way absolve the Contractor from any of his responsibilities during the guarantee period.
- 7.4 It is the Contractor's responsibility to satisfy himself or herself that the commissioning of the protection equipment has been carried out in a satisfactory manner, and in no way compromises the proper operation of the equipment supplied in terms of the contract.
- 7.5 The Contractor shall be present during the testing and setting of the protection to rectify any faults found.



## **8 GUARANTEE AND DEFECTS**

- 8.1 The Contractor shall guarantee the satisfactory operation of the complete electrical installation supplied and erected by him and accept liability for maker's defects that may appear in design, materials and workmanship for a period of 12 months.
- 8.2 The Contractor shall be issued with a completion certificate with the list of all defects to be repaired within 14 working days after commissioning.
- 8.3 Any defects that may become apparent during the guarantee period shall be rectified to the satisfaction of Transnet Freight Rail, and to the account of the Contractor.
- 8.4 The Contractor shall undertake work on the rectification of any defects that may arise during the guarantee period within 7-days of him being notified by Transnet Freight Rail of such defects.
- 8.5 Should the Contractor fail to comply with the requirements stipulated above, Transnet Freight Rail shall be entitled to undertake the necessary repair work or effect replacement of defective apparatus or materials, the total cost of such repair or replacements, including the labour costs incurred in replacing defective material shall be deducted from the Contractors payment.
- 8.6 Any specific type of fault occurring three times within the guarantee period and which cannot be proven to be due to other faulty equipment not forming part of this contract e.g., faulty locomotive or overhead track equipment, etc., shall automatically be deemed an inherent defect. Such inherent defect shall be fully rectified to the satisfaction of the Project Manager or Supervisor and at the cost of the Contractor.
- 8.7 If urgent repairs have to be carried out by Transnet Freight Rail staff to maintain supply during the guarantee period, the Contractor shall inspect such repairs to ensure that the guarantee period is not affected and should they be covered by the guarantee, reimburse Transnet Freight Rail the cost of material and labour.
- 8.8 Any defects that may become apparent during the guarantee period shall be rectified to the satisfaction of Transnet Freight Rail, and to the account of the Contractor.
- 8.9 The guarantee and service period for these substations shall expire after a period of 12 months commencing on the date of completion of the contract or the date the substation is handed over to Transnet Freight Rail whichever is the latest.
- 8.10 The specified guarantee period shall only apply to the new equipment installed and from the time of energising the equipment and the acceptance thereof.
- 8.11 Any specific type of fault occurring three times within the guarantee period and which cannot be proven to be due to other faulty equipment not forming part of this contract shall automatically be deemed an inherent defect. Such inherent defect shall be fully rectified to the satisfaction of the Manager or Technical Officer and at the cost of the Contractor.
- 8.12 If urgent repairs have to be carried out by Transnet Freight Rail staff to maintain supply



during the guarantee period, the Contractor shall inspect such repairs to ensure that the guarantee period is not affected and should they be covered by the guarantee, reimburse Transnet Freight Rail the cost of material and labour.

8.13 The Contractor shall undertake work on the rectification of any defects that may arise during the guarantee period within 7-days of his being notified by Transnet Freight Rail of such defects.

8.14 Should the Contractor fail to comply with the requirements stipulated above, Transnet Freight Rail shall be entitled to undertake the necessary repair work or effect replacement of defective apparatus or materials, and Transnet freight rail shall reimburse from the retention money the total cost of such repair or replacements, including the labour costs incurred in replacing defective material

## **9 QUALITY AND INSPECTION**

9.1. Transnet Freight Rail shall inspect the equipment under contract on the premises of the Manufacturer or successful Contractor.

9.2. The Contractor shall notify Transnet Freight Rail 14 days in advance of such an inspection date.

9.3. The Contractor shall apply 14 days in advance for the date of energizing and ensure that all work is completed before any commissioning can take place.

9.4. The Contractor shall be responsible to issue a compliance certificate in terms of SANS 0142 for each site before energizing of the equipment shall take place.



## Contract Data

## Works Information

### 10. Specifications

#### 10.1. South African National Standards:

10.1.1	SANS 1091	National colour standard.
10.1.2	SANS 763	Hot dip galvanised zinc coating.
10.1.3	SANS 121	Hot Dip Galvanised Coating for Fabricated Iron or Steel Article.
10.1.4	SANS 8528	Reciprocating internal combustion engine driven alternating current generating set.
10.1.5	SANS 10142	Wiring Code.

#### 10.2 Transnet Freight Rail:

10.2.1	BBB 0496 version 12	3 kV rectifier for traction substations.
10.2.2	BBB 3620 version 4	3kV DC earthing arrangement – Traction Substation.
10.2.3	BBB 5452 version 3	Transnet freight rail requirements for installation of electrical equipment for 3 kV DC substations.
10.2.4	BBB 2721 version 10	AC Primary Circuit Breaker Control Panel and AC/DC Distribution Panel for 3kV DC Traction substation.
10.2.5	CEE-TBD-0007	Earthing arrangement for traction substations.
10.2.6	CEE TBK 0027	Control circuit diagrams – NO volt operation.
10.2.7	CEE TBK 0028	Trip, lockout and indication circuit diagram.
10.2.8	BBB 4724 version 4	Positive Isolator switch for 3 kV DC Traction substations.
10.2.9	BBB 3005 version 1	3 kV DC under voltage relay manufacturing specification.
10.2.10	BBC 0198 version 1	Specifications for the supply of cables.
10.2.11	CEE.0023.90	Specifications for installation of cables.
10.2.12	CEE.0045.2002/1	Painting of steel Components of Electrical Equipment.
10.2.13	CEE.0183.2002	Hot dip galvanising and painting of electrical equipment.



- 10.2.14 CEE.0224.2002 Drawings, catalogues, instruction manuals and spares list for electrical equipment supplied under contract

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

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

## 11 Constraints on how the *Contractor* Provides the Works

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

## 12 Requirements for the programme

- 12.1 Programme of work : To be submitted by successful Contractor  
12.2 CIDB rating : 2EPPE OR 3EP and above  
12.3 Format : Bar chart  
12.4 Information : How work is going to be executed and commissioned  
12.5 Submission : Not Applicable  
12.6 Site diary : Successful Contractor to supply in triplicates carbon copies  
12.7 Site instruction book : Successful Contractor to supply in triplicates carbon copies

## 13 Services and other things provided by the *Employer*

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



## SECTION 3

**RFQ NUMBER WR/BFX/50990**

### **PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND ASSOCIATED EQUIPMENT AT BETHLEHAM SUBSTATIONS**

#### **QUOTATION FORM**

I/We \_\_\_\_\_

*(name of company, close corporation or partnership)*

of (full address) \_\_\_\_\_

\_\_\_\_\_

carrying on business under style or title of (trading as)

\_\_\_\_\_

represented by \_\_\_\_\_

in my capacity as \_\_\_\_\_

being duly authorised thereto by a Resolution of the Board of Directors or Members or Certificate of Partners, as the case may be, dated \_\_\_\_\_ a certified copy of which is annexed hereto, hereby offer to supply the above-mentioned Services at the prices quoted in the schedule of Service Fees in accordance with the terms set forth in the accompanying letter(s) reference \_\_\_\_\_ and dated \_\_\_\_\_ (if any) and the documents listed in the accompanying schedule of RFQ documents.

I/We agree to be bound by those conditions in Transnet's:

- (i) Standard Terms and Conditions of Contract, Form No. US7 - Services;
- (ii) General Tender Conditions, Form CSS5 – Services; and
- (iii) any other standard or special conditions mentioned and/or embodied in the Request for Quotation form; and;-

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

\_\_\_\_\_  
Respondent's Signature

\_\_\_\_\_  
Date and Company Stamp



Should Transnet decide that a formal contract should be signed and so inform me/us in the facsimile or letter of acceptance, this Quotation (and, if any, its covering letter and any subsequent exchange of correspondence) together with Transnet's letter of acceptance/intent, shall constitute a binding contract between Transnet and me/us until the formal contract is signed.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fail to enter into a formal contract if called upon to do so, or fail to commence the provision of the Services within 4 (four) weeks, Transnet may, without prejudice to any other legal remedy which it may have, recover from me/us any expense to which it may have been put in calling for Quotations afresh and/or having to accept any less favourable Quotation.

I/We accept that any contract resulting from this offer will be for a period of .....only; and agree to a penalty clause to be negotiated with Transnet, which will allow Transnet to invoke a penalty (details to be negotiated) against us should the delivery of the Services be delayed due to non-performance by us.

The law of the Republic of South Africa shall govern the contract created by the acceptance of this RFQ. The *domicillium citandi et executandi* shall be a place in the Republic of South Africa to be specified by the Respondent hereunder, at which all legal documents may be served on the Respondent who shall agree to submit to the jurisdiction of the courts of the Republic of South Africa. Foreign Respondents shall, therefore, state hereunder, the name of their accredited agent in the Republic of South Africa who is empowered to sign any contract which may have to be entered into in the event of their Quotation being accepted and to act on their behalf in all matters relating to the contract.

Respondent to indicate *domicillium citandi et executandi* hereunder:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**NOTIFICATION OF AWARD OF RFQ**

As soon as possible after approval to award the contract/s, the successful Respondent (the Supplier) will be informed of the acceptance of its Quotation. Unsuccessful Respondents will be advised in writing of the name of the successful Supplier and the reason as to why their Quotations have been unsuccessful, for example, in the category of price, delivery period, quality, BBBEE status or for any other reason.

**VALIDITY PERIOD**

Transnet desires a validity period of 3 (three) months (from closing date) against this RFQ. It should be noted that Respondents may offer an earlier validity period, but that their Quotations may be disregarded for that reason. Should Respondents be unable to comply with this validity period, an alternative validity period must be stated hereunder:

This RFQ is valid until \_\_\_\_\_ (State alternative validity period/date).

**TAX (VAT) REGISTRATION NUMBER**

The Respondent must state hereunder the tax registration number which is applicable to Value-Added Tax:

\_\_\_\_\_



**TAX CLEARANCE CERTIFICATE**

Respondents are required to forward a valid copy of their company’s Tax Clearance Certificate with their Quotation.  
Indicate tax clearance certificate expiry date: \_\_\_\_\_

**BANKING DETAILS**

BANK: \_\_\_\_\_  
BRANCH NAME / CODE: \_\_\_\_\_  
ACCOUNT HOLDER: \_\_\_\_\_  
ACCOUNT NUMBER: \_\_\_\_\_

**NAME(S) AND ADDRESS / ADDRESSES OF DIRECTOR(S) OR MEMBER(S)**

The Respondent must disclose hereunder the full name(s) and address(s) of the director(s) or members of the company or close corporation (C.C.) on whose behalf the RFQ is submitted.

- (i) Registration number of company / C.C. ....
- (ii) Registered name of company / C.C. ....
- (iii) Full name(s) of director/member(s)      Address/Addresses      ID Number/s

Full name(s) of director/member(s)	Address/Addresses	ID Number/s
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....

**REGISTRATION CERTIFICATE**

Respondents must submit a certified copy of their company’s Registration Certificate with their Quotation.

**NAME AND ADDRESS OF ACCREDITED AGENT**

Provide hereunder, if applicable, details of the accredited agent in the Republic of South Africa appointed as local representative by foreign Respondents and whose address shall be regarded as the Respondent’s domicilium citandi et executandi in terms of the Standard Terms and Conditions of Contract, US7 – Services.



Name	.....
Address	..... .....

**CONFIDENTIALITY**

All information related to a subsequent contract, both during and after completion, is to be treated with strict confidence. Should the need however arise to divulge any information gleaned from provision of the Services, which is either directly or indirectly related to Transnet’s business, written approval to divulge such information will have to be obtained from Transnet.

**DISCLOSURE OF PRICES TENDERED**

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

<b>YES</b>		<b>NO</b>	
------------	--	-----------	--

**DECLARATION**

Respondents to declare hereunder whether any family and/or direct relationship exists between any of the owners / members / directors / partners / shareholders (unlisted companies) of the responding company and any employee or board member of the Transnet Group:

<b>YES</b>		<b>NO</b>	
------------	--	-----------	--

If YES, please indicate below:

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

ADDRESS

---

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Indicate nature of relationship (if any):

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*(Failure to furnish complete and accurate information in this regard may lead to the disqualification of a response and may preclude a Respondent from future business with Transnet)*



**PRICE REVIEW**

Transnet will be benchmarking this price offering(s) against the lowest price received as per the benchmarking exercise. If the Respondent's price(s) is/are found to be higher than the benchmarked price(s), then the Respondent shall match or better such price(s) within 30 days - failing which the Contract may be terminated at Transnet's discretion or the particular item(s) or service(s) purchased outside the contract.

**RETURNABLE DOCUMENTS**

Respondents are required to submit the following returnable documents with their responses (see tick):

<b>Notice to Bidders – Section 1</b>	√
<b>Background overview – Section 2</b>	√
<b>Quotation Form – Section 3</b>	√
<b>Resolution of Board of Directors (Respondent's Representative) - Section 4</b>	√
<b>Certificate of Acquaintance with RFQ Documents – Section 5</b>	√
<b>Service Fees and Costs - Section 6</b>	√
<b>General Tender Conditions - Form CSS5 – Section 7</b>	√
<b>Conditions of Contract - Form US7 – Section 8</b>	√
<b>Audited Financials for previous year</b>	√
<b>Valid Tax Clearance Certificate</b>	√
<b>VAT Registration Certificate</b>	√
<b>BBBEE Accreditation Certificate</b>	√
<b>Certificate of attendance of RFQ Briefing – Section 9</b>	√
<b>Non-Disclosure Agreement – Section 10</b>	√

**NOTE: Sections 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10, as indicated in the footer of each page, must be signed and dated by the Respondent.**



**By signing the RFQ documents, the Respondent is deemed to acknowledge that he / she has made himself / herself thoroughly familiar with all the conditions governing this RFQ, including those contained in any printed form stated to form part hereof and Transnet Limited will recognise no claim for relief based on an allegation that the Respondent overlooked any such condition or failed properly to take it into account for the purpose of calculating tendered prices or otherwise.**

SIGNED at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 2010.

SIGNATURE OF WITNESSES:

ADDRESS OF WITNESSES:

1	_____	1	_____
	_____		_____
2	_____	2	_____
	_____		_____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE:

\_\_\_\_\_

NAME

\_\_\_\_\_

DESIGNATION

\_\_\_\_\_



## SECTION 4

RFQ NUMBER WR/BFX/50990

### PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION

#### SIGNING POWER : RESOLUTION OF BOARD OF DIRECTORS

NAME OF COMPANY: \_\_\_\_\_

It was resolved at a meeting of the Board of Directors held on \_\_\_\_\_ that

FULL NAME(S)	CAPACITY	SIGNATURE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

in his/her capacity as indicated above is/are hereby authorised to enter into, sign, execute and complete any documents relating to Tenders, Quotations and/or Contracts for the supply of Goods.

FULL NAME \_\_\_\_\_

\_\_\_\_\_

SIGNATURE CHAIRMAN

FULL NAME \_\_\_\_\_

\_\_\_\_\_

SIGNATURE SECRETARY



## SECTION 5

RFQ NUMBER WR/BFX/50990

### PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION

#### CERTIFICATE OF ACQUAINTANCE WITH RFQ DOCUMENTS

NAME OF COMPANY: \_\_\_\_\_

I/We \_\_\_\_\_ do

hereby certify that I/we acquainted myself/ourselves with all the documentation comprising this RFQ and all conditions contained therein, as laid down by Transnet Limited for the carrying out of the proposed supply/service/works for which I/we submitted my/our response.

I/We furthermore agree that Transnet Limited shall recognise no claim from me/us for relief based on an allegation that I/we overlooked any RFQ/contract condition or failed to take it into account for the purpose of calculating my/our offered prices or otherwise.

SIGNED at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 2010

WITNESS : \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE OF RESPONDENT



## **SECTION 6**

**RFQ NUMBER WR/BFX/50990**

**PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND  
ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION**

### **SERVICE FEES AND COSTS**



**Contract Data**

**Price List**

Item	Description	Unit	Qty	Rate	Price
<b>A</b>	<b>Bethlehem 3 kV Substation</b>				
1	Dismantle, remove and transport all old equipment from site to Bloemfontein depot.	sum	1		
2	Supply Aluminium busbars (50x25mm <sup>2</sup> ) from Main Transformer secondary bushings to wall bushings with flexible connectors.	sum	1		
3	Supply all Aluminium busbars (50x25mm <sup>2</sup> ) from wall bushings to rectifier	sum	1		
4	Supply Aluminium busbar (127x12.5mm <sup>2</sup> ) from Rectifier to Reactor Coil	sum	1		
5	Supply Aluminium busbar (127x12.5mm <sup>2</sup> ) from Rectifier to the negative busbar	sum	1		
6	Supply Aluminium busbars (127x12.5mm <sup>2</sup> ) from Reactor Coil to Positive Isolator	sum	1		
7	Supply 500mm <sup>2</sup> positive cables from positive isolator to busbar chamber complete with joint and termination kits.	sum	1		
8	Supply and connect all control cables from the substation outdoor yard to the substation indoor building including Auxiliary, track breakers and tele-control cables.	sum	1		
9	Supply complete set of mechanical interlocking keys.	sum	1		
10	Supply AC primary circuit breaker control panel.	ea	1		
11	Supply AC/DC distribution panel	ea	1		
12	Connect Wave Filter equipment to the panel	sum	1		
13	Supply DC earth leakage relay with its polycarbonate box and mount outside the panel	ea	1		
14	Supply FP-2004 relays	ea	2		
15	Supply checker plates	sum	1		
17	Supply shunt 4000/50mV	ea	1		
18	Supply, install and relocate the negative bar in the outdoor yard to the rectifier bay with its associated cables complete with shunt	sum	1		
19	Supply 4,5 MW rectifier complete with diode	ea	1		

Respondent's Signature

Date and Company Stamp



	monitoring and fan control				
20	Modify Rectifier Bay Mesh to accommodate Positive Isolator	sum	1		
21	Supply Positive Isolator complete with fibre optic under voltage relay.	ea	1		
22	Supply HT cable linking wave filter, positive isolator and reactor coil	sum	1		
23	Supply cables for the DC earth leakage system and redo indoor earthing.	sum	1		
24	Supply and install surge counters	ea	3		
25	Supply support steel structure for Secondary Surge Arrestors	sum	1		
26	Supply material and cast foundation for Secondary Surge Arrestors	sum	1		
27	Supply and install AC earth leakage CT	ea	1		
28	Re-do outdoor earth complete and relocate Surge currently to their independent Steel Structure	sum	1		
29	Installation, Testing and Pre-commissioning	sum	1		
30	P's & G's	sum	1		
31	Security	sum	1		
<b>A</b>	<b>Total Price for Bethlehem =</b>		<b>R</b>		
<b>B</b>	<b>Retention ( 10 % of A)=</b>		<b>R</b>		
<b>C</b>	<b>Total Price for( A+B) =</b>		<b>R</b>		
<b>D</b>	<b>VAT (14% of C) =</b>		<b>R</b>		
<b>E</b>	<b>Gross Total (C+D) =</b>		<b>R</b>		

Respondent's Signature

Date and Company Stamp



## **SECTION 7**

**RFQ NUMBER WR/BFX/50990**

**PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND  
ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION**

### **GENERAL TENDER CONDITIONS - SERVICES**

**Refer Form CSS5 attached hereto.**



## SECTION 8

**RFQ NUMBER WR/BFX/50990**

**PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION**

### **STANDARD TERMS AND CONDITIONS OF CONTRACT**

### **FOR THE PROVISION OF SERVICES TO TRANSNET**

**Refer Form US7 attached hereto.**

**Respondents should note the obligations as set out in Clause 19 of the General Tender Conditions (Section 7) which reads as follows:**

*“The Supplier shall adhere to the Standard Terms and Conditions of Contract as set out in Form US7 - Services), a copy of which is attached hereto. Should the Respondent find any conditions unacceptable, it should indicate which conditions are unacceptable and offer an alternative. Please note that any alternative offered shall be compared with acceptance of the Form US7 conditions or alternatives offered by other Respondents.”*



## SECTION 9

RFQ NUMBER WR/BFX/50990

### PROVISION OF DESIGN, SUPPLY, INSTALL TEST & COMMISSION 4.5MW RECTIFIER AND ASSOCIATED EQUIPMENT AT BETHLEHEM SUBSTATION

#### CERTIFICATE OF ATTENDANCE OF SITE MEETING / BRIEFING SESSION

It is hereby certified that -

1. ....
2. ....

Representative(s) of .....  
(name of company)

attended the site meeting / briefing session in respect of the proposed Services to be rendered in terms of this RFQ on .....2010.

.....  
TRANSNET'S REPRESENTATIVE

.....  
RESPONDENT'S REPRESENTATIVE

DATE.....

DATE.....