



**Transnet SOC Limited**  
**Transnet RME**

**REQUEST FOR QUOTATION**

BOARD LIST TFR RME  
 TRANSNET FREIGHT RAIL - RME  
 PROCUREMENT DEPARTMENT  
 2000

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

**Attention:**

Telephone Number :  
 Fax Number :  
 Vendor Number :2004815

**Quotation Deadline Date : 21.10.2014**  
**Quotation Deadline Time : 16H00**

**REQUEST for QUOTATION**

Transnet RME

**RFQ Number / Date**

6000209837 / 15.10.2014

**Contact Person / Telephone**

Anne Mongie / 031 361 1759

**Return to FAX Number/EMAIL**

031800000 / TCPtendersDurban@Transnet.net

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00010		DETONATOR, SIGNALLING R	1,000	ea	17.11.2014			

DETONATOR, SIGNALLING RAILROAD,(PROMAT 41/3492)

FOR MORE INFORMATION PLEASE CONTACT TMOBZKA 0837791651  
 DELIVERY : 130 EEL RD BAYHEAD DURBAN

QUOTES MUST BE SENT TO : TCPtendersDurban@transnet.net  
 CLOSING DATE : 21 OCTOBER 2014 AT 16H00.  
 KINDLY ATTACH COPIES OF BEEF AND TAX CLEARANCE CERTIFICATES  
 ALL PROCUREMENT RELATED QUERIES MUST BE DIRECTED TO :  
 ANNE MONGIE : 031 361 1759  
 E-MAIL : anne.mongie@transnet.net



**Transnet SOC Limited**  
**Transnet RME**  
 BOARD LIST TFR RME  
 TRANSNET FREIGHT RAIL - RME  
 PROCUREMENT DEPARTMENT  
 2000  
 YOUR VAT NUMBER WITH US: NOT

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 Transnet RME  
**RFQ Number / Date**  
 6000209837 / 13.10.2014  
**Contact Person / Telephone**  
 Anne Mongie / 031 361 1759  
**Return to FAX Number/EMAIL**  
 0318100001 / TCPtendersDurban@Transnet.net

**Delivery Address**  
 TFR RME Durban  
 100 Eel Road  
 Bayhead, Durban  
 4001

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 \_\_\_\_\_

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SOUTH AFRICAN RAILWAYS  
CCE 6/1 (1980)

SPECIFICATION FOR DETONATORS

1. CASING

The outer casing shall be of the best quality mild steel tinned plate approximately 0,4 mm thick. The edge shall be folded underneath to form a strong, sealed joint.

2. SIZE

The size of the detonators measured externally over the casing shall be 50 to 55 mm diameter by 10 to 11 mm deep.

3. PERCUSSION CAPS AND ANVILS

Each detonator shall have at least 4 percussion caps which shall be fitted to anvils made of tinned malleable iron sufficiently soft not to indent the rail.

4. EXPLOSIVE

Each detonator shall be charged with 7,2 g to 8,45 g of gunpowder. All gunpowder shall pass a mesh sieve opening of 0,84 mm .

5. FIXING

5.1 A lead binding strip, 10 mm wide and 1 mm thick shall be fixed to the underside of each detonator and shall extend at least 60 mm from each side of the detonator. It shall be of such quality that a detonator can be fixed and removed at least 10 times if not detonated.

5.2 The gap between the underside of a detonator and the rail surface shall not exceed 1 mm .



6. PAINING AND MARKING

- 6.1 Each detonator shall be clearly stamped on the domed casing, in letters 5 mm high, with the manufacturer's name or initials and the month and year of manufacture (in figures).
- 6.2 All detonators shall be painted bright yellow.

7. PACKING

- 7.1 Detonators shall be packed in cylindrical containers of tinplate each containing 10 detonators and a shock absorbing packing and possessing well fitting lids. The shock absorbing material shall be an approved grade of 20 mm thick polystyrene foam. An approved danger sign shall be applied to each lid.

- 7.2 Tins shall be sealed with adhesive tape. Larger containers for tins shall display contents, number of detonators and date of manufacture and shall be clearly marked on each surface with the approved danger sign.

- 7.3 Alternative packing methods will be considered.

8. TEST SAMPLE

At least 100 detonators shall be forwarded to the Chief Civil Engineer's materials laboratory when tendering. The sample will be tested in accordance with clause 9 hereof and acceptance of the tender is subject to the test results.

9. PHYSICAL TESTS

Physical tests shall be conducted as set out herein.

9.1 Water tightness

- 9.1.1 The mass, to the nearest 0,0001 g, of each detonator shall be determined,

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9.1.2 The detonators shall then be immersed in water and subjected to a vacuum of not less than 600 mm mercury for 5 min. Thereafter, normal pressure shall be reinstated for 5 min. The process shall be repeated once more. The detonators shall then be thoroughly blow-dried and the mass of each shall be determined again. No detonator shall increase in mass by more than 0,001 g. On completion of the test for water tightness, the detonators will be divided and tested as indicated.

## 9.2 Rail vehicle test

At least 20 detonators shall be placed on a rail and a rail vehicle with an axle load not less than 8,8 kN shall be driven over the detonators at not less than 8 km/h. All detonators must explode.

## 9.3 Sensitivity

9.3.1 Thirty detonators shall be used.

9.3.2 A mass of 1 kg falling free from a height of 100 mm shall not explode any detonator fixed to a rail.

9.3.3 A mass of 1 kg falling free from a height of 500 mm shall explode any detonator fixed to a rail.

## 9.4 Audibility

Exploding detonators shall be clearly heard by persons with normal hearing above the ambient noise level of locomotives.

## 9.5 Deliveries

The Administration reserves the right to sample and test any consignment at any time without prior warning for the duration of the contract and, if unsatisfactory, to reject the consignment.

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NOTA VIR LEER

W(F)234/42 (K504)

~~1983~~ -07- 27

Die spesifikasie as sulks bly onveranderd. Dit word egter voorgestel dat die onderstaande ingesluit word as deel van die magasyn tendervoorwaardes;—

'n Tenderaar moet besonderhede voorsien van sy interne gehaltebestuurstelsel vir die aangebode produk. Alhoewel dit nie verpligtend is nie word aanbeveel dat in so verre dit sinvol is, die aanbevelings van kode SABS 0157 benut word.

A tenderer shall submit details of his internal quality management system for the product offered. Although it is not mandatory it is recommended that in as far as it is practicable the recommendations of code SABS 0157 be followed.

**PREVIEW COPY ONLY**

A. Robbaw  
SMB

1983-07-27

Playon.

Murray R 1412

Please ensure that this is included in future tenders

M.R.