

**SECTION 3**

**RFP WR/BFX50842**

**SUPPLY OF BALLAST STONE NORTHERN CAPE  
FOR A PERIOD OF 1 YEAR**

**PROPOSAL 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 Goods at the prices quoted in the schedule of prices 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 RFP documents.

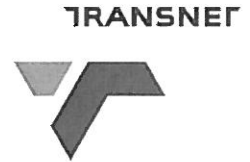
I/We agree to be bound by those conditions in Transnet's:

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

I/We accept that unless Transnet should otherwise decide and so inform me/us in the facsimile or letter of acceptance, this Proposal (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 Proposal (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 Proposal, I/we fail to enter into a formal contract if called upon to do so, or fail to commence the supply of Goods 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 Proposals afresh and/or having to accept any less favourable Proposal.

I/We accept that any contract resulting from this offer will be for a period of 2 years 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 Goods 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 RFP. 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 Proposal 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 RFP**

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

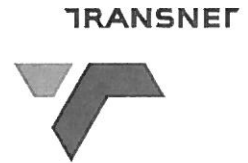
**VALIDITY PERIOD**

Transnet desires a validity period of 3 (three) months (from closing date) against this RFP. It should be noted that Respondents may offer an earlier validity period, but that their Proposals 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 RFP is valid until \_\_\_\_\_ (State alternative validity period/date).

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

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



**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 Proposal.

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 RFP 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
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....

PREVIEW COPY ONLY

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

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



**CERTIFICATE OF COMPLIANCE**

**Respondents must submit a certified copy of Certificate of Compliance ( Quality Test )**

**REGISTRATION CERTIFICATE**

Respondents must submit a certified copy of their company's Registration Certificate with their Proposal.

**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 - Goods.

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 Goods, 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:

YES		NO	
-----	--	----	--

**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:

YES		NO	
-----	--	----	--

If YES, please indicate below:

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

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



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

ADDRESS

---

---

---

Indicate nature of relationship (if any):

---

---

*(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**

LOCAL ACQUISITION COUNCIL  
TRANSNET FREIGHT RAIL SUPPLY CHAIN SERVICES  
GROUND FLOOR  
TRANSNET PARK  
MODDERDAM ROAD  
IBELLVILLE  
CAPE TOWN

PREVIEW COPY ONLY

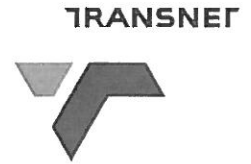
Transnet will be benchmarking this price offering(s) against the lowest price received as per the benchmarking exercise. If the Respondent's price(s) is/are found to be higher than the benchmarked price(s), then the Respondent shall match or better such price(s) within 30 days - failing which the Contract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

**Price Adjustment**

If any price adjustment, and should Transnet and the Supplier fail to reach an agreement on price either party shall be entitled to terminate this agreement after giving 30 (thirty) days written notice to the other.

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

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



**RETURNABLE DOCUMENTS**

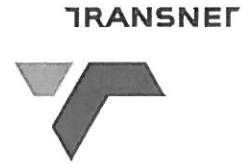
Respondents are required to submit the following returnable documents with their responses (see tick):

Notice to Bidders – Section 1	√
Background overview – Section 2	√
Proposal Form – Section 3	√
Resolution of Board of Directors (Respondent’s Representative) – Section 4	√
Certificate of Acquaintance with RFP Documents – Section 5	√
Pricing & Delivery Schedule – Section 6	√
General Tender Conditions, Form CSS5 – Section 8	√
Conditions of Contract, Form US7 – Section 9	√
Audited Financials for previous year	√
Valid Tax Clearance Certificate	√
VAT Registration Certificate	√
BBBEE Accreditation Certificate	√
Specifications and Drawings – Section 10	√
Non-Disclosure Agreement – Section 11	√
Certificate of compliance	
Code of Conduct	

NOTE: Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,11 and Annexure A, as indicated in the footer of each page, must be signed and dated by the Respondent.

\_\_\_\_\_  
Respondent’s Signature

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



By signing the RFP documents, the Respondent is deemed to acknowledge that he / she has made himself / herself thoroughly familiar with all the conditions governing this RFP, 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    Witness name: \_\_\_\_\_  
       Signature: \_\_\_\_\_  
       \_\_\_\_\_  
       \_\_\_\_\_

2    Witness name: \_\_\_\_\_  
       Signature: \_\_\_\_\_  
       \_\_\_\_\_

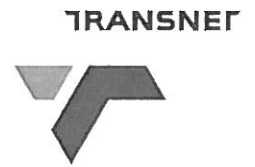
1    Address: \_\_\_\_\_  
       \_\_\_\_\_  
       \_\_\_\_\_  
       \_\_\_\_\_

2    Address: \_\_\_\_\_  
       \_\_\_\_\_  
       \_\_\_\_\_

PRIEVIEW COPY ONLY

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

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



SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE:

ADDRESS

NAME : \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**PREVIEW COPY ONLY**

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

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





**SECTION 4**

**RFP NUMBER WR/BFX/50842**

**SUPPLY OF BALLAST STONE NORTHERN CAPE  
FOR A PERIOD OF 1 YEAR**

**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, Proposals and/or Contracts for the supply of Goods.

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

\_\_\_\_\_

SIGNATURE CHAIRMAN

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

\_\_\_\_\_

SIGNATURE SECRETARY

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

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



**SECTION 5**

**RFP NUMBER WR/BFX50842**

**SUPPLY OF BALLAST STONE NORTHERN CAPE  
FOR A PERIOD OF 1 YEAR**

**CERTIFICATE OF ACQUAINTANCE WITH RFP DOCUMENTS**

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

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

hereby certify that I/we acquainted myself/ourselves with all the documentation comprising this RFP 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 RFP/contract condition or failed to take it into account for the purpose of calculating my/our offered prices or otherwise.

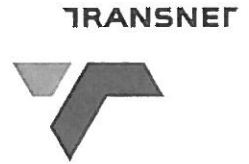
SIGNED at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 2010

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

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

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

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



## SECTION 6

RFP NUMBER WR/BFX50842

### SUPPLY OF BALLAST STONE NORTHERN CAPE FOR A PERIOD OF 1 YEAR

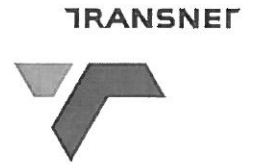
#### PRICING & DELIVERY SCHEDULE

Estimated Quantity	Material Number	Description	PRICE PER CUBIC METRE		UOI
			EX Works Loaded into Rail Trucks	EX Works By Road	
13000 M3	53/910137	Washing of Ballast	R_____M3	R_____M3	M3
5000 M3	53/932862	Ballast Stone for Ordinary Lines (N1,N2,N3&Yards) loaded into Rail Wagons 63 mm nominal Aperture Specification No: S406 (1998)	R_____M3  Ex Siding: City:	R_____M3	M3
8000 M3	53/932997	Ballast Stone for heavy axle lines (S1) loaded into Rail Wagons 73mm nominal Aperture Specification No: S406 (1998)	R_____M3  Ex Siding: City:	R_____M3	M3
Transport				Transport Cost R_____per km Ex City:	KM

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

30

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

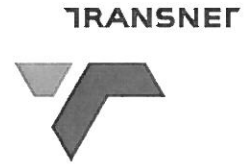


Ballast Type / Item Number	Quantity M3	Required at
53932862	5172 M3	ALEX
		BEACONSFIELD
		BEACONSFIELD CENTRAL
		DE AAR
		HEUNINGNESKLOOF
		HOTAZEL
		HOUTKRAAL
		KAMFERSDAM
		KRAANKUIL
		MECFARLANE
		ORANJERIVIER
		POSTMASBURG
		RIVERTON
		VEERTIEN STROME
WARRENTON		
WINDSORTON ROAD		
53932997	8000 M3	FIELDSVIEW
		DE AAR-NOUPOORT
		KOOPMANSFONTEIN -LIME ACRES
		ORANJARIVIER-DE AAR
		POSMASBURG-LOHATLA

PREVIEW COPY ONLY

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

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



## SECTION 7

RFP NUMBER WR/BFX50842

### SUPPLY OF BALLAST STONE NORTHERN CAPE FOR A PERIOD OF 1 YEAR

#### SPECIAL CONDITIONS

##### **Estimated Quantities**

The quantities as reflected on the RFQ are estimated quantities only and is given to prospective respondents as a guideline of what Transnet anticipated to use during a one year period .Transnet will not be bound in any way to purchase these quantities.

The prices quoted are to be exclusive of VAT but must include packaging and delivery charges direct to various delivery points in Bloemfontein.

##### **Ordering Quantities**

Transnet may request small quantities of low value of a particular item at any one time . Should you enforced minimum ordering quantities for any of these items , Transnet reserves the right to procure these items from a supplier who is prepared to sell the required quantities . Should the supplier charge more than the cost of your minimum ordering quantity , only then will Transnet procure the minimum ordering quantity

##### **Certification**

Suppliers who have not had their ballast certified / approved by TFR (Technology) must arrange with TFR (Technology) to collect samples and have the ballast certified. No uncertified / unapproved ballast will be considered

Supplier will be obligated to submit quarterly certification of ballast compliance

---

Respondent's Signature

32

---

Date and Company Stamp



**RFP NUMBER WR/BFX50842**  
**SUPPLY OF BALLAST STONE NORTHERN CAPE**  
**FOR A PERIOD OF 1 YEAR**

**Price Basis**

1. The Respondent(s) must state hereunder whether the prices quoted is/are firm for the currency of any resulting Contract

 YES NO

2. If no for what period are you prepared to hold the prices firm .....

3. Respondents are to note that RFPs in which firm prices are quoted for the duration of any resulting contract or Purchase order will receive precedence over prices which are subject to adjustments

PREVIEW COPY ONLY

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

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



**SECTION 8**

**RFP NUMBER WR/BFX50842**

**SUPPLY OF BALLAST STONE NORTHERN CAPE  
FOR A PERIOD OF 1 YEAR**

**GENERAL TENDER CONDITIONS - GOODS**

**Refer Form CSS5 attached hereto**

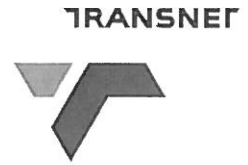
**PREVIEW COPY ONLY**

---

Respondent's Signature

---

Date and Company Stamp



## SECTION 9

RFP NUMBER WR/BFX50842

SUPPLY BALLAST STONE NORTHERN CAPE  
FOR A PERIOD OF 1 YEAR

**STANDARD TERMS AND CONDITIONS OF CONTRACT**  
**FOR THE SUPPLY OF GOODS TO TRANSNET**

Refer Form US7 attached hereto.

**Respondents should note the obligations as set out in  
Clause 24 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 – Goods, 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, except penalties for late deliveries, the exclusion of which may disqualify the RFP, save where indicated otherwise by Transnet."*

---

Respondent's Signature

35

---

Date and Company Stamp





**SECTION 10**

**RFP NUMBER WR/BFX50842**

**SUPPLY OF BALLAST STONE NORTHERN CAPE  
FOR A PERIOD OF 1 YEAR**

**SPECIFICATIONS AND DRAWINGS**

**SEE ATTACHEMENT**

**PREVIEW COPY ONLY**

---

Respondent's Signature

---

Date and Company Stamp

# **SPOORNET**

**S406 (1998)**

## **SPECIFICATION FOR THE SUPPLY OF STONE**

### **CONTENTS**

1. GENERAL

2. CONCRETE STONE

3. BALLAST STONE

APPENDIX A TEST FOR SOUNDNESS OF AGGREGATE (SODIUM  
SULPHATE METHOD)

APPENDIX B DURABILITY TEST FOR BALLAST STONE

APPENDIX C MILL ABRASION TEST FOR BALLAST STONE

1. GENERAL

- 1.1 Stone for road pavement layers, concrete and ballast shall comply with SABS 1083 (latest revision). In addition, concrete and ballast stone shall comply with the requirements specified hereinafter. Acceptance of the stone shall also depend on a full petrographic analysis to identify any microfissuring, weaknesses and/or the presence of undesirable minerals that could lead to early degradation.

## 2. CONCRETE STONE

- 2.1 In the soundness test described in Appendix A, the loss in mass shall not exceed 5% after 10 cycles of the tests.
- 2.2 The Los Angeles abrasion value, determined in accordance with ASTM C 131 - 89 grading B, shall not exceed 30% for concrete subject to abrasion and 35% for any other concrete.
- 2.3 The relative density shall not be less than 2.5 or more than 3.1.

## 3. BALLAST STONE

- 3.1 In the soundness test described in *Appendix A*, the loss in mass shall not exceed 5% after 20 cycles of the test.
- 3.2 No doleritic stone shall be found to be broken when conducting the durability test described in *Appendix B*.
- 3.3 The Los Angeles abrasion value determined in accordance with ASTM C 131 - 89 grading B, shall not exceed 22%.
- 3.4 The plasticity index on the fines developed from the Los Angeles abrasion test shall be less than 6.
- 3.5 Flakiness index, measured in accordance with SABS 1083 (latest revision) shall not exceed 30%.
- 3.6 Voids measured in accordance with SABS 1083 (latest revision) shall not be less than 40%.
- 3.7 The relative density shall not be less than 2.5.

3.8 Grading shall comply with the following:  
**For ordinary lines ( N1, N2& N3 )**

Nominal aperture size of sieve mm	% by mass passing
63.0	100
53.0	90-100
37.5	40-70
26.5	10-30
19.0	0-5
13.2	0-1

**For heavy axle lines ( S1, )**

Nominal aperture size of sieve mm	% by mass passing
73.0	100
63.0	90-100
53.0	40-70
37.5	10-30
26.5	0-5
19.0	0-1
13.2	0

3.9 The Mill Abrasion value, determined according to test procedure described in *Appendix C*, shall not exceed 7%.

## APPENDIX A

### TEST FOR SOUNDNESS OF STONE (SODIUM SULPHATE METHOD)

#### A1. Test Solution

Prepare a saturated solution of anhydrous  $\text{Na}_2\text{SO}_4$  or crystalline  $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$  in distilled or demineralised water between  $33^\circ\text{C}$  and  $35^\circ\text{C}$ . Use sufficient of the salt to give excess crystals after thorough stirring. Cool to between  $22^\circ\text{C}$  and  $24^\circ\text{C}$  and keep at this temperature for at least 16 h. Stir thoroughly before use.

#### A2. Preparation of test specimen

From a representative sample of stone take a random specimen of at least 500 gram passing a 19 mm and retained on a 13.2 mm sieve. Wash the specimen to remove all adhering material. Dry at  $105^\circ\text{C}$  in a well ventilated oven and determine the mass after cooling. Continue drying until the decrease in mass after each of 2 successive drying periods of 4 h does not exceed 0.1% of the total mass. Let this mass be M1.

#### A3. Procedure

A3.1 Place the specimen in a porcelain dish and cover fully with test solution between  $20^\circ\text{C}$  and  $25^\circ\text{C}$  for 7 h. Decant the solution taking care that no stone is lost.

A3.2 Dry the specimen for 15 h at  $105^\circ\text{C}$ . Allow the specimen to cool for 2 h. This completes one cycle of the soundness test.

A3.3 Repeat the cycle described in A3.1 and A3.2 as often as specified. After every fifth cycle, wash the specimen on a 1.70 mm sieve with hot water until no crystalline sodium sulphate is visible and continue the test with material retained on a 1.70 mm sieve.

A3.4 After completion of the final cycle, wash the specimen in hot water until the washings are free of sodium sulphate. Dry the specimen to constant mass and screen on a 1.70 mm sieve. Let the mass retained on this sieve be M2.

#### A4. Loss

Calculate the percentage loss in mass from the formula

$$\frac{(M1 - M2) \times 100\%}{M1}$$

## **APPENDIX B**

### **DURABILITY TEST FOR BALLAST STONE**

#### **B1. Preparation of test specimens**

From a representative sample of ballast stone take at random 100 stones passing a 53.0 mm and retained on a 26.5 mm sieve. Wash the stones to remove all adhering material. Dry the stones at 105<sup>0</sup>C in a well ventilated oven and determine the mass after cooling. Continue drying until the decrease in mass after each of 2 successive drying periods of 4 h does not exceed 0.1% of the total mass.

#### **B2. Procedure**

Place the 100 stones in a suitable container and cover with ethylene glycol between 18<sup>0</sup> and 25<sup>0</sup>C for 20 days. Determine the number of stones that have broken, or can be broken by hand.

**PREVIEW COPY ONLY**

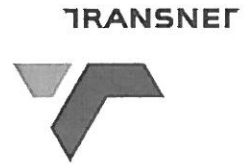
## APPENDIX C

### Mill abrasion test

1. Test method
  - 1.1 Prepare a test sample of the ballast under test, consisting of 1.5 kg each of the following two particle sizes:  
  
<37.5 mm >26.5 mm and <26.5 mm >19 mm.  
  
The particles shall be washed and oven-dried to a constant weight before it is weighed and tested.  
  
(W<sub>0</sub> = the total weight of sample)
  - 1.2 Place the sample in the porcelain mill pot and add 3 litres of distilled water. Ensure that the cork washer is correctly in position before tightening the lid securely.
  - 1.3 The mill pot is placed in a horizontal position on the two rollers of the test apparatus with the lid on the side of the electric motor in order that the counter's sensor is activated with each revolution of the mill pot.
  - 1.4 The mill pot shall be rotated at 33 r.p.m. for a total of 10 000 revolutions.
  - 1.5 The sample shall then be wash-sieved through a 9.5 mm sieve placed on top of a 0.075 mm sieve and then oven-dried to a constant weight.
  - 1.6 Record the dry mass of the material on the sieves:  
  
W<sub>1</sub> = mass of material on 9.5 mm sieve.  
  
W<sub>2</sub> = mass of material on 0.075 mm sieve
2. Evaluation method

Calculate the following abrasion value:

$$MA = \frac{W_0 - W_1 - W_2}{W_0} * 100 = \text{Mill Abrasion value.}$$



**SECTION 11**

**RFP NUMBER WR/BFX50842**

**SUPPLY OF BALLAST STONE NORTHERN CAPE**

**FOR A PERIOD OF 1 YEAR**

**NON-DISCLOSURE AGREEMENT ("NDA")**

**Complete and sign NDA attached hereto**

**PREVIEW COPY ONLY**

---

Respondent's Signature

---

Date and Company Stamp