

REQUEST FOR QUOTATIONS

Transnet Freight Rail a Division of Transnet SOC Ltd. invites all interested parties to respond to a request for quotation (RFQ) as indicated below. All tenders should be submitted on the appropriate tender forms and should be deposited in the **Tender Box** before 12h00 on the closing date of the Tender.

If delivered by hand, the RFQ submissions must be addressed to **The Chairman of the Acquisition Council, Ground Floor Queens Warehouse (Reception Area) 237 Mahatma Gandhi Road Point Durban.**

Tender documents may be obtained Free Of Charge on and after **Friday 17 October 2014** and **must be collected before 11h00 on Tuesday 3 November 2014** at Transnet Freight Rail, Supply Chain Services, Queen's Warehouse, 237 Mahatma Gandhi Road, Durban during the office hours 09h00 to 15h00 during weekdays.

PLEASE NOTE THAT THERE WILL BE A COMPULSARY CLARIFICATION MEETING ON MONDAY 27 OCTOBER AT 12H00 IN THE SAVANNAH BOARD ROOM, 2ND FLOOR, QUEENS WAREHOUSE, 237 MAHATMA GANDHI ROAD POINT

(NB: No tenders will be issued after this deadline)

RFQ documents may be viewed from the website by clicking on the RFQ number that is highlighted in red on the website: (<http://www.transnetfreight-rail-tfr.net/Supplier/Pages/Tenders.aspx>)

RFQ NUMBER: RME DBN 065/2014

DESCRIPTION: ELECTRICAL INSTALLATION OF FIRE FOAM PUMPS

REQUIRED AT: BERTH 8 ISLAND VIEW

CLOSING DATE: 4 NOVEMBER 2014 AT 12H00.

For enquiries regarding the collection of the RFQ please contact:

Name: Anne Mongie

Tel : 031 361 1750

Email: anne.mongie@transnet.net

Transnet Freight Rail urges Clients & Suppliers to report fraud/corruption at Transnet to TIPOFFS ANONYMOUS: 0800 003 056

PART C3: SCOPE OF WORK

Document reference	Title	No of page
C3.1	This cover page	1
	<i>Employer's Works Information</i>	10
Total number of pages		11

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C3.1 EMPLOYER'S WORKS INFORMATION

CONTENTS

PART C3: SCOPE OF WORK	1
SECTION 1	3
1 Description Of The Works	3
1.1 Executive overview.....	3
1.2 Employer's objectives.....	3
1.3 Interpretation and terminology.....	3
2 Plant and Materials Standards and Workmanship	4
2.1 Electrical & Mechanical Engineering Works.....	4
SECTION 2	5
4 Management and start up	5
4.1 Management meetings.....	5
4.2 Safety risk management.....	5
4.3 Quality assurance requirements.....	8
4.4 Programming constraints.....	8
4.5 Insurance Provided by the Employer.....	8
4.6 Provision of bonds and guarantees.....	8
4.7 Records of Defined Cost, payments & assessments of compensation events kept by Contractor.....	9
5 Procurement	9
5.1 The Contractor's Invoices.....	9
5.2 Subcontracting.....	9
5.3 Plant and Materials.....	10

SECTION 1

1. Description of works

1.1 Executive overview

The *Contractor* is to perform the following works:

1.1.1 Pump Stations

The contractor is required to perform the following tasks with regard to Pump Stations.

- Complete audits of existing installation, panels, electrical components, fibre network, PLC/SCADA hardware and software
- Complete wiring termination in the Motor Control Centre (MCC)
- Complete instrument winding terminations
- Cable numbering and labelling.
- Disconnecting and removal of existing Modicon Momentum PLC
- Supply and Installation of Modicon M340 PLC
- Loading of PLC program
- Supply and installation of 55kW Telemecanique Altivar soft starter
- Loop tests
- Motor tests
- PLC testing and process simulation.

1.1.2 Fire Monitor Stations

The contractor is required to perform the following tasks with regards to Fire Monitor Stations.

- Cable numbering and labelling
- Field cable testing (for optic and copper)
- Programming of Zelio relays

1.1.3 Testing and Commissioning

- Dry commissioning
- Cold commissioning
- Test the installation and supply a certificate of compliance

1.1.4 Technical Documentation and Training

- Supply technical documentation
- Carry out training for operational and technical staff

1.2 Employer's objectives

The *Employer's* objective is to see CFI Firefighting System working efficiently and continuously.

1.3 Interpretation and terminology

The following abbreviations are used in this Works Information:

Abbreviation	Meaning given to the abbreviation
BBBEE	Broad Based Black Economic Empowerment
CM	Construction Manager
HSSP	Health and Safety Surveillance Plan
QA	Quality Assurance
SANS	South African National Standards
SHE	Safety, Health and Environment
SHEC	Safety, Health and Environment Co-ordinator
SIP	Site Induction Programme
SMP	Safety Management Plan

2. Plant and Materials Standards and Workmanship

2.1 Electrical & mechanical engineering works

2.1.1 Where SANS 10142 and/or SANS 10190 specifications are used within the Works Information, then where the term "Equipment" (or the like) is used with the meaning of installation and items left behind in the works, then please read this term as "Plant" for ECC defined term compliance.

SECTION 2

3. Management and start up

3.1 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Project Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events (Risk Reduction Meeting)	Weekly on day to advised	[state details]	Project Manager Supervisor , Contractor and appropriate key persons
Overall contract progress and feedback	Monthly on last working day of the month	TNPA Boardroom at Ocean Terminal Building, T Jetty.	Employer, Contractor, Supervisor, and Project Manager (and appropriate delegates)

3.2 Safety risk management

3.2.1 The Contractor shall be solely responsible for carrying out the work under the Contract having the highest regard for the health and safety of its employees, the Principal's employees and persons at or in the vicinity of the site, the works, temporary work, materials, the property of third parties and any purpose relating to the Contractor carrying out its obligations under this Contract. The Contractor will be required to sign the Section 37(2) Agreement, in terms of the Occupational Health and Safety Act, to commit them to this requirement. (Refer to section 37.2 of the Act).

The Contractor shall initiate and maintain health and safety precautions and programs to conform to all applicable Health and Safety laws or other requirements, including requirements of any applicable government instrumentality. The Contractor shall, at its own cost, implement and maintain safeguards for the protection of workers and the public and shall manage all reasonably foreseeable hazards created by performance of the work. Furthermore, the Contractor shall:

- Provide all facilities and take all measures necessary for maintaining proper personal hygiene, ensuring health and safety of persons and property
- Avoid unnecessary interference with the passage of people, vehicles and property at or near the Site
- Prevent nuisance and excessive noises and unreasonable disturbances in performing the Services
- Be responsible for the adequacy, stability and safety of all of its site operations, of all its methods of design, construction work and be responsible for all of the work, irrespective of any acceptance, recommendation or consent by the Agent, its Contractors, employers, or any Government Body
- Traffic management will be needed to and be communicated to the users of the entrance before work commences. The traffic management will form part of the Safety Plan.

Cost for the above shall be borne by the Contractor.

The Contractor shall comply and shall be responsible for ensuring that all of its subcontractors comply with the relevant statutory regulations for safety and the Agent/Principal Contractor's Health and Safety requirements as defined in document HAS-STD-0001.

3.2.2 The Contractor complies with the following:

The Contractor shall provide an overview of its safety manuals, policies and procedures to the Agent/Principal and shall ensure that its personnel, at all times, strictly observe and comply with the requirements set out therein as well as safety procedures requested by the Contractor from

time to time applying to the area of operations. The Contractor shall forward to the Agent/Principal Contractor any updates or revisions to its safety manuals, policies or procedures as soon as practicable following revision or update.

The Agent/Principal Contractor may require the Contractor from time to time to supplement its safety manual, policies and procedures with guidelines and/or operating standards provided to the Contractor by the Agent/Principal Contractor. The Contractor shall comply with such requests where the request is consistent with the requirements of the Contract. The Contractor shall give prompt written notice to the Principal of any objection of the Contractor to the requested supplement, including the reasons for objection. The Agent/Principal Contractor's rights under this Clause are not intended, and shall not be construed, to relieve the Contractor from any obligations to ensure compliance with all provisions of this Contract.

3.2.3 The Contractor ensures that its subcontractors comply with the requirements of the SMP.

3.2.4 The Contractor performs the works having due regard to the HSSP.

3.2.5 The Health and Safety Plan shall include the following as a minimum:

- Managements' commitment to safety and safety leadership
- Identify the participants in the development of the plan
- Clearly defined responsibilities for various actions
- Personal Safety Action Plans for key staff
- Clearly defined start and completion timeframes
- Scheduled implementation effectiveness reviews
- Detail training and assessment requirements, competencies relating to hazard identification and management, safety and health competencies and mobile machinery and equipment operational competencies
- Compliance with the statutory legislation
- Communication of the Health and Safety management plan and requirements to personnel
- Assessment of Sub-Contractors Health and Safety Systems including requirements and assurances for safety plans
- Personal protective equipment control
- Record keeping including archiving details

- Incident reporting and investigation
- Consequence for employees and Management not copying to the requirements.

Development of a Health and Safety Policy that aligns and reinforces the Health and Safety targets and objectives of the project. The Health and Safety management plan must address:

- How the Health and Safety Policy will be communicated to all employees and Sub-Contractors
- How and where the Health and Safety Policy will be available and displayed on site
- How management intends to measure performance against the intentions stated in the policy
- Training and assessments

3.2.6 The Contractor complies with the requirements of the SSRC with respect to his own activities and others on the Site and Working Areas.

3.2.7 The Contractor makes the SMP available to all employees and subcontractors in the language of his contract and other local languages as required.

3.2.8 The Contractor participates in HAZOP and Constructability Reviews at intervals upon the instruction and direction of the Project Manager.

3.2.9 The Contractor completes a Risk Assessment prior to carrying out any operation on the Site and/or working areas to the approval of Project Manager and TRE's Project manager.

3.2.10 The line of communication of the various personnel acting on behalf of the Project Manager who communicate directly with the Contractor and his key persons with respect to the SMP are contained within Annexure HAS-STD-0001.

3.2.11 The roles and responsibilities of the various personnel acting on behalf of the Project Manager with respect to the SMP and Health and Safety issues are as stated in the paragraphs following:

3.3 Quality assurance requirements

3.3.1 The Contractor shall have, maintain and demonstrate its use to the Project Manager (and/or the Supervisor) to satisfy the requirements of paragraphs 7.4, 7.5, 3.2.1 and 3.2.8 as appropriate) the documented Quality Management System to be used in the performance of the works. The Contractor's Quality Management System shall conform to International Standard ISO 9001 (or an equivalent standard acceptable to the Project Manager).

3.7 Records of Defined Cost, payments & assessments of compensation events kept by Contractor

3.7.1 The Contractor keeps the following records available for the Project Manager to inspect:

- Records of design employees location of work (if appropriate);

3.7.2 The Contractor keeps the following records available for the Project Manager to inspect:

- Records of design employees location of work (if appropriate);
- Records of Equipment used and people employed outside the Working Areas (if applicable).

4. Procurement

5.1 Contractors Invoice

4.1.1 When the Project Manager certifies payment (see ECC Clause 51.1) following an assessment date, the Contractor complies with the Employer's procedure for invoice submission.

4.1.2 The invoice must correspond to the Project Manager's assessment of the amount due to the Contractor as stated in the payment certificate.

4.1.3 The invoice states the following:

- Invoice addressed to Transnet SOC Ltd;
- Transnet SOC Limited's VAT No: 4720103177;
- Invoice number;
- The Contractor's VAT Number; and
- The Contract number TBA
- The invoice contains the supporting detail

4.1.4 The invoice is presented either by post or by hand delivery.

4.1.5 Invoices submitted by post are addressed to:

Transnet Freight Rail

P.O Box 38163

Point

4069

For the attention of The Contract Administrator, Transnet Freight Rail

4.1.6 Invoices submitted by hand are presented to:

Transnet Freight Rail

237 Mahatma Gandhi

Point

Durban, 4001

For the attention of The Contract Administrator, Transnet Freight Rail

4.1.7 The invoice is presented as an original.

4.2 Subcontracting

4.2.1 Project Manager's approval is required prior to the appointment of any Sub-Contractors

4.2.2 The *Contractor* uses one of the following specialists and suppliers as his Subcontractors:

4.2.3 Subcontract documentation, and assessment of subcontract tenders

4.2.4 Where the *Contractor* employs a Subcontractor who constructs or installs part of the *works* or who supplies Plant and Materials for incorporation into the *works* which involves a Subcontractor operating on the Site and/or Working Areas, then the *Contractor* ensures that any such Subcontractor complies with the CEMP and SES (described under paragraph 2.4 of the *Works Information*) as appropriate and that the subcontract documentation places back-to-back obligations on the Subcontractor which reflect the *Contractor's* obligations under the CEMP and SES all within the *Contractor's* Quality Management System as per paragraph 2.5 of the *Works Information*.

4.2.5 Where the *Contractor* employs a Subcontractor who constructs or installs part of the *works* or who supplies Plant and Materials for incorporation into the *works* which involves a Subcontractor operating on the Site and/or Working Areas, then the *Contractor* ensures that any such Subcontractor complies with the PIRPMP (described under paragraph 4.1.1 of the *Works Information*) as appropriate and that the subcontract documentation places back-to-back obligations on the Subcontractor which reflect the *Contractor's* obligations under the PIRPMP, all within the *Contractor's* Quality Management System as per paragraph 2.5 of the *Works Information*.

4.2.6 The *Contractor* uses an NEC3 contract with respect to the following elements of the *works*:

4.2.7 Where under the CEMP as described under paragraph 6.4 of the *Works Information*, the *Contractor* is required to remove an animal, reptile or bird from the Site and/or Working Areas, the *Contractor* engages a Subcontractor who is a specialist and qualified for the removal of such animal, reptile or bird (to include the removal of rare, endemic or endangered species). The *Contractor's* attention is drawn to ECC Clauses 26.2 & 26.3.

PART 4: SITE INFORMATION

1. Description of the Site and its surroundings

1.1. General description

The site is Berth 8, Island View in the Port of Durban.

Prospective *contractors* shall attend the site inspection and acquaint themselves with the nature of the *works*, the condition under which the work is to be performed, and the means of access to site, any limitations or other authorities and in general will all matters that may influence or affect the *contractor*

1.2. Existing buildings, structures, and plant & machinery on the Site

Prospective *contractors* shall attend the site inspection and acquaint themselves with the existing gantry signals, nature of the *works*, the condition under which the work is to be performed, and the means of access to site, any limitations or other authorities and in general will all matters that may influence or affect the *contractor*

1.3. Subsoil information

The *Contractor* shall liaise with the *Project Manager* in this regard before commencing with work

1.4. Hidden services

It is the responsibility of the *Contractor* to detect and protect the existing services. The *Contractor* shall liaise with the *Project Manager* in this regard before commencing with work.

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