



Transnet SOC Limited
Transnet RME

REQUEST FOR QUOTATION

TRANSNET FREIGHT RAIL - RME
TFR RFQ BOARD
PROCUREMENT DEPARTMENT
BELLVILLE, CAPE TOWN

Registration Number: 1990/000900/06
Vat Number : 4720103177

Attention:

Telephone Number :
Fax Number :
Vendor Number :500000

Quotation Deadline Date : 03.10.2013
Quotation Deadline Time : 16:00

REQUEST for QUOTATION
Transnet RME
RFQ Number / Date
6000175139 / 19.09.2013
Contact Person / Telephone
Noloyiso Alam / 021 940 1886
Return to VAX Number/EMAIL
0218100000 / TCPtendersCapeTown@Transnet.net

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
100010		Manufacture, supply	1	Ac	07.10.2013			

Manufacture, supply and deliver of galvanised columns, beams, special brackets and modifications, inclusive with all pre-drilled holes, spacer, fixing and connector plates and all bolts, nuts & washers.
All of the above to be done as per the scope of works, Bill of quantities, specifications and plans attached on an "as and when required bases" during a period of 4 weeks.
inclusive is all delivery notes and galvanising material certificates.
first delivery 14 days after acceptance of Purchase Order as per measure sheet provided. Subsequent deliveries as per measures done after Purchase Order accepted.

REQUESTOR AND DELIVERY ADDRESS:

Bert Laubscher - TFR (RME)
Opposite bay6
Voortrekker Road

Transnet SOC Limited
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 TRANSNET FREIGHT RAIL - RME
 TFR RFQ BOARD
 PROCUREMENT DEPARTMENT
 BELLVILLE, CAPE TOWN
 7530

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SALTRIVER
 CAPE TOWN
 TEL: 0214492860
 CELL: 083 852 0711

If you are unable to quote for this enquiry, please submit a NO QUOTE, with a short reason, if possible, for not being able to quote.

Otherwise we look forward to receive your quote by the date and time stated.

The item covers the following services:

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0218100000 / TCPtendersCapeTown@Transnet.net

Delivery Address

TFR RME Cape Town
 De Gatt Complex, Behind Propne
 Bellville South, Cape Tow
 7530

This RFQ is subject to the following conditions:

1. Price/s : The price/s quoted in SA currency and is excluding of V.A.T
2. Delivery : The price/s quoted should include delivery cost to the delivery address stated on the RFQ
3. Returnables : A valid tax clearance certificate and BBBEE certificate from a SANAS accredited verification agency attached to quotation for all quotes above R30 000.
Please note that only the official Transnet RFQ will be accepted and all other correspondence to be attached to the original
4. Safety : To confirm to Transnet Capital Projects Health & Safety plan and specification; HAS-std-0001, copy available on request.
5. Confirmation: To confirm your participation in this tender process please sign and return this document as immediate effect prior to the quotation deadline.
6. Negotiations: The Employer may elect to negotiate the final terms of the contract/order with the preferred tenderer in accordance with Clauses F.2.17 and F.3.13 of the CIDB Standard Conditions of Tender. A copy of which is available upon request.

 Signature

 Date

10342256 - RFS

STEELWORKS FOR THE WATER RETICULATION UPGRADE AT
TRANSNET RAIL ENGINEERING DEPOT AT SALT RIVER, CAPE TOWN
PROJECT SPECIFICATIONS AND BILL OF QUANTITY

PARTICULAR SPECIFICATIONS

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PREVIEW COPY ONLY

PS1 SCOPE OF WORK

This particular specification covers the steel works for the upgrading of the water reticulation at the Transnet Rail Engineering Depot at Salt River, Cape Town and includes the following:

The onsite measurements, preparation of shop drawings and Test/Material/Galvanizing Certificates as required, supply, manufacturing, galvanizing and delivering of all steel works to the precise position inside the TRE Depot at Salt River (inclusive in the Bill of Quantity rates per tonnage) for the following steelwork items on an "as and when required" basis:

- Pipe support beams and columns, including special ones not on details provided
- Manufacturing of support brackets, including special ones not on details provided
- IPE Beams and Pipe Brackets as per Drawings, Specifications and Special Bracket in use on site.
- Manufacturing and galvanizing of all steelwork,
- Erection Bolts, Nuts, Washers and Clips, complete and inclusive in the column, beam tonnage and wall, pipe bracket in each rate.

And any work arising out of or incidental to the above, or required of the Contractor for the proper completion of the works in accordance with the true meaning and intent of the contract document.

PS2 INTERPRETATIONS

PS2.1 Supporting Specifications

In so far as they can be applied, and where they are not inconsistent with the terms of this Specification, the latest amendment of the relevant parts of SANS 1200 shall be regarded as being embodied in this Specification. The following list of Standard Specifications, not necessarily comprehensive, is referred to in this part of the Specifications:

- SANS 2001-CS1: Construction works (Structural Steelwork)
- SANS 1921-3: Construction and management requirements for works contracts (Structural Steelwork)
- SANS 1200: Standardized specification for Civil Engineering construction
- SANS 121 (ISO 1461): Hot dip galvanizing
- SANS 1431: Weld able structural steel
- SANS 10094: High-strength friction grip bolts
- SANS 1700: Fasteners, Part 1 to Part 19
- SANS 1123: Pipe flanges
- SANS 1529: Water meters for cold potable water, all Parts
- SANS 664: Cast Iron Gate valves for waterworks
- SANS 1056-2: Ball valves Part 2: Heavy duty valves (not fire-safe)

All works on, under or adjacent to railway lines and near high voltage equipment shall be performed according to the Transnet's Specification E7/1 (July 1998)

PS2.2 Abbreviations and Definitions

The abbreviations and definitions as described in the relevant Standard Specifications shall also be applicable to this Specification

PS3 MATERIALS

PS3.1 Structural Steel

All structural steel shall be new and grade S355JR to EN10025.

PS3.2 Bolts and Nuts

All structural steel fasteners shall be provided new in hot-dip galvanized finish. Mild steel bolts shall be grade 4.8 and high tensile bolts shall be grade 8.8 SU to SANS 1700. Where specified, the latter are used in friction grip mode and have to be torqued as follows:

Bolt Diameter	Torque (KNm)
M16	244
M20	476
M24	833

PS3.3 Corrosion Protection of Structural Steelwork

PS3.3.1 Galvanized Steelwork

All steelwork is to be heavy duty hot dip galvanized to SANS 121 (ISO 1461). The coating thickness to be 25% greater than the standard given in table 2 in accordance with SABS specific permit conditions 1336/2494.

PS3.3.2 Galvanized Bolts

All bolts, nuts and washers are to be hot dip galvanized to SANS 121 (ISO 1461). Nuts with oversize threads are to be used to compensate for the galvanizing on the threads.

PS4 EQUIPMENT

PS4.1 Suitable Equipment

The contractor shall ensure that only plant and equipment suitable for working in the confined limits of the site of works is used.

PS4.2 Structural Steelwork

Some of the structures have certain large features such as the 12m spanning bridges over the existing rails and roads, sometimes next to existing pipe supports. The top levels of some of the structures are up to 6.6m above ground level. This may call for specialist lifting devices, temporary support and bracing

equipment in order to maintain stability without overstraining any component. The base plate levels for the support columns are on pedestals approximately 300mm above ground level.

Note that many of the elements such as the support beams bridging roads and rails may be excessively large and may require the need for transport and erection logistics.

PS5. CONSTRUCTION

PS5.1 Structural Drawings and Shop Details

Transnet Capital Project's engineering office will be responsible for the Engineering drawings, which will show details of the connections. No shop detail drawings will be provided to the Contractor and he must make allowance for these and price this item in the schedule of quantities.

PS5.2 As-built Drawings

The Contractor shall have a set of drawings on site on which all approved deviations from and changes to the design are marked up for record. At the end of the contract these marked up drawings shall be handed to the Engineer for completion of the as-built drawings.

PS5.3 Pipe Brackets

Pipe brackets shall be manufactured and supplied as per the already in use on site samples which supersedes the drawings details. Additional pipe brackets shall also be provided at the sides and ends of valves, tees and bends and for specials pipe support as needed.

PS5.4 Operating and Maintenance Manual

On completion of the works at the commissioning and hand-over stage, the Contractor shall supply three (3) copies of an operation and maintenance manual. The manual shall be subject to the approval of the Engineer, in English, easy to read, well indexed, neatly presented and bound between hard plastic covers. The information provided shall be specifically applicable to all aspects of the pipes, valves and supporting structures installed under this contract. Information relating to any existing potable water supply system incorporated into the system shall also be included where required for the operation and maintenance of the complete depot potable water supply system. Separate indexed sections shall be included to cover the various parts and equipment as well as copies of layout and any shop drawings.

Where applicable, the following information shall be provided:

- Full details of size, model, serial number, design duty, performance curves, supplier, technical information with regard to the component equipment and spare parts assurance.
- Details of maintenance schedules, adjustments, and list of spare parts.
- Full technical information covering assembly and disassembly instructions
- All relevant guarantee/warranty certificates.

PS6. TOLERANCES

Tolerances shall be determined on the basis as stated in the relevant clauses of the applicable sections of SANS 1200, relevant drawings and manufacturer's specification as applicable. The Contractor shall ensure that tolerances are complied with.

PS6.1 Permissible Deviations

The permissible deviation shall be to degree of Accuracy II.

PS6.2 Shop Quality Control of Newly Fabricated Steelwork

The Contractor shall advise the Project Manager as soon as the fabrication of new steelwork is in hand so that he may inspect and examine the materials and workmanship during fabrication and before galvanizing. In the shop, protective coatings shall be applied only to those parts of steelwork that have been approved in writing by the Project Manager.

PS6.3 Site Quality Control

Should any unforeseen obstruction arise which impedes the accurate erection of steelwork then the situation must be referred to the Project Manager to resolve the problem. A fully operational quality control system or an ISO 9000 accredited listing shall be a recommendation when evaluating tenders for adjudication. Tenderers shall include a brief statement of the status of their quality control system with their submission.

PS7. TESTING

B7.1 Test Certificates

If required by the Project Manager the Contractor shall produce evidence to show that both his welding procedures and welders have passed all the relevant tests required in terms of BS5135 and SANS 044 Parts III and IV.

PS8 STRUCTURAL DRAWINGS

DRAWING NUMBER	DRAWING DESCRIPTION
1532647-5-000-C-DE-0020-10-01	Pipe Support Arrangement

Samples of fixing plates, spacer plates, nuts, bolts and washers can be viewed at RME's Site Office at TRE Depot, 19 Voortrekker Road, Salt River opposite Bay 6. These smaller items are inclusive in the tonnage rate as stipulated in the Bill of Quantity below. Contact Person is Bert Laubscher on mobile number 083 8520 711.

A measurement sheet shall be provided on acceptance of the Purchase Order with up to 14 days of delivery completion. Subsequent measures will be done and delivered completely inside the 4 weeks period.

PS9 BILL OF QUANTITY						
Item Ref	SABS/Colito	Description	Unit	Qty	Nett Rate	Nett Cost
1		Steelworks for the Water Reticulation Upgrade Scope of Work As setout in the Projects Specifications (Page 1 to 5) and Bill of Quantity below (Page 6).				
2	SANS 1200	STRUCTURAL STEEL SUPPORTS				
2.05.01		Supply:				
2.05.01.01	H 8.3.1.1	Preparation of shop detail drawings, Testing Certificates, all contractual documentation and on site measurements to be done on an "as and when required basis". (Included below)	Ton	11.0	NIL	NIL
2.05.02	H 8.3.1.2	Supply and fabrication of steelwork:				
2.05.02.01		All Pipe Support beams with end plates, spacer & fixing plates and bolts, nuts and washers.	Ton	9.0		
2.05.02.02		All Columns with base plates and top fixing plates when needed including such plates bolts, nuts and washers.	Ton	1.0		
2.05.03	HA 8.3.1	Special Brackets, Braces and Modifications to be done.				
2.05.03.01		Newly manufactured as per on site design.	Ton	0.5		
2.05.03.02		To existing design and/or material on site.	Ton	0.5		
2.05.05.01	H 8.3.2.1	Transportation of steel to site (Included above)	Ton	11.0	NIL	NIL
Nett Total (Excluding VAT) = R						

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