Transnet Freight Rail, a division of

#### TRANSNET SOC LTD

Registration Number 1990/000900/30 [hereinafter referred to as **Transnet**]

REQUEST FOR QUOTATION [RFQ] No BLF52669

FOR THE SUPPLY OF: AS AND WHEN REQUIRED GARDENING AND
BUSH CLEARING AT VARIOUS ASSETS OF
TRANSNET IN WORCESTER, SIR LOWRY'S PASS
TO BREDASDORP, ASHTON TO ROBERTSON, FOR
A PERIOD OF 1 YEAR

ISSUE DATE:

27 February 2014

**CLOSING DATE:** 

18 March 2014

**CLOSING TIME:** 

10:00

#### **REQUEST FOR QUOTATION [RFQ] No BLE52669**

FOR THE SUPPLY OF:

AS AND WHEN REQUIRED GARDENING AND BUSH CLEARING AT VARIOUS ASSETS OF TRANSNET IN WORCESTER, SIR LOWRY'S PASS TO BREDASDORP,

ASHTON TO ROBERTSON, FOR A PERIOD OF 1 YEAR

**RFQ NUMBER** 

BLE52669

**ISSUE DATE:** 

25 February . 014

**CLOSING DATE:** 

18 Myrch 1014

**CLOSING TIME:** 

.0:0t

**BID VALIDITY PERIOD:** 

6 day from Closing Date

**Enclosures**;

**RP** - Sections 1, 2, 3, 4 and 5

Al nexure A - Project Specifications

**Annexure B - Special Conditions** 

Annexure C - Price List

E7/1 document

#### Section 1 **NOTICE TO BIDDERS**

Quotations which must be completed as indicated in Section 2 of this RFQ are to be submitted as follows:

METHOD:

[email / post and/or courier]

CLOSING VENUE:

[courier and/or tender box at physical address]

Quotations which must be completed as indicated in Section 2 of this RFO be to be submitted as follows:

**CLOSING VENUE:** 

SEE BELOW FOR CLOSING VENUE

Proposals must reach the Secretariat, Acquisition Council before the cosin hour on the date shown below, and must be enclosed in a sealed envelope which must have inscribed on the outside:

RFQ No:

BLE52669

Description

AS AND WHIN RIQUIRED GARDENING AND BUSH CLEARING AT VARIOUS AS ETS OF TRANSNET IN WORCESTER, SIR LOWRY'S PASS TO BREDASDORP, ASHTON TO ROBERTSON, FOR A PERIOD OF YEAR

Closing date and me. 18 March 2014 AT 10:00 Sharp

Closing address

[Refer to options in Delivery Instructions for RFQ below]

#### DELIVERY INSTRUCTIONS FOR REQ

#### Delivery by hand

vered by hand, the envelope is to be deposited in the Transnet tender box which is located at the ain entrance of Transnet Park, ROBERT SOBUKWE Road, Bellville, and should be addressed as llows:

> THE SECRETARIAT ACQUISITION COUNCIL TRANSNET PARK **TENDER BOX** ROBERT SOBUKWE ROAD **BELLVILLE 7535**

The measurements of the "tender slot" are 400mm wide x 100mm high, and Respondents must please ensure that response documents or files are no 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, each such envelope to be addressed as above.

#### Dispatch by courier

If dispatched by courier, the envelope must be addressed as follows and delivered to the Office of The Secretariat, Acquisition Council and a signature obtained from that Office:

THE SECRETARIAT
TRANSNET ACQUISITION COUNCIL
6TH FLOOR
TRANSNET PARK
ROBERT SOBUKWE ROAD
BELLVILLE

Postal service

TFR
SUPPLY CHAIN SERVICES
PO BOX 2986
BELLVILLE
7535

#### **B. FORMAL BRIEFING**

- i. A compulsory RFQ Site Meding will be conducted at Transnet Freight Rail, Real Estate Management workshop, Vorcester station, on **11 March 2014** at **11h00**. [Respondents to provide own transportation and to wear appropriate safety apparel].
- ii. Respondents faling to ttend the compulsory RFP briefing will be disqualified.

#### 3 Recoonses t RFQ

Resignates to this RFQ [Quotations] must not include documents or reference relating to any other quitation or proposal. Any additional conditions must be embodied in an accompanying letter.

#### 4 Broad-Based Black Economic Empowerment [B-BBEE]

Transnet fully endorses and supports the Government's Broad-Based Black Economic Empowerment Programme and it would therefore prefer to do business with local business enterprises who share these same values. Transnet will accordingly allow a "preference" to companies who provide a valid B-BBEE Verification Certificate. All procurement transactions will be evaluated accordingly.

#### 4.1 B-BBEE Scorecard and Rating

As prescribed in terms of the Preferential Procurement Policy Framework Act (PPPFA), Act 5 of 2000 and its Regulations, Respondents are to note that the following preference point system is applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R1 000 000 (all applicable taxes included).
- Bidders are to note that if the 80/20 preference point system is stipulated in this RFP and all Bids received exceed R1 000 000.00, the RFP must be cancelled.

The value of this bid is estimated to be below R1000 000 (all applicable taxes included) and therefore the **80/20** system shall be applicable.

When Transnet invites prospective suppliers to submit Proposals for its various expenditure programmes, it requires Respondents to have their B-BBEE status verified in compliance with the Codes of Good Practice issued in terms of the Broad Based Black Economic Empowerment Act No. 53 of 2003.

The Department of Trade and Industry recently revised the Codes of Good Practice on 11 October 2013 [Government Gazette No. 36928]. The Revised Codes will replace the Black Economic Empowerment Codes of Good Practice issued on 9 February 2007. The Pevised Codes provide for a one year transitional period starting 11 October 2013. During the transitional period, companies may elect to be measured in terms of the Revised Codes on the 2007 version of the Codes. After the first year of the implementation of the Revised Codes, B-BEE compliance will be measured in terms of the Revised Codes without any discretion. Companies which are governed by Sector-specific Codes will be measured in terms of these Sector Codes.

As such, Transnet will accept B-BBEF certificates issued based on the Revised Codes. Transnet will also continue to accept B-BBEF certificates issued in terms of the 2007 version of the Codes provided it was issued before 10 October 2014. Thereafter, Transnet will only accept B-BBEE certificates issued based on the Revised Codes.

Respondents are required to complete Annexure A [the B-BBEE Preference Point Claim Form] and submit it together with a poof of their B-BBEE Status as stipulated in the Claim Form in order to obtain preference points for their B-BBEE status.

Note: Failure submit a valid and original B-BBEE certificate or a certified copy thereof acroe Closing Date of this RFQ will result in a score of zero being allocated for B-B EE.

Yerer clause 21 below for Returnable Documents required]

#### 5 Communication

- a) Respondents are warned that a response will be liable for 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.
- b) A Respondent may, however, before the closing date and time, direct any written enquiries relating to the RFQ to the following Transnet employee:

Name: Cobus Carstens Email: cobus.carstens@transnet.net

c)Respondents may also, at any time after the closing date of the RFQ, communicate with <u>Johanna.kotze@transnet.net</u> or <u>Carol.swan@transnet.net</u>. on any matter relating to its RFQ

#### 6 Tax Clearance

The Respondent's original and valid Tax Clearance Certificate must accompany the Quotation. Note that no business shall be awarded to any Respondent whose tax matters have not been declared by SARS to be in order.

#### 7 VAT Registration

The valid VAT registration number must be stated here: \_\_\_\_\_\_ [if applicable

#### 8 Legal Compliance

The successful Respondent shall be in full and complete compliance with any and all applicable national and local laws and regulations.

#### 9 Changes to Quotations

Changes by the Respondent to its submission will not be considered after the clasing date and time.

#### 10 Pricing

All prices must be quoted in South African Rand, excluding VA

#### 11 Prices Subject to Confirmation

Prices quoted which are subject to confirmation will not be considered.

#### 12 Negotiations

Transnet reserves the right of undertake post-tender negotiations with selected Respondents or any number of short-listed Respondents.

#### 13 Binding Offer

Any Quotation furn their pursuant to this Request shall be deemed to be an offer. Any exceptions to this statement must be clearly and specifically indicated.

#### 14 Acid mers

n asnet 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. Please note that Transnet reserves the right to:

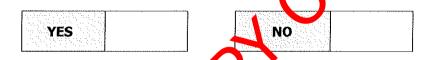
- modify the RFQ's goods / service(s) and request Respondents to re-bid on any changes;
- reject any Quotation which does not conform to instructions and specifications which are detailed herein;
- disqualify Quotations submitted after the stated submission deadline;
- · not necessarily accept the lowest priced Quotation;
- · reject all Quotations, if it so decides;
- place an order in connection with this Quotation at any time after the RFQ's closing date;
- award only a portion of the proposed goods / service/s which are reflected in the scope of this RFQ;
- split the award of the order/s between more than one Supplier/Service Provider; or
- make no award at all.

Transnet reserves the right to award business to the highest scoring bidder/s unless objective criteria justify the award to another bidder.

#### 15 Transnet's supplier integrity pact

Transnet's Integrity Pact requires a commitment from suppliers and Transnet that they will not engage in any corrupt and fraudulent practices, anti-competitive practices; and act in bad faith towards each other. The Integrity Pact also serves to communicate Transnet's Gift Policy as well as the remedies available to Transnet where a Respondent contravenes any provision of the Integrity Pact.

Respondents are required to familiarise themselves with the contents of the (megrity Pact which is available on the Transnet Internet site [www.transnet.net/Tenders/Pages/def ult.aspx] or on request. Furthermore, Respondents are required to certify that they have acquainted transless with all the documentation comprising the Transnet Integrity Pact and that they fully comply with all the terms and conditions stipulated in the Transnet Supplier Integrity Pact as follows:



Should a Respondent need to declare previous transpressions or a serious breach of law in the preceding 5 years as required by Annexure to be Integrity Pact, such declaration must accompany the Respondent's bid submission.

#### 16 Evaluation Criteria

Transnet will utilize the following criteria [not necessarily in this order] in choosing a Supplier/Service Provider, if so required.

Criterio / Criteria	Explanation
Administrative	Completeness of response and returnable documents
S. ostantive	Prequalification criteria, if any, must be met and whether the Bid materially
responsiveness	complies with the scope and/or specification given.

#### 17 Validity Period

	Transnet desires a validity period of 60 [sixty] days from the closing date of this RFQ.
	This RFQ is valid until
18	Banking Details
	BANK:
	BRANCH NAME / CODE:
	ACCOUNT HOLDER:

	ACCOUNT NUMBER:	
19	Company Registration	
	Registration number of company / C.C.	
	Registered name of company / C.C.	
20	Disclosure of Prices Quoted	
	Respondents must indicate here whether Transnet may disclose their quoted prices an	d conditions to
	other Respondents:	
	YES NO NO	
21	Returnable Documents	
	Returnable Documents means all the documents, Sections and Annexures, s listed	in the tables
	below.	
	a) Respondents are required to submit with their Quotations the k turnable Documen	nalistot as at
	below.	its, as actalica
	Failure to provide all these Returnable Documents at the Closing Date and	
	RFQ may result in a Respondent's disquilification. Respondents are there	fore urged to
	ensure that <u>all</u> these Documents are returned with their Quotations.	
	All Sections, as indicated in the factor of each page, must be signed, stamped and	d dated by the
	Respondent. Please confirm subhission of these Returnable Documents by so indicati	ing [Yes or No]
	in the table below:	
		Submitted
	Resonable Documents	[Yes or
		No]
SECT]	ON 1: Notice to Bidders	
-	Valid and ongital B-BBEE Verification Certificate or certified copy thereof [Large Enterprises and QSEs]	
	Note: failure to provide a valid B-BBEE Verification Certificate at the closing	
	tal and time of the RFQ will result in an automatic score of zero for	
	r eference	
-	Valid and original B-BBEE certificate/sworn affidavit or certified copy thereof from auditor, accounting officer or SANAS accredited Verification Agency [EMEs]	
	Note: failure to provide a valid B-BBEE Verification Certificate at the closing date and time of the RFQ will result in an automatic score of zero being	
	allocated for preference	
-	In the case of Joint Ventures, a copy of the Joint Venture Agreement or written confirmation of the intention to enter into a Joint Venture Agreement	
-	Original valid Tax Clearance Certificate [Consortia / Joint Ventures must submit a separate Tax Clearance Certificate for each party]	
SECTI	ON 2: Quotation Form	
SECTI	ON 3: Vendor Application Form	

	Submitte [Yes or No]
Original cancelled cheque or bank verification of banking details	
Certified copies of IDs of shareholder/directors/members [as applicable]	
<ul> <li>Certified copies of the relevant company registration documents free Companies and Intellectual Property Commission (CIPC)</li> </ul>	rom
Certified copies of the company's shareholding/director's portfolio	
Entity's letterhead	
Certified copy of VAT Registration Certificate [RSA entities only]	
Certified copy of valid Company Registration Certificate [if applicable]	
Letter of Good Standing	

# Section 2 OUOTATION FORM

QUOTATION FORM
I/We
hereby offer to supply the goods/services at the prices quoted in the Price Schedule below, in accordance
with the conditions related thereto.
I/We agree to be bound by those terms and conditions in:
the Standard Terms and Conditions for the Supply of Goods or Services to Transnet [available on request]; and
any other standard or special conditions mentioned and/or embodied in this Recurst for Quotation.
I/We accept that unless Transnet should otherwise decide and so inform me, this Quotation [and, i
any, its covering letter and any subsequent exchange of correspondence], together with Transnet's
acceptance thereof shall constitute a binding contract between Tracepet and Me/us.
I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fai
to deliver the said goods/service/s within the delivery le d-time quoted, Transnet may, without prejudice
to any other legal remedy which it may have, carrel the order and recover from me/us any expenses
incurred by Transnet in calling for Quotations afre hand/or having to accept any less favourable offer.  Prior Schedule
I/We quote as follows for the goods equired, on a "delivered nominated destination" basis, excluding
VAT:
Total amount : R

(amount from Price List / Service Fees & Costs)

Bidders are obligated to supply the percentage breakdown of the presented price (this information is mandatory, failing to supply this information, your bid may be disqualified).

Description	Percentage
Labour	%
Consumables & equipment	%
Profit / Margin	%
Total	

Consumables and Equipment portion to be based on CPI as at ruling data (contract inception date)

Labour portion to be based on the Statutory Labour increase as not government gazette at ruling date

#### **Notes to Pricing:**

PREVIE

- a) All Prices must be quoted in South African Rand, exclusive of VAT
- b) Please note that should you have offered a discounted price(s), Transnet will only consider such price discount(s) in the fina evaluation stage if offered on an unconditional basis.

#### Section 3



## Transnet Supplier Declaration/Application



The Financial Director or Company Secretary

Transnet Vendor Management has received a request to load your company on to the Transnet vendor database, Please furnish us with the following to enable us to process this request:

- Complete the "Supplier Declaration Form" (SDF) on page 2 of this letter
- 2. Original cancelled cheque OR letter from the bank verifying banking details (with bank stamp)
- 3. Certified copy of Identity document of Shareholders/Directors/Members (where applicable)
- 4. Certified copy of certificate of incorporation, CM29 / CM9 (name change)
- 5. Certified copy of share Certificates of Shareholders, CK1 / CK2 (if CC)
- 6. A letter with the company's letterhead confirming physical and postal addresses
- Original or certified copy of SARS Tax Clearance certificate and Vat registration certificate 7.
- A signed letter from the Auditor / Accountant confirming most recent annual turnove and percentage black ownership in the company AND/OR BBBEE certificate and detailed score card from an accredited rating 8 agency (SANAS member).

NB:

- Failure to submit the above documentation will delay the vendor creation process.
  Where applicable, the respective Transnet business unit processing your application may request information from you. E.g. proof of an existence of a Service/Business contract between your business and the respective Transnet business unit etc.

#### **IMPORTANT NOTES:**

- If your annual turnover is less than R5 million, there in terms of the DTI codes, you are classified as an Exempted Micro Enterprise (EME). If your tompany is classified as an EME, please include in your submission, a signed letter from your Augitor Accountant confirming your company's most recent annual turnover is less than R5 million and percentage of black ownership and black female ownership in the company AND/OR BBBEE certificate and detailed scorecard from an accredited rating agency (e.g. permanent SANAS Member), should you feel you will be able to attain a better BBBEE score.
- If your annual turnover is testwern 5 million and R35million, then in terms of the DTI codes, you are classified as a Qualifying Small Experise (QSE) and you claim a specific BBBEE level based on any 4 of the 7 elements of the BBBEE so re-card, please include your BEE certificate in your submission as confirmation
  - NB: BBBEE certificate and vetailed scorecard should be obtained from an accredited rating agency (e.g. permanent SANAS Member).
- If your annual armover is in excess of R35million, then in terms of the DTI codes, you are classified as a c) Large Exerptore and you claim a specific BEE level based on all seven elements of the BBBEE generic score and Pleas include your BEE certificate in your submission as confirmation of your status. ND SBLAE certificate and detailed scorecard should be obtained from an accredited rating agency (parma nent SANAS Member).
- To avoid PAYE tax being automatically deducted from any invoices received from you, you must also contact the Transnet person who lodged this request on your behalf, so as to be correctly classified in terms of Tax legislation.
- e) Unfortunately, No payments can be made to a vendor until the vendor has been registered, and no vendor can be registered until the vendor application form, together with its supporting documentation, has been received and processed.
- Please return the completed Supplier Declaration Form (SDF) together with the required supporting f) documents mentioned above to the Transnet Official who is intending to procure your company's services/products in order that he/she should complete and Internal Transnet Departmental Questionnaire before referring the matter to the appropriate Transnet Vendor Master Office.

Regards,

Transnet Vendor/Supplier Management .Contact person Carol tell: 021 940-3846 fax 021 940-3883.



## **Supplier Declaration Form**

Company Trading Name	(tr			
Company Registered Name				
Company Registration Numbe	r Or ID Number If A Sole P	roprietor	338	
Form of entity CC	Trust Pty L	td L	imited Partners	hip Sole Proprietor
VAT number (if registered)				
Company Telephone Number		***************************************		
Company Fax Number				•
Company E-Mail Address	1. :			
Company Website Address	: : :::		4	
Bank Name	Ba	ınk Accour	t Number	
Postal				
Address				Code
Physical				7 ~ 1
Address	12 × 10 1			Code
Contact Person				
Designation				
Telephone	ATAK MENCE			
Email			·	
Annual Turnover Range (Last Fil	·······	n	R5-35 million	> R35 million
Does Your Company Provide	Produc		Services	Both
Area Of Delivery	N tional	1	Provincial	Local
is Your Company A Public Or F	Private Entity		Public	Private
Does Your Company Have A T	ax Directive Or IRP30 Cer	tificate	Yes	No
Main Product Or Service Suppl	ied (E.G.: Stationery/Cons	ulting)		
BEE Ownership Details				
% Black Ownership	Bla L women ownership		% Disabled perso ownership	on/s
Does your company have a	EE certificate	Yes	N.	
What is your broad pased BL		nknown)	100	
How many personner toes the		ermanent	Part	time
				70.10.71
Transnet Contact reison	133 (13) 132 (13) 133 (13)			
Contact number				
Transpot operating division				
Duly Authorised To Sign Fo	r And On Behalf Of Firm	n / Orgar	ilsation	
Name		D	esignation	
Signature		D	ate	
Stamp And Signature Of Co	mmissioner Of Oath			
Name		D	ate	
Signatura		Τ,	Janhona No	

NB: Please return the completed Supplier Declaration Form (SDF) together with the required supporting documents mentioned above to the Transnet Official who is intending to procure your company's services/products.

Transnet Vendor/Supplier Management .Contact person Carol tell: 021 940-3846 fax 021 940-3883

#### Section 3

#### STANDARD TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS OR SERVICES TO TRANSNET

A Supplier/Service Provider shall be obliged to adhere to the Standard Terms and Conditions for the Supply of Goods and Services to Transnet as expressed hereunder. Should the Respondent find any condition(s) unacceptable, it should indicate which condition(s) is/are unacceptable and offer an alternative(s). A Quotation submitted by a Respondent will be subjected to review and acceptance or rejection of its proposed contractual terms and conditions by Transnet's Legal Counsel, prior to consideration for an award of business.

#### 1 SOLE AGREEMENT

Unless otherwise agreed in writing, these terms [Terms and each Term] and Transnet's purchase order(s) [Order or Orders] represent the only conditions upon which Transnet SOC Lto.[Transnet] procures goods [the Goods] or services [the Services] specified in the Order from the derivation of whom the Order is addressed [the Supplier/Service Provider]. Transnet does not accept any other conditions which the Supplier/Service Provider may specify, unless otherwise agree to by Transnet in writing. In the event of any inconsistency between these Terms and any Order, these Terms shall take precedence.

#### 2 CONFORMITY WITH ORDER

Goods/Services shall conform strictly with the Prof. The Supplier/Service Provider shall not vary the quantities specified and/or the specification if any, stipulated in the Order, without the prior written consent of Transnet. The Supplier/Service Provider warrants that the Goods/Services shall be fit for their purpose and of satisfactory quality.

#### 3 DELIVERY AND TITLE

- 3.1 The delivery date, and addresses are those in the Order. Time shall be of the essence in respect of the Supplier's/Se vice Provider's obligations under the Order.
- 3.2 The supplier/Service Provider will not be excused for delay in delivery or performance except due to sircular tangles outside its control and then only subject to the Supplier/Service Provider having political Transnet in writing on becoming aware of such circumstances. Transnet may terminate an Order, in whole or in part, without incurring any liability to the Supplier/Service Provider if such a delay becomes, in Transnet's absolute opinion, significant.
- 3.3 If on delivery, the Goods/Services do not conform to the Order, Transnet may reject the Goods/Services and the Supplier/Service Provider shall promptly rectify any defects or in Transnet's opinion, supply appropriate replacement Goods/Services at the Supplier's/Service Provider's expense within the specified delivery times, without any liability due by Transnet

#### 4 PRICE AND PAYMENT

4.1 Prices specified in an Order cannot be increased. Payment for the Goods/Services shall be made by Transnet against an original undisputed invoice(s) [a Tax Invoice], supporting documentation and month-end statement from the Supplier/Service Provider. Tax Invoices plus supporting documentation shall be posted to the address shown in the Order.

4.2 Payment of the Supplier's/Service Provider's valid Tax Invoice(s) will be made by Transnet in the South African currency and on the terms stated in the Order, the standard payment terms being 30 [thirty] days from date of receipt by Transnet of a month-end statement, unless otherwise agreed to in writing. Transnet shall arrange for payment of such Tax Invoices and any pre-authorised additional expenses incurred, provided that the authorised expenses are supported by acceptable documentary proof of expenditure incurred [where this is available]. Any amounts due in terms of these Terms shall be paid to the Supplier/Service Provider, taking into account any deduction or set-off and bank charges.

#### 5 PROPRIETARY RIGHTS LIABILITY

If any allegations should be made or any claim asserted against Transnet that ownership of, or any act or omission by Transnet in relation to Goods/Services or any written material provided to Transnet relating to any Goods/Services or pursuant to an Order being a violation or infringement of any third party's contractual, industrial, commercial or intellectual property rights including but not limited to any patent, registered design, design right, trade mark, copyright or service mark or any application thereof, the Supplier/Service Provider hereby indemnifies Transnet against and how it narmless from any and all losses, liabilities, costs, claims, damages and expenses [including any legal fees] arising directly or indirectly from such allegation or claim provided that this indemnity that not apply where the allegation or claim arises solely as a result of the Supplier/Service Provider ofloving a design or process originated and furnished by Transnet. The Supplier/Service Provider shall enter

- a) procure for Transnet the right to continuous ag the infringing Goods; or
- b) modify or replace the Good / Service of that they become non-infringing,

provided that in both cases the cools/Services shall continue to meet Transnet's requirements and any specifications stipulated in the order. Should neither option be possible, the Supplier/Service Provider may remove, with Translet's prior written consent, such Goods/Services and will pay to Transnet a sum equivalent to the purchase price. If Transnet refuses to give such consent, the Supplier/Service Provider shall have no nebuty in respect of any continued use of the infringing Goods/Services after Supplier's/Service Provider's prior written request to remove the same.

#### 6 PROTETARY INFORMATION

All formation which Transnet has divulged or may divulge to the Supplier/Service Provider and any information relating to Transnet's business which may have come into the Supplier's/Service Provider's possession whilst carrying out an Order, and the existence of the Order, shall be treated by the Supplier/Service Provider as confidential information and shall not, without Transnet's prior written consent, be disclosed to any third party, or be used or copied for any purposes other than to perform the Order. This clause does not apply to information which is public knowledge or available from other sources other than by breach of this Term. Upon request by Transnet, the Supplier/Service Provider shall return all materials issued pursuant to the Order and, pending this, shall protect Transnet's rights in any such materials. Such confidential information shall at all material times be the property of Transnet.

#### 7 PUBLICITY

The Supplier/Service Provider shall not name Transnet or use its trademarks, service marks [whether registered or not] or Goods in connection with any publicity without Transnet's prior written consent.

#### 8 TERMINATION OF ORDER

- Transnet may cancel an Order in whole or in part at any time upon at least 7 [seven] days' written notice to the Supplier/Service Provider, or when there is a change in control of the Supplier/Service Provider or the Supplier/Service Provider commits any serious breach or any repeated or continued material breach of its obligations under these Terms and/or Order or shall have been guilty of conduct tending to bring itself into disrepute, on written notice to the Supplier/Service Provider when such work on the Order shall stop.
- Transnet shall pay the Supplier/Service Provider a fair and reasonable trice for justified work in progress, where such price reflects only those costs not otherwise recoverable by the Supplier/Service Provider, at the time of termination, and the Supplier/Service Provider shall give Transnet full assistance to check the extent of such work in progress. Payment of such price shall be in full and final satisfaction of any claims arising out of such termination and upon such payment the Supplier/Service Provider shall deliver to Transnet all work, including any materials, completed or in progress. The sum payable to the Supplier/Service Provider under this clause will not in any event exceed the total amount that would have been payable to the Supplier/Service Provider had the Order not been terminated.
- 8.3 In the event of termination the Supplier Dervice Provider must submit all claims within 2 [two] months of termination after which time claims will only be met in what Transnet considers exceptional circumstances.
- 8.4 If the Goods or Services are not provided in accordance with an Order, the Order shall be deemed terminated and the Supplier/Service Provider shall compensate Transnet for any costs incurred in obtaining substitute Goods or any damage caused due to the failure or delay in the delivery.

#### 9 ACCESS

The Symplier Service Provider shall be liable for the acts, omissions and defaults of its personnel or agents who have the purposes of the Order, shall be treated as if they are the Supplier's/Service Provider's employees. The Supplier/Service Provider shall ensure that any such personnel or agents, whilst on Transpet's premises, shall comply with Transpet's health and safety, security and system security rules and procedures as and where required.

#### 10 WARRANTY

The Supplier/Service Provider warrants that it is competent to supply the Services in accordance with these Terms to the reasonable satisfaction of Transnet and that all Services delivered under the Order: (a) conform and comply in all relevant legislation, standards, directives and orders related to *[inter alia]* the Services in force at the time of delivery, and to any specifications referred to in the Order; (b) will not cause any deterioration in the functionality of any Transnet equipment; and (c) do not infringe any third party rights of any kind. The Supplier/Service Provider hereby indemnifies Transnet against all losses, liabilities, costs, claims, damages, expenses and awards of any kinds incurred or made against Transnet in connection with any breach of this warranty.

#### 11 INSOLVENCY

If the Supplier/Service Provider shall have a receiver, manager, administrator, liquidator or like person appointed over all or any part of its assets or if the Supplier/Service Provider compounds with its creditors or passes a resolution for the writing up or administration of the Supplier/Service Provider, Transnet is at liberty to terminate the Order or Orders forthwith, or at its option, to seek performance by any such appointed person.

#### 12 ASSIGNMENT

The Supplier/Service Provider shall not assign its obligations under an Order without Transnet's prior written consent, which consent shall not be unreasonably withheld or delayed.

#### 13 NOTICES

Notices under these Terms shall be delivered by hand to the relevant addresses on the parties in the Order or may be served by facsimile or by email, in which event notice shall be deemed served on acknowledgement of receipt by the recipient.

#### **14 LAW**

Orders shall be governed by and interpreted in accordance with South African law and any disputes arising herein shall be subject to South African arbitration ander the rules of the Arbitration Foundation of South Africa, which rules are deemed incorporated by reference in this clause. The reference to arbitration shall not prevent Transnet referring the matter to any fouth African courts, having jurisdiction, to which the Supplier/Service Provider hereby irrev cably submits but without prejudice to Transnet's right to take proceedings against the Supplier/Service Provider in other jurisdictions and/or obtaining interim relief on an urgent basis from a court of competent jurisdiction pending the decision in other courts or from instituting in any court of competent jurisdiction any proceedings for an interdict or any other injunctive relief. If the Supplier/Service Provider does not have a registered office in the South Africa it will at all times maintain an agent for service or process in South Africa and shall give Transnet the name and address of such agent as such may be amended in writing, from time to time.

#### 15 GENERAL

Combination of an Order shall be without prejudice to any Term herein which by its nature would be deemed to continue after completion or termination. Headings are included herein for convenience only. If any Term herein be held illegal or unenforceable, the validity or enforceability of the remaining Terms shall not be affected. No failure or delay by Transnet to enforce any rights under these Terms will operate as a waiver thereof by Transnet. All rights and remedies available to either party under these Terms shall be in addition to, not to the exclusion of, rights otherwise available at law.

#### **16 COUNTERPARTS**

These Terms and conditions may be signed in any number of counterparts, all of which taken together shall constitute one and the same instrument. Any party may enter into this agreement by signing any such counterpart.

By signing this RFQ document, 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 SOC Ltd will recognise no claim for relief based on an allegation that the Respondent overlooked any such condition or failed to properly take it into account for the purpose of calculating quoted prices or otherwise.

SIGNED at	on this day of	20_
SIGNATURE OF RESPONDENT'S AUT		
NAME:		
DESIGNATION:	<u>, `</u>	
REGISTERED NAME OF COMPANY: _		
PHYSICAL ADDRESS:		
Respondent's contact person: [/	Please complete,	
Name :		
Designation :		
Telephone :		
Cell Phone .		
Facumile :		
Email :		
Website :		
Transnet urges its	clients, suppliers and the gener	ral public

to report any fraud or corruption to TIP-OFFS ANONYMOUS: 0800 003 056

#### Section 4: CERTIFICATE OF ACQUAINTANCE WITH SPECIFICATIONS

Section 4. CERTIFICATE OF ACCOMMINATIONS
I/We
hereby certify that I/we acquainted myself/ourselves with all the documentation comprising the Specifications for the carrying out of the proposed Services for which I/we submitted my/our Proposal.
I/We furthermore agree that Transnet SOC Ltd shall recognise no claim from me/us for relief based on a allegation that I/we overlooked any provisions of the Specifications or failed to take it into account for the purpose of calculating my/our offered prices or otherwise.
/We confirm having been advised that a signed copy of this Schedule can be sebmitted in lieu of the Specifications as confirmation in terms of the Returnable Schedule.
SIGNED at on this aay of20
SIGNATURE OF WITNESS SIGNATURE OF RESPONDENT

Respondent's Signature

Date & Company Stamp

#### Section 5:

#### **CERTIFICATE OF ATTENDANCE OF SITE BRIEFING – RFQ BLE52669**

It is hereby certified that –	•
1.	— 4"
2.	
Representative(s) of	[name of entity]
attended the RFP briefing in respect of the propos	
20	
TRANSNET'S REPRESENTATIVE	RESPONDENT'S REPRESENTATIVE
DATE	DATE
0/-	EMAIL

#### Annexure A

#### PROJECT SPECIFICATIONS

#### **BLE52669**

# AS AND WHEN REQUIRED GARDENING AND BUSH CLEARING AT VARIOUS ASSETS OF TRANSNET IN WORCESTER, SIR LOWRYS PASS TO BREDASDORP, ASHTON TO ROBERTON FOR A PERIOD OF 1 YEAR (12 MONTHS)

#### 1. CLEANING AND CLEARING:

The contractor will supply the material, labour, transport, consumable stores and ingredients of any description, which may be necessary for the proper completion of the contract, work in accordance with the specifications as follows:

#### 2. MAINTENANCE

#### LAWN / GARDEN

On each maintenance period the contractor is required to at tewns as per normal, here no herbicide use is permitted. Lawn edges to be trimmed and flower beds to be cleaned of all weeds. Please follow the instructions as per the General Specification

#### 3. ROUGH AREA

Here the contractor is required to cut the preas and immediately apply herbicide to the remaining growth with a retarder / wetting agent. The desired enect to keep the growth down to a minimum for the period of two months. Recommended: Volcano Agrostience SZRINGBOK combined with the wetting agent – Foliwett 900 – Plaaskem. The above mentioned product are merely an example, please quote using similar products with the same effectiveness.

#### 4. FELLIN OF THE 25

All aim Les have to be eradicated, please see note in general specification as how to fell and herbicide trees.

A Moratorium has been placed on the eradication of Seligna (blue gum) trees; therefore Seligna trees must not be completely removed. Thinning out is however required, trees with a base diameter of 150 mm and smaller must be eradicated. Leave spaces of approximately 1, 5 metres between larger trees. Please use example below in general specification for felling instructions.

Cut all alien trees with power or bow saws +/-150mm above the ground. The stumps should immediately be treated with the relevant registered herbicide (e.g. Garlon or a similar product assuring the same control). Above-mentioned herbicide must be mixed with colouring and applied with paintbrush to ensure the stumps are treated. Remove all small alien trees the same as above.

Tree stumps which have been treated with herbicide found coppicing will have to be cut and stripped of bark and repeating the herbiciding process. Branches and limbs of trees previously cut in cleaning operations is to be removed from site to a recognized municipal dumping site.

#### 5. REMOVAL OF ALIEN VEGETATION AND POISONING OF WEEDS.

Alien vegetation or declared/noxious weeds, in the area required to be maintained by the contractor shall be treated as abnormal maintenance and removed. Trees included in the alien list are as follows:

Port Jackson Blue Gum (Seligna) Rooikrantz Oleander Caster oil Brazilian pepper Namatoka Black Wattle

#### 6. General Specification

- 1. Each area will be kept clean and maintained to the faximum growth length 100mm
- 2. Cut long grass and with tractor and brush-cutter
- 3. Cut inaccessible areas with weed-eaters and cat lawn with lawn mowers.
- 4. The edges of the lawn at all the garden treas must be cut and cleaned.
- 5. Cut all alien trees with power of box saws +150mm above the ground. The stumps should immediately be treated with the relevant registered heroicide (e.g. garlon and diesel at 2% solution or a similar product assuring the same control). Above mer doned herbicide must be mixed with colouring and applied with paintbrush to ensure the stumps are treated. It move all small alien trees the same as above.
- 6. Cut back the growth of Llarge trees to a height of 2 metres from ground level and cut back growth of shrubs etc
- 7. Clean around shrow and decorative trees and trim edges.
- Removal of all decisions refuse, all building rubble, rubbish, paper, bottles and tins after each clean up to be done by Contractor no tumping on Transnet Property will be allowed).
- Cost of during at the municipal dumping site must be included in the rates.
- Eradicate thorn bushes completely with stem and roots at all grass cutting areas and spray with weed-killer as and when required.
- 11. Prune and clean around / between all shrubs and remove all dead shrubs.
- 12. The contactor is to provide suitably trained staff to handle herbicides.
- 13. 3 days notice must be given to the representative of TFR to inspect site for a completion certificate to be issued.

- 14. Limbs of large trees breaking during the contract period are to be cut up and removed from site.
- 15. In the event where the full clean up was not done for the period specified, the TFR representative will workout the percentage of work done and provide the contractor with the percentage to be claimed for the period.

#### 7. REMOVAL OF ALIEN VEGETATION AND POISONING OF WEEDS.

Alien vegetation or declared/noxious weeds or weeds, in the area required to be maintained by the contractor shall be treated as abnormal maintenance and removed.

#### **METHODS TO BE QUOTED ON ARE:** 8.

- Mechanical control
- Chemical control
- Both mechanical and chemical control

#### HERBICIDE APPLICATION 9.

The contractor shall at all times adhere to the health and safety regulations as penACT 85 of 1993

#### Compliance with statutes 10.

The contractors' procedures for the procurement, storage, handling, transporting and application and general use of chemicals shall comply with all applicable Legislation Codes of Practice the Legional or Provincial Authorities, including but not restricted to:

- The Fertilizers, Farm Feeds, Agricultural Remedies and Stocks remedies Act (Act 36 of 1947) as amended.
- The Hazardous substance Act (Act 15 of 1973).
- The Environmental Conservation Act (Act 73 of1989)
- Any other relevant legislation.

Tenderers shall submit alternatives to the method Lof reed control as well as materials and method, which the contractor proposed to use, programs and TFR recourses for the contract.

Tenders must supply a list of regist red products, which they intend using, supported by specimen labels, indicating:

- Trade Name
- Generic Name
- Registration Number
- Ingredients (type apd onte nt) as shown on label
- Application Rates
  A copy of the certificate issued by the Department of Agriculture to certify that the tenderer or his representative is a pest control operator in terms of Act 36 of 1947

Areas where controls required for a period of three (3) months, the area will at all times have Ninety percent (90%) vegetation

Approval for the use of other herbicides must first be obtained in writing from a qualified TFR representative.

The contractor shall be held responsible for any damage to Transnet and adjoining property caused by his actions.

The Project Manager may at any time after the first inspections order the contractor to carry our remedial action within in three (3) weeks failing which the Project Manager may arrange for such action to be carried out by others at the cost of the contractor.

Under no circumstances is any herbicide with active ingredients PARAQUANT to be used.

#### 11. INCOMPETENT EMPLOYEES

Any person employed by the contractor on the Works who is, in the opinion of the Project Manager incompetent, or who may act in such an improper manner, may be discharge from the project by the Project Manager and such a person shall not again be employed on the project without the permission of the Manager.

#### 12. DRAWINGS / PLANS

Plans and drawings will be available on / at the tender / site briefing.

#### 13. GENERAL:

Containers and residual material will not be disposed of on Transnet property or as part of Transnet refuse but these must be disposed at a legal municipal dumpsite.

The site plans is to scale and the area on each is closest to the correct area, this measure is in electares and may be used to calculate the costs as setout in the schedule of rates.

#### 14. GENERAL INFORMATION

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

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

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

Spec.BLE52669



#### Annexure B

#### SPECIAL CONDITIONS

**BLE52669** 

AS AND WHEN REQUIRED GARDENING AND BUSH CLEARING AT VARIOUS ASSETS OF TRANSNET IN WORCESTER, SIR LOWRY'S PASS TO BREDASDOR'S, ASHTON TO ROBERTSON, FOR A PERIOD OF 1 YEAR (12 MONTHS)

#### 1. Contract documents::

A formal contract will be entered with the successful tenderer.,

2. This specification comprises parts with headings as indicated: -

The tenderers are required to check the number of pages and should any be found to be missing or in duplicate or the figures or writing to be indistinct or should there be any doubt or obscurity as to the meaning of any particular word or phrase or descriptions or should tenderers consider that any item is incorrectly or inadequately described they must inform the Manager, P.O. Box 1831, Room C2, Bellville at once in writing under reference and have the matter regimed or explained as the case may be as no liability whatsoever will be admitted by Transnet Freight Reil investor of errors in a tender due to the foregoing.

No alterations, erasures or additions of any kind shall be made by the tenderers in, from or to any part of this specification unless expressly required to be made by written notice and should any unauthorized alterations, erasures or additions be made they will not be recognized by Transnet Freight Rail.

#### 3. Manager:

The Marage shall appoint a competent person as the Project Manager to undertake the Engineering duties.

#### 4. Inspection of works:

No work shall be covered up or put out of view without the approval of the Project Manager. The Contractor shall afford full opportunity for the Project Manager to examine and measure any work, which is about to be covered up or put out of view and to examine foundations before permanent work is placed thereon.

Posnondont's Signaturo	1	Date and Company Stamp
Respondent's Signature	I .	Date and Company Stamp

The Contractor shall give due notice to the Project Manager whenever any such work of formations is or are ready or about to be ready for examination. The Project Manager shall, without unreasonable delay, unless he considers it necessary and advises the Contractor accordingly, examine and or measuring such work as required.

The Contractor shall uncover any part or parts of the work or make openings in or through the same as the Project Manager may from time to time direct and shall reinstate and make good such part or parts to the satisfaction of the Project Manager. If any such part of parts have been covered up or put out of view after compliance with the requirements, and are found not to be executed in accordance with the Contract, the expenses of uncovering, making openings in or through, reinstating and making good the same shall be borne by the Contractor.

#### 5. Site records:

#### Site Diary

The Contractor shall provide a diary, in triplicate to record all cay-to-day incidents that could occur during the contract period. This includes weather, name & number of problers on the site, material that has been delivered, material that has been loaded and disposed off, incidences that have occurred, what work is to be done on that day, etc.

#### Site Instruction Book

The Contractor shall provide a site instruction book, in triplicate for the Project Manager to place all instructions that are needed to complime t the specifications and drawings and any other instruction that may affect the cost of the work.

No work will be recognised for additional payment unless it has been recorded and signed by the Project Manager in the aforesaid book.

#### Programme & Planning of the work

The contractor shall provide to the Project Manager a detail plan of how he intends to do the work and this plan must be to the equirements of the operation of Transnet Freight Rail workshop with minor disruptions as no delays must be allowed in this regard.

The programme cause be agreed to (in the site instruction book) before any work will be allowed to commence. The programme can be in a form of a pert (bar) chart and will be used as a guide to measure progress of the work.

#### 6. Water supply:

Water may be made available for the purpose of construction of the works only. The water shall be used conservatively and if not, this privilege shall be removed and the water shall be metered, and the cost of the metered water shall be borne by the Contractor as well as all charges as entertained by Transnet Freight Rail. The Contractor must supply all connections, hoses, etc., as necessary.

#### 7. Electricity supply:

Respondent's Signature	2	Date and Company Stamp



Electricity may be made available to the Contractor. The contractor must adhere to the safety standards as per the General Safety Regulations, Electrical Machine Regulations, Electrical Installation Regulations of the **Health and Safety Act**, (Act 85 of 1993) and SABS 0142.

#### 8. Access to site:

The areas are restricted and the contractor must ensure he complies with the regulations of Transnet Freight Rail in every way. The Contractor and/or any sub-contractors shall be required to apply for permission to enter the restricted area in writing. A list of workmen shall be given to the Project Manager to arrange for the necessary permits. 48 Hours minimum notice is necessary for the processing these permits. This includes changes to staff during the contract period.

#### 9. Materials found on site:

The Contractor shall not use on the works any materials found on the site without the prior written consent of the Project Manager. No material that is lying on the site (other than that from this contract) or on Transnet Freight Rail's property, may be removed (even if deemed as so ap) by the contractor.

#### 10. Clearing of site:

The Contractor shall provide for cleaning up and sorting all rubbish and debris of whatever kind throughout the duration of the contract. Upon completion he Contractor shall clear away and remove all rubbish, unused material, plant and debris and leave the sit, and the whole of the works clean and tidy to the satisfaction of the Project Manager.

#### 11. Working outside normal working hours:

Normal working hours are between 7/30 and 16:00 Mondays to Fridays. If it is required to work outside the stated normal working hours the Contractor must obtain written permission at least 24 hours before such work needs to be undertaken. To name Freight Rail will not unreasonably withhold permission, however the Contractor may have to pay for Transnet Freight Rail's supervisory personnel.

#### 12. VAT:

Value Ad (ed ) ax VAT) shall be excluded in the Annexure C - Price List / Schedule of Rates.

#### 13. Retention:

To protect Transnet Freight Rail in case of any defective work, Transnet Freight Rail reserves the right to retain up to ten (10) percent of the value of the contract, for a period of six months, (the maintenance period) or such further period beyond the maintenance period if defects have not yet been made good to the satisfaction of the Project Manager.



#### 14. Payment:

Payments shall be made at an agreed date once a month only, for work satisfactory completed, (minus retention money), and in accordance with the Price list / Schedule of Rates and Prices. This will be a part payment for the work completed on the date of measurement.

Payment shall be made by Transnet within 30 (thirty) days after date of receipt by Transnet of the statement together with all undisputed Tax Invoices and supporting documentation.

#### 15. Safety precautions and Insurance

#### Damage to Transnet Freight Rail's Assets and liability

The contract the contractor shall provide the insurance for the following:

- Contract Work; (this insurance excludes the old (strap) material removed from the structure such as the roof sheeting)
- ◆ Public Liability;

#### 16. Act 85

The contractor shall comply with the occupational Health & Safety Act, 1993 (Act 85 of 1993).

#### SUBSTANCE ABUSE TESTING

The OHSA (Act 85 of 1993) clearly states in the Safety Regulations 2A "INTOXICATION" An explorer or user, as the case may be, shall not permit any person who appears to be under the influence of intoxicating liquor or drugs, to extend a remain at a workplace. Transnet Freight Rail enforces this legislation by a cans of its Substance Abuse Policy, and therefore reserves the right to do substance abuse testing on anyone who enters their premises

#### Environ near

The Conductor shall, at all times, comply with the statutes that prohibit pollution of any kind. These satutes are enacted in the following legislation.

- ☐ The National Environmental Management Act, 107/1998;
- □ The Environmental Conservation Act, 73/1989; and
- ☐ The National Water Act, 36/1998.

The Contractor shall appoint a responsible person to ensure that no incident shall occur on site that could cause pollution. Where the Contractor was negligent and caused any form of pollution the damage shall be rectified at the Contractors cost.

Scon.BLE52669

Respondent's Signature	4	Date and Company Stamp

#### Annexure C

#### PRICE LIST / SERVICE FEES AND COSTS

#### BLE52669

# AS AND WHEN REQUIRED GARDENING AND BUSH CLEARING AT VARIOUS ASSETS. WORCESTER , SIR LOWRY'S PASS TO BREDASDORP, ASHTON TO ROBERTSON

SCHEDULE OF RATES A	ND QUANTITIE	S		
DESCRIPTION	UNIT	QUANTITY	KATE	AMOUNT
MAINTENANCE LAWN/GARDEN				
Worcester Station- once per month (green area)	m²	25, 90,2		
Worcester Station -Twice per month (orange area)	m²	193.7		
Worcester Yard Master and Diesel Depot-once per	II 2	65382.2		
month ( green area)			· · · · · · · · · · · · · · · · · · ·	
Worcester Yard Master and Diesel Depot-twice per	m²	10830.4		
month ( orange area)				
Worcester Transtel - Twice per month	m²	410.7		
	SUB TOTAL			
DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
ROUGH AREA, TO BE CLEANED (SPARSE) 3 0mm	Ha	unspecified		
ROUGH AREA, TO BE CLEANED (SPARSE) 300 m	Ha	unspecified		
ROUGH AREA, TO BE CLEANED (SPA SE) 00mm	Ha	unspecified	· · · · · · · · · · · · · · · · · · ·	
DESCRIPTION .	UNIT	QUANTITY	RATE	AMOUNT
ROUGH AREA, TO BE CLEANED (DIMSE) 300mm	Ha	unspecified		
ROUGH AREA, TO BE CLEANE. (DENSE) 500mm	Ha	unspecified		
ROUGH AREA, TO BE CAPANED (DENSE) 700mm	На	unspecified	·	
DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
FELLING OF TREAS HEIGHT 1,5M - GIRTH 250MM	Each	unspecified		
FELLING OF TREAS HEIGHT 1,75M - GIRTH 550MM	Each	unspecified		
FELLING OF TREES HEIGHT 2,5M - GIRTH 750MM	Each	unspecified		
FELLING OF TREES HEIGHT 3, 0M - GIRTH 550MM	Each	unspecified		
TOTAL exc VAT		TOTAL		

The total amount/ price, excluding VAT, must be forwarded to Section 2, the Quotation form .

Rates.BLE52669

Respondent's Signature	1	Date and Company Stamp

### TRANSNET



Transnet SOC Limited Registration Number 1990/00900/06

## TRANSNET SPECIFICATION

# E7/1 - SPECIFICATION FOR GENERAL WORK AND WORKS ON, OVER, UNDER OR ADJACENT TO RAILWAY LINES AND NEAR HIGH YOLTAGE EQUIPMENT

(This specification stall be used in network operator contracts)

Circulation Not Restricted

© This document as a whole is protected by copyright. The information herein is the sole property of Transnet SOC Ltd. It may not be used, disclosed or reproduced in part or in whole in any manner whatsoever, except with the written permission of and in a manner permitted by the proprietors.

(This page not to be issued with contract)

# SPECIFICATION FOR GENERAL WORK AND WORKS ON, OVER, UNDER OR ADJACENT TO RAILWAY LINES AND NEAR HIGH VOLTAGE EQUIPMENT

Author:	Project Manager Capital Program (Electrical)	G. Maposa	Maposa
Approved:	Senior Engineer Infra Engineering (Train Authorisation Systems)	J. van den Berg	
	Principal Engineer Infra Engineering (Track)	M. Marutla	The Ta
u	Principal Engineer Infra Engineering (Structures)	u. Ho nan	Man.
ıı	Principal Engineer Infra Engineering (Electrical)	J. Vosloo	Mulos
44	Principal Engineer Technology Management (Electrical)	W. Coetzee	Millanter
44	Chief Englaner Trail sport Telecoms	D. Botha	Jaka Wittane 4
Authorised:	Chief Engineer Infrastructure Engineering	J. van Aardt	Jakar 7011/06/50

Date:

May 2011

(This page not to be issued with contract)

### TRANSNET



Transnet SOC Limited Registration Number 1990/00900/06

## TRANSNET SPECIFICATION

# E7/1 - SPECIFICATION FOR GENERAL WORK AND WORKS ON, OVER, UNDER OR ADJACENT TO RAILWAY LINES AND NEAR HIGH YOLTAGE EQUIPMENT

(This specification small be used in network operator contracts)

Circulation Not Restricted

© This document as a whole is protected by copyright. The information herein is the sole property of Transnet SOC Ltd. It may not be used, disclosed or reproduced in part or in whole in any manner whatsoever, except with the written permission of and in a manner permitted by the proprietors.

#### CONTENTS

CLA	<u>USE</u>	<u>HEADING</u>	<b>PAGE</b>
1.0		SCOPE	3
2.0		DEFINITIONS	3
		PART A - GENERAL SPECIFICATION	
3.0		AUTHORITY OF OFFICERS OF TRANSNET	4
4.0		CONTRACTOR'S REPRESENTATIVES AND STAFF	4
5.0		OCCUPATIONS AND WORK PERMITS	4
6.0		SPEED RESTRICTIONS AND PROTECTION	5
7.0		ROADS ON THE NETWORK OPERATOR'S PROPERTY	5
8.0		CLEARANCES	5
9.0		STACKING OF MATERIAL	5
10.0		EXCAVATION, SHORING, DEWATERING AND DRAINAGE	5
11.0		FALSEWORK FOR STRUCTURES	6
12.0		PILING	6
13.0		UNDERGROUND SERVICES	6
14.0		BLASTING AND USE OF EXPLOSIVES	6
15.0		RAIL TROLLEYS	7
16.0		SIGNAL TRACK CIRCUITS	7
17.0		PENALTY FOR DELAYS TO TRAINS	7
18.0		SURVEY BEACONS AND PEGS	7
19.0		TEMPORARY LEVEL CROSSINGS	8
20.0		COMPLETION OF THE WORKS	8
21.0		PROTECTION OF PERSONS AND PROPERTY	9
22.0		INTERFERENCE WITH THE VETWORK OPERATOR'S ASSETS AND WORK ON OPEN LINES	10
23.0		ACCESS, RIGHT. OF-WAY AND CAMPSITES	10
24.0		SUPERVISION	10
25.0		HOUSING OF EMPLOYEES	10
26.0		OPT CALFIBRE CABLE ROUTES	10
PAI	RT B - AD	DITIONAL SPECIFICATION FOR WORK NEAR HIGH-VOLTAGE ELECTRICAL EQU	IPMENT
27.0		CENTRAL	11
28.0		WONK ON BUILDINGS OR FIXED STRUCTURES	11
29.0		WORK DONE ON OR OUTSIDE OF ROLLING STOCK, INCLUDING LOADING AND UNLOADING	11
30.0		USE OF EQUIPMENT	12
31.0		CARRYING AND HANDLING MATERIAL AND EQUIPMENT	12
32.0		PRECAUTIONS TO BE TAKEN WHEN ERECTING OR REMOVING POLES, ANTENNAE AND TREES ETC.	12
33.0		USE OF WATER	13
34.0		USE OF CONSTRUCTION PLANT	13
35.0		WORK PERFORMED UNDER DEAD CONDITIONS UNDER COVER OF A WORK PERMIT	13
36.0		TRACTION RETURN CIRCUITS IN RAILS	13
37.0		HIGH-VOLTAGE ELECTRICAL EQUIPMENT NOT MAINTAINED AND/OR OPERATED BY THE NETWORK OPERATOR	14

#### 1.0 SCOPE

1.1 This specification covers the network operator's requirements for general work and works on, over, under or adjacent to railway lines and near high voltage equipment.

#### 2.0 DEFINITIONS

The following definitions shall apply:

"Authorised Person" - A person whether an employee of the network operator or not, who has been specially authorised to undertake specific duties in terms of Transnet' publication Electrical Safety Instructions, and who holds a certificate or letter of authority to that effect.

"Barrier" Any device designed to restrict access to "live" high-voltage electrical equipment.

"Bond" - A short conductor installed to provide electrical continuity.

"Contractor" - Any person or organisation appointed by the network operator to carty out work on its behalf.

"Contract Supervisor" - The person or juristic person appointed by the network operator from time to time as the Contract Supervisor, to administer the Contractor's performance and elecution of the Works according to the powers and rights held by and obligations placed upon the Contract Supervisor in terms of the Contract.

"Dead" - Isolated and earthed.

"Electrical Officer (Contracts)" - The person appointed in writing by the Project Manager in terms of this specification as the person who shall be consulted by the Contractor in all electrical matters to ensure that adequate safety precautions are taken by the Contractor.

"Executive Officer" - The person appointed by the net vork operator from time to time as the Executive Officer to act according to the rights and powers relative and obligations placed upon him in terms of the Contract.

"High-Voltage" - A voltage normally exceeding 1000 volts.

"Live" - A conductor is said to be "live" when it is at a potential different from that of the earth or any other conductor of the system of which it follows a part.

"Near" - To be in such a position that a person's body or the tools he is using or any equipment he is handling may come within a metre. I "live" exposed high-voltage electrical equipment.

"Occupation" - An authorisation granted by the network operator for work to be carried out under specified conditions on, over, under or aujacent to railway lines.

"Occupation Between rains" - An occupation during an interval between successive trains.

"Optical Fibre Cable" - Buried or suspended composite cable containing optical fibres used in:

- · telesammunication networks for transmission of digital information and
- afe / sensitive train operations systems.

"Projec Manager" – As defined in the special conditions of the contract. The person or juristic person appointed by the network operator from time to time as the Project Manager, to administer the Contract according to the powers and rights held by and obligations placed upon him in terms of the Contract.

"Responsible Representative" - The responsible person in charge, appointed by a contractor, who has undergone specific training (and holds a certificate) to supervise (general or direct) staff under his control who perform general work or to work on, over, under or adjacent to railway lines and in the vicinity of high-voltage electrical equipment.

"Total Occupation" - An occupation for a period when trains are not to traverse the section of line covered by the occupation.

"Work on" - Work undertaken on or so close to the equipment that the specified working clearances to the "live" equipment cannot be maintained.

"Work Permit" - A combined written application and authority to proceed with work on or near dead electrical equipment.

"Works" - The contractual intent for the work to be done as defined in the contract at a defined work site.

#### **PART A - GENERAL SPECIFICATION**

#### 3.0 AUTHORITY OF OFFICERS OF TRANSNET

- 3.1 The Contractor shall co-operate with the officers of the network operator and shall comply with all instructions issued and restrictions imposed with respect to the Works which bear on the existence and operation of the network operator's railway lines and high-voltage equipment.
- 3.2 Without limiting the generality of the provisions of clause 3.1, any duly authorised representative of the network operator, having identified himself, may stop the work if, in his opinion, the safe passage of trains or the safety of the network operator's assets or any person is affected. **CONSIDERATIONS OF SAFETY SHALL TAKE PRECEDENCE OVER ALL OTHER CONSIDERATIONS**.

#### 4.0 CONTRACTOR'S REPRESENTATIVES AND STAFF

- 4.1 The Contractor shall nominate Responsible Representatives of whom at least one shall be available at any hour for call-out in cases of emergency. The Contractor shall provide the Contract Supervisor with the names, addresses and telephone numbers of the representatives.
- 4.2 The Contractor guarantees that he has satisfied himself that the Responsible Representative is fully conversant with this specification and that he shall comply with all his chical answer respect thereof.
- 4.3 The Contractor shall ensure that all contractor staff receives relevant awareness, educational and competence training regarding safety as prescribed.

#### 5.0 OCCUPATIONS AND WORK PERMITS

- Work to be done during total occupation or during an occupation between trains or under a work permit shall be done in a manner decided by the Contract Supervisor and at times to suit the network operator requirements.
- 5.2 The Contractor shall organise the Works in man ler which will minimise the number and duration of occupations and work permits required.
- The network operator will not be liable for any mancial or other loss suffered by the Contractor arising from his failure to complete any work scheduled during the period of an occupation or work permit.
- 5.4 The Contractor shall submit to the Contract Supervisor, in writing, requests for occupations or work permits together with details of the work to be undertaken, at least 21 days before they are required. The network operator does not undertake to grant an occupation or work permit for any particular date, time or duration.
- 5.5 The network operator reserves the right to cancel any occupation or work permit at any time before or during the period of occupation or work permit. If, due to cancellation or change in date or time, the Contractor is not permitted to start work under conditions of total occupation or work permit at the time arranged all o sts caused by the cancellation shall be born by the Contractor except as provided for in clauses 5.6 b 5.8.
- When the contractor is notified less than 2 hours before the scheduled starting time that the occupation or work permit is cancelled, he may claim reimbursement of his direct financial losses caused by the loss of working time up to the time his labour and plant are employed on other work, but not exceeding the period of the cancelled occupation or work permit.
- 5.7 When the Contractor is notified less than 2 hours before the scheduled starting time, or during an occupation or work permit, that the duration of the occupation or work permit is reduced, he may claim reimbursement of his direct financial losses caused by the loss of working time due to the reduced duration of the occupation or work permit.
- 5.8 Reimbursement of the Contractor for any loss of working time in terms of clause 5.6 and 5.7, shall be subject to his claims being submitted within 14 days of the event with full details of labour and plant involved, and provided that the Contract Supervisor certifies that no other work on which the labour and plant could be employed was immediately available.
- 5.9 Before starting any work for which an occupation has been arranged, the Contractor shall obtain from the Contract Supervisor written confirmation of the date, time and duration of the occupation.
- 5.10 Before starting any work for which a work permit has been arranged, the Responsible Representative shall read and sign portion C of the Work Permit, signifying that he is aware of the work boundaries within which work may be undertaken. After the work for which the permit was granted has been completed, or when the

work permit is due to be terminated, or if the permit is cancelled after the start, the same person who signed portion C shall sign portion D of the Work Permit, thereby acknowledging that he is aware that the electrical equipment is to be made "live". The Contractor shall advise all his workmen accordingly.

#### 6.0 SPEED RESTRICTIONS AND PROTECTION

- 6.1 When speed restrictions are imposed by the network operator because of the Contractor's activities, the Contractor shall organise and carry out his work so as to permit the removal of the restrictions as soon as possible.
- When the Contract Supervisor considers protection to be necessary the Contractor shall, unless otherwise agreed, provide all protection including flagmen, other personnel and all equipment for the protection of the network operator's and the Contractor's personnel and assets, the public and including trains.
- 6.2.1 The network operator will provide training free of charge of the Contractor's flagmen and other personnel performing protection duties. The Contractor shall consult with the Contract Supervisor, whenever he considers that protection will be necessary, taking into account the minimum permissible clearances set out in the Manual for Track Maintenance (Document no. BBB0481):
  - Drawing no. BE-97 Sheet 1: Horizontal Clearances: 1065mm gauge (Angelure 1/sheet 1)
  - Drawing no. BE-97 Sheet 2: Vertical Clearances: 1065mm gauge (A Texas 1 sheet 2)
  - Drawing no. BE-97 Sheet 3: Clearances: Platform (Annexure 1 sheet)
  - Drawing no. BE-97 Sheet 5: Clearances: 610mm Gauge (Annexus) sheet 5)
- 6.3 The Contractor shall appoint a Responsible Representative to receive and transmit any instruction which may be given by the network operator personnel providing protection.

#### 7.0 ROADS AND ROADS ON THE NETWORK OPERATOR'S PROPERTY

- 7.1 The Contractor shall take every reasonable presqution to prevent damage to any roads or bridges used to obtain access to the site, and shall select routes, use vehicles, and restrict loads so that any extraordinary traffic as may arise from the poving of plant or material to or from the site shall be limited as far as is reasonably possible.
- 7.2 The Contractor shall not occupy of interfere in any way with the free use of any public or private road, right-of-way, path or street unless the Contract Supervisor has obtained the approval of the road authority concerned.

### 8.0 CLEARANCES

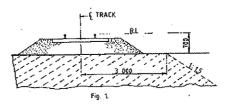
- 8.1 No temporary works that encroach on the appropriate minimum clearances set out in the Manual for Track Maintenance (locament no. BBB0481):
  - Drawing n. B. 7 Sheet 1: Horizontal Clearances: 1065mm gauge (Annexure 1 sheet 1)
  - Dawi g 2. BE-97 Sheet 2: Vertical Clearances: 1065mm gauge (Annexure 1 sheet 2)
  - Drawing no. BE-97 Sheet 3: Clearances: Platform (Annexure 1 sheet 3)
  - Drawing no. BE-97 Sheet 5: Clearances: 610mm Gauge (Annexure 1 sheet 5)

#### 9.0 STACKING OF MATERIAL

9.1 The Contractor shall not stack any material closer than 3m from the centre line of any railway line without prior approval of the Contract Supervisor.

# 10.0 EXCAVATION, SHORING, DEWATERING AND DRAINAGE

10.1 Unless otherwise approved by the Contract Supervisor any excavation adjacent to a railway line shall not encroach on the hatched area shown in Figure 1.



- The Contractor shall provide, at his own cost any shoring, dewatering or drainage of any excavation unless otherwise stipulated elsewhere in the Contract.
- Where required by the Contract Supervisor, drawings of shoring for any excavation under or adjacent to a railway line shall be submitted and permission to proceed, obtained before the excavation is commenced.
- 10.4 The Contractor shall prevent ingress of water to the excavation but where water does enter, he shall dispose of it as directed by the Contract Supervisor.
- 10.5 The Contractor shall not block, obstruct or damage any existing drains either above or below ground level unless he has made adequate prior arrangements to deal with drainage.

#### 11.0 FALSEWORK FOR STRUCTURES

- Drawings of falsework for the construction of any structure over, under or adjacent to any railway line shall be submitted to the Contract Supervisor and his permission to proceed obtained before the falsework is erected. Each drawing shall be given a title and a distinguishing number and shall be signed by a registered professional engineer certifying that he has checked the design of the falsework at that the drawings are correct and in accordance with the design.
- After the falsework has been erected and before any load is applied, the Confactor shall submit to the Contract Supervisor a certificate signed by a registered professional engine. Sertifying that he has checked the falsework and that it has been erected in accordance with the travings. Titles and numbers of the drawings shall be stated in the certificate. Notwithstanding permission given by the Contract Supervisor to proceed, the Contractor shall be entirely responsible for the safety and adequacy of the falsework.

# 12.0 PILING

12.1 The Contract Supervisor will specify the condition, under which piles may be installed on the network operator's property.

#### 13.0 UNDERGROUND SERVICES

- 13.1 No pegs or stakes shall be driven or any excavation made before the Contractor has established that there are no underground services which may be demaged thereby.
- Any damage shall be reported in the ately to the Contract Supervisor, or to the official in charge at the nearest station, or to the traffic controlled in the case of centralised traffic control.

# 14.0 BLASTING AND USE OF EXPLOSIVES

- 14.1 When blasting within 500 n of a railway line, the Contractor shall observe the requirements stipulated in this specification
- 14.2 No blasting half be carried out except with the prior written permission of the Contract Supervisor and under such conditions as he may impose.
- On electrifications the Contractor shall also obtain the permission of the Electrical Officer (Contracts) before blacking and shall give at least 21 days notice of his intention to blast. No blasting shall be done in the vicinity of electrified lines unless a member of the network operator's electrical personnel is present.
- 14.4 The Contractor shall arrange for the supply, transport storage and use of explosives.
- 14.5 The Contractor shall have labour, tools and plant, to the satisfaction of the Contract Supervisor, available on the site to clear immediately any stones or debris deposited on the track or formation by blasting, and to repair any damage to the track or formation immediately after blasting. Repairs to the track shall be carried out only under the supervision of a duly authorised representative of the network operator.
- 14.6 The Contractor shall notify the Contract Supervisor of his intention to blast at least 21 days before the commencement of any blasting operations.
- 14.7 Before any blasting is undertaken, the Contractor and the Contract Supervisor shall jointly examine and measure up any buildings, houses or structures in the vicinity of the proposed blasting to establish the extent of any existing cracking or damage to such structures, etc. The Contractor, shall, subject to the provisions stipulated in the Contract Insurance Policy, make good any deterioration of such buildings, houses, or structures, which, in the opinion of the Contract Supervisor, was directly caused by the blasting.
- 14.8 After completion of the blasting the Contractor shall obtain a written clearance from each landowner in

- the vicinity of the blasting operations to the effect that all claims for compensation in respect of damage caused by the blasting operations to their respective properties, have been settled.
- 14.9 The Contractor shall provide proof that he has complied with the provisions of clauses 10.17.1 to 10.17.4 of the Explosives Regulations (Act 26 of 1956 as amended).
- 14.10 Blasting within 500m of a railway line will only be permitted during intervals between trains. A person appointed by the Contract Supervisor, assisted by flagmen with the necessary protective equipment, will be in communication with the controlling railway station.
  - Only this person will be authorised to give the Contractor permission to blast, and the Contractor shall obey his instructions implicitly regarding the time during which blasting may take place.
- 14.11 The flagmen described in clause14.10, where provided by the network operator, are for the protection of trains and the network operator's property only, and their presence does not relieve the Contractor in any manner of his responsibilities in terms of Explosives Act or Regulations, or any obligation in terms of this Contract.
- 14.12 The person described in clause 14.10 will record in a book provided and retained by the network operator, the dates and times:-
  - (i) when each request is made by him to the controlling station for permission blast
  - (ii) when blasting may take place;
  - (iii) when blasting actually takes place; and
  - (iv) when he advises the controlling station that the line is the for the passage of trains.
- 14.13 Before each blast the Contractor shall record in the Sam book, the details of the blast to be carried out. The person appointed by the Contract Supervisor and be person who will do the blasting shall both sign the book whenever an entry described in clause 1-12 is made.

#### 15.0 RAIL TROLLEYS

- 15.1 The use of rail trolleys or trestle trolleys on a railway line for working on high voltage equipment will be permitted only if approved by the Contract Supervisor and under the conditions stipulated by him.
- 15.2 All costs in connection with troil working and any train protection services requested by the Contractor shall, be borne by the Contractor, unless otherwise agreed.

# 16.0 SIGNAL TRACK CIRCUTS

- Where signal tracts circuits are installed, the Contractor shall ensure that no material capable of conducting an electrical carrent makes contact between rails of railway line/lines.
- 16.2 No signal contections on track-circulted tracks shall be severed without the Contract Supervisor's knowledge and consent.

#### 17.0 PENALTY FOR DELAYS TO TRAINS

17.1 If any thins are delayed by the Contractor and the Contract Supervisor is satisfied that the delay was avoidable, a penalty will be imposed on the Contractor as stipulated in the contract, for the period and number of trains delayed.

#### 18.0 SURVEY BEACONS AND PEGS

- 18.1 The Contractor shall not on any account move or damage any beacon, bench mark, reference mark, signal or trigonometrical station in the execution of the Works without the written approval of the Contract Supervisor.
  - Should the Contractor be responsible for any such occurrence, he shall report the circumstances to the Contract Supervisor who will arrange with the Director-General of Surveys for replacement of the beacon or mark at the cost of the Contractor.
- 18.2 The Contractor shall not move or damage any cadastral or mining beacon without the written approval of the Contract Supervisor and before it has been referenced by a registered land surveyor. Any old boundary beacon, which becomes an internal beacon on creation of new boundaries, shall not be moved without the written approval of the Contract Supervisor.

- Should the Contractor move or damage any cadastral or mining beacon without authority, he shall be responsible for having it replaced, at his cost, by a land surveyor.
- 18.3 The Contractor shall preserve all pegs and bench marks. Such survey points shall not be removed without the written approval of the Contract Supervisor. Should any peg or benchmark be removed without authority, the Contract Supervisor will arrange for its replacement and the cost will be recovered from the Contractor. No claim will be considered for delay in replacing any such peg or bench mark. Each peg replaced shall be checked by the Contractor.
- 18.4 Where a new boundary has been established, beacons on the fence line shall not be disturbed, and fence posts or anchors may not be placed or excavations made within 0,6 m of any beacon without the prior written approval of the Contract Supervisor.

#### 19.0 TEMPORARY LEVEL CROSSINGS

- The Contract Supervisor may, on request of the Contractor, and if necessary for the purpose of execution of the Works, permit the construction of a temporary level crossing over a rail way a line at a position approved by the Contract Supervisor and at the Contractor's cost. The period or which the temporary level crossing is permitted will be at the discretion of the Contract Supervisor.
- 19.2 The Contractor will provide protection and supervise the construction of the load over the track(s) and within the railway servitude at the level crossing, as well as the enction of all road signs and height gauges. All cost to be borne by the applicant.
  - The Contractor shall exercise extreme caution in carrying out the work, especially in respect of damage to tracks, services, overhead power and communications outes and prevent contact with "live" overhead electrical equipment.
  - Unless otherwise agreed, the Contractor will provide the service deviations or alterations to the network operator's track-, structure-, drainage-, electrical-, less communications- and train authorisation systems to accommodate the level crossing.
- 19.3 The Contractor shall take all necessary steps including the provision of gates, locks and, where necessary, watchmen to restrict the use of the temporary level crossing to himself and his employees, his subcontractors and their employees the staff of the network operator and to such other persons as the Contract Supervisor may permit the 6 (whose identity the Contractor will be advised. If so ordered by the Contract Supervisor, the Contractor shall provide persons to control road traffic using the temporary level crossing. Such persons shall stop all road traffic when any approaching train is within seven hundred and fifty (750) metres of the temporary level crossing, and shall not allow road traffic to proceed over it until the lines are clear.
- 19.4 The Contractor shall maintain the temporary level crossing within the railway servitude in good condition for the period it is in use. A temporary agreement with the road authority to be concluded for the maintenance of the level crossing outside the railway servitude.
- 19.5 When the 'emperary level crossing is no longer required by the Contractor, or permitted by the network operato, the Contractor shall at his own cost remove it and restore the site and the network operator's track, structure-, drainage-, electrical-, telecommunications- and train authorisation systems to its original condition. Work over the tracks and within the railway servitude will be supervised by the network operator.

#### 20.0 COMPLETION OF THE WORKS

20.1 On completion of the works, the Contractor shall remove all the remaining construction plant and material from the site, other than material which is the property of the network operator, and leave the site in a clean, neat and tidy condition. If material and plant is required for the liability and maintenance period the Contract supervisor must authorise it's retention on site.

#### 21.0 PROTECTION OF PERSONS AND PROPERTY

21.1 The Contractor shall provide and maintain all lights, guards, barriers, fencing and watchmen when and where necessary or as required by the Contract Supervisor or by any statutory authority, for the protection of the Works and for the safety and convenience of the public.

Red, yellow, green or blue lights may not be used by the Contractor as they can be mistaken for signals. Red, yellow, green or white flags shall only be used for protection by the Contractor. Within the precincts of a port the Contractor shall obtain the permission of the Port Captain before installing any light.

- 21.2 The Contractor shall take all the requisite measures and precautions during the course of the Works to:
  - (i) protect the public and property of the public,
  - (ii) protect the property and workmen of both the network operator and the Contractor,
  - (iii) avoid damage to and prevent trespass on adjoining properties, and
  - (iv) ensure compliance with any instruction issued by the Contract Supervisor or other authorised person, and with any stipulation embodied in the contract documents which affects the safety of any person or thing.
- 21.3 The network operator will provide, at its own cost, protection for the safe working of trains during such operations as the Contract Supervisor may consider necessary. Protection by the network operator for any purpose whatsoever, does not absolve the Contractor of his responsibilities in terms of the Contract.
- 21.4 The Contractor shall take all precautions and appoint guards, watchmen and compound managers for prevention of disorder among and misconduct by the persons employed on the Works and by any other persons, whether employees or not, on the work site and for the preservation of the peace and protection of persons and property in the direct neighbourhood. Any relocation of camps because of disorder shall be at the Contractor's expense.
- 21.5 All operations necessary for the execution of the Works, including the provision of any temporary work and camping sites, shall be carried out so as not to cause veld fires, wound and environmental pollution, soil erosion or restriction of or interference with streams, furrows drains and water supplies.
  - If the original surface of the ground is disturbed in connection with the Works, it shall be made good by the Contractor to the satisfaction of the land owner, a suple or responsible authority.
- 21.6 The Contractor shall take all reasonable steps to marmise noise and disturbance when carrying out the Works, including work permitted outside normal working hours.
- 21.7 Dumping of waste or excess materials by the Contractor shall, in urban areas, be done under the direction and control of, and at sites made available by the local authority. Dumping outside local authority boundaries shall be done only with the express permission and under the direction and control of the Contract Supervisor.
- 21.8 The Contractor shall comply with any numerical protection measures and specifications stipulated by the Contract Supervisor and/or local and environmental authorities.

# 22.0 INTERFERENCE WITH THE NETWORK OPERATOR'S ASSETS AND WORK ON OPEN LINES

- 22.1 The Contractor shall not interfere in any manner whatsoever with an open line, nor shall he carry out any work or perform any which affects the security, use or safety of an open line except with the authority of the Contract Supervisor and in the presence of a duly authorised representative of the network operator
- 22.2 The contractor shall not carry out any work or operate any plant, or place any material whatsoever nearly han three metres from the centre line of any open line except with the written permission of the Contract Supervisor and subject to such conditions as he may impose.
- 22.3 Care must be taken not to interfere with or damage any services such as overhead wire routes, cables or pipes and optical fibre cable, except as provided for the work specified. The Contractor will be held responsible for any damage to or interruption of such services arising from any act or omission on his part or of any of his employees, or persons engaged by him on the Works. The cost of repairing, replacing or restoring the services, as well as all other costs arising from any damage to services, shall be borne by, and will be recovered from the Contractor.
- 22.4 Authority granted by the Contract Supervisor and the presence of an authorised representative of the network operator in terms hereof, shall not relieve the Contractor of his duty to comply with this specification.

#### 23.0 ACCESS, RIGHTS-OF-WAY AND CAMPSITES

- 23.1 Where entry onto the network operator's property is restricted, permission to enter will be given only for the purpose of carrying out the Works and will be subject to the terms and conditions laid down by the network operator.
- 23.2 The Contractor shall arrange for campsites, workplaces and access thereto as well as for any right-of-

way over private property to the site of the Works, and for access within the boundaries of the network operator's property. The owners of private property to be traversed shall be approached and treated with tact and courtesy by the Contractor, who shall, if necessary, obtain a letter of introduction to such property owners from the Contract Supervisor.

The Contractor shall be responsible for the closing of all gates on roads and tracks used by him or his employees. Except with the prior approval of the Contract Supervisor and the owner or occupier of any private land to be traversed, the Contractor shall not cut, lower, damage, remove or otherwise interfere with any fence or gate which is either on the network operator's property or on private property and which restricts access to the Works. Where such approval has been given, the Contractor shall prevent entry of animals or unauthorised persons onto the network operator's or private property, and shall make the fences safe against trespass at the close of each day's work.

- 23.3 The Contractor shall take all reasonable steps to confine the movement of vehicles and plant to the approved right-of-way to minimise damage to property, crops and natural vegetation.
- 23.4 When access is no longer required, and before completion of the Works, the Contractor shall repair, restore or replace any fence or gate damaged during execution of the Works to the satisfaction of the Contract Supervisor and shall furnish the Contract Supervisor with a certificate signed by the owner and occupier of land over which he has gained access to a campsite work lace and the Works, certifying that the owner and occupier have no claim against the Contractor of the Letwork operator arising from the Contractor's use of the land. Should the Contractor be unable to obtain the required certificate, he shall report the circumstances to the Contract Supervisor.

#### 24.0 SUPERVISION

- 24.1 The Contract Supervisor will provide overall technical superstendence of the Works, and may direct the Contractor in terms of the provisions of the Contractor in respect of any measures which the Contract Supervisor may require for the operations of the network operator, the safety of trains, property and workmen of the network operator, and for the safety of other property and persons. The Contractor shall carry out the directions of the Contract Supervisor. The superintendence exercised by the Contract Supervisor, including any agreement, approval, refusal or withdrawal of any approval given, shall not relieve the Contractor of any of his duties and liabilities under the Contract, and shall not imply any assumption by the network operator or by the Contract Supervisor of the legal and other responsibilities of the Contractor in carrying out the Works.
- 24.2 The Contract Supervisor may delegate to any deputy or other person, any of his duties or functions under the Contract. On receiting office in writing of such delegation, the Contractor shall recognise and obey the deputy or person to whom any such duties or functions have been delegated as if he were the Contract Supervisor.
- 24.3 The Contractor shall exercise supervision over the Works at all times when work is performed or shall be represented by an agent having full power and authority to act on behalf of the Contractor. Such agent shall be competent and responsible, and have adequate experience in carrying out work of a similar naturation the works, and shall exercise personal supervision on behalf of the Contractor. The Contract Supervisor shall be notified in writing of such appointment which will be subject to his approval.
- 24.4 The Contractor or his duly authorised agent shall be available on the site at all times while the Works are in progress to receive the orders and directions of the Contract Supervisor.

#### 25.0 HOUSING OF EMPLOYEES

- 25.1 The Contractor shall, where necessary, make his own arrangements for suitable housing of his employees. Where temporary housing is permitted by the Contract Supervisor on any part of the site, the Contractor shall provide suitable sanitation, lighting and potable water supplies in terms of the requirements of the local authority or the current network operator's specification; Minimum Communal Health Requirements in Areas outside the Jurisdiction of a Local Authority E.4B, as applicable.
- 25.2 Fouling the area inside or outside the network operator's boundaries shall be prevented. The Contractor will be called upon by the Contract Supervisor to dispose of any foul or waste matter generated by the Contractor.

#### 26.0 OPTICAL FIBRE CABLE ROUTES

- 26.1 The Contractor shall not handle, impact, move or deviate any optical fibre cable without prior approval.
- 26.2 Works that in any way affect the optical fibre cable requires prior approval from the Contract Supervisor

who will determine the work method and procedures to be followed.

PREVILLING CORY ONLY

#### PART B - SPECIFICATION FOR WORK NEAR HIGH-VOLTAGE ELECTRICAL EQUIPMENT

#### 27.0 GENERAL

- 27.1 This specification is based on the contents of Transnet's publication ELECTRICAL SAFETY INSTRUCTIONS, as amended, a copy of which will be made available on loan to the Contractor for the duration of the contract.
  - These instructions apply to all work near "live" high-voltage equipment maintained and/or operated by the network operator, and the onus rests on the Contractor to ensure that he obtains a copy.
- 27.2 This specification must be read in conjunction with and not in lieu of the Electrical Safety Instructions.
- 27.3 The Contractor's attention is drawn in particular to the contents of Part I, Sections 1 and 2 of the Electrical Safety Instructions.
- 27.4 The Electrical Safety Instructions cover the minimum safety precautions which must be taken to ensure safe working on or near high-voltage electrical equipment, and must be observed at all times. Should additional safety measures be considered necessary because of peculiar local conditions, these may be ordered by and at the discretion of the Electrical Officer (Contracts).
- 27.5 The Contractor shall obtain the approval of the Electrical Officer (Contracts) efore any work is done which causes or could cause any portion of a person's body or the could be is using or any equipment he is handling, to come within 3 metres of any "live" high-voltage equipment.
- 27.6 The Contractor shall regard all high-voltage equipment as "I ve" unless a work permit is in force.
- 27.7 Safety precautions taken or barriers erected shall paraply with the requirements of the Electrical Officer (Contracts), and shall be approved by him before the work to be protected is undertaken by the Contractor. The Contractor shall unless otherwise agreed, beautic cost of the provision of the barriers and other safety precautions required, including the attendance of the letwork operator's staff where this is necessary.
- 27.8 No barrier shall be removed unless authorised by the Electrical Officer (Contracts).

#### 28.0 WORK ON BUILDINGS OR FIXED STRUCTURES

- 28.1 Before any work is carried out of measurements are taken on any part of a building, fixed structure or earthworks of any kind above ground level situated within 3 metres of "live" high-voltage equipment, the Electrical Officer (Contracts) shall be consulted to ascertain the conditions under which the work may be carried out.
- 28.2 No barrier erected to comply with the requirements of the Electrical Officer (Contracts) shall be used as temporary staging a shuttering for any part of the Works.
- 28.3 The shuttering for bridge piers, abutments, retaining walls or parapets adjacent to or over any track may be permitted to serve as a barrier, provided that it extends at least 2,5 metres above any working level in the case of parapet.

#### 29.0 WORK DONE ON OR OUTSIDE OF ROLLING STOCK, INCLUDING LOADING OR UNLOADING

- 29.1 No person may stand, climb or work, whilst on any platform, surface or foothold:
- 29.1.1 higher than the normal unrestricted access way, namely -
- 29.1.1.1 external walkways on diesel, steam and electric locomotives, steam heat vans, etc. and
- 29.1.1.2 walkways between coaches and locomotives.
- 29.1.2 of restricted access ways in terms of the Electrical Safety Instructions namely -
- 29.1.2.1 the floor level of open wagons
- 29.1.2.2 external walkways or decks of road-rail vehicles, on-track maintenance machines and material trains.
- 29.1.3 Unauthorised staff working on these platforms must be directly supervised by duly authorised persons in terms of clause 607.1.3 of the Electrical Safety Instructions. These persons must attend the relevant electrical safety module training. A letter of training must then be issued by an accredited training authority. A Category C Certificate of Authority must be obtained from the

local depot examining officer.

- 29.2 When in the above positions no person may raise his hands or any equipment he is handling above his head.
- 29.3 In cases where the Contractor operates his own rail mounted equipment, he shall arrange for the walkways on this plant to be inspected by the Electrical Officer (Contracts) and approved, before commencement of work.
- 29.4 The handling of long lengths of material such as metal pipes, reinforcing bars, etc should be avoided, but if essential they shall be handled as nearly as possible in a horizontal position below head height.
- 29.5 The Responsible Representative shall warn all persons under his control of the danger of being near "live" high-voltage equipment, and shall ensure that the warning is fully understood.
- 29.6 Where the conditions in clauses 30.1 to 30.4 cannot be observed the Electrical Officer (Contracts), shall be notified. He will arrange for suitable Safety measures to be taken. The Electrical Officer (Contracts), may in his discretion and in appropriate circumstances, arrange for a suitable empty, of the Contractor to be specially trained by the network operator and at the Contractor's cost, as an Authorised Person to work closer than 3 metres from "live" overhead conductors and under such conditions as may be imposed by the senior responsible electrical engineer of the network operator.

#### 30.0 USE OF EQUIPMENT

- 30.1 Measuring Tapes and Devices
- 30.1.1 Measuring tapes may be used near "live" high-voltage equipment provided that no part of any tape or a person's body comes within 3 metres of the "live" equipment.
- 30.1.2 In windy conditions the distance shall be increased to insure that if the tape should fall it will not be blown nearer than 3 metres from the "live" high-voltage equation.
- 30.1.3 Special measuring devices longer than 2 metres such as survey sticks and rods may be used if these are of non-conducting material and approved by the responsible Electrical Engineer of the network operator, but these devices must not be used within 3 metres of "live" high-voltage equipment in rainy or wet conditions.
- 30.1.4 The assistance of the Electrical Chisel (Contracts) shall be requested when measurements within the limits defined in clauses 31.1.1 to 31.1.3 are required.
- 30.1.5 The restrictions described in 31.1.1 to 31.1.3 do not apply on a bridge deck between permanent parapets nor in other situations where parties effectively prevents contact with the "live" high-voltage equipment.
- 30.2 Portable Ladders
- 30.2.1 Any type of partable ladder longer then 2 metres may only be used near "live" high-voltage equipment under the direct cyper ision of the Responsible Representative. He shall ensure that the ladder is always used in such a transfer that the distance from the base of the ladder to any "live" high-voltage equipment is greater than the viextended length of the ladder plus 3 metres. Where these conditions cannot be observed, the Electrical Officer (Contracts) shall be advised, and he will arrange for suitable safety measures to be taken.

# 31.0 CARRYING AND HANDLING MATERIAL AND EQUIPMENT

- 31.1 Pipes, scaffolding, iron sheets, reinforcing bars and other material which exceeds 2 metres in length shall be carried completely below head height near "live" high-voltage equipment. For maximum safety such material should be carried by two or more persons so as to maintain it as nearly as possible in a horizontal position. The utmost care must be taken to ensure that no part of the material comes within 3 metres of any "live" high-voltage equipment.
- 31.2 Long lengths of wire or cable shall never be run out in conditions where a part of a wire or cable can come within 3 metres of any "live" high-voltage equipment unless the Electrical Officer (Contracts) has been advised and has approved appropriate safety precautions.
- The presence of overhead power lines shall always be taken account of especially when communications lines or cables or aerial cables, stay wires, etc. are being erected above ground level.

#### 32.0 PRECAUTIONS TO BE TAKEN WHEN ERECTING OR REMOVING POLES, ANTENNAE, TREES ETC.

32.1 A pole may be handled for the purpose of erection or removal near high-voltage equipment under the following conditions:

- (i) If the distance between the point at which the pole is to be erected or removed and the nearest "live" high-voltage equipment is more than the length of the pole plus 3 metres, the work shall be supervised by the Responsible Representative.
- (ii) If the distance described in (i) is less than the length of the pole plus 3 metres, the Electrical Officer (Contracts) shall be consulted to arrange for an Authorised Person to supervise the work and to ensure that the pole is earthed where possible. The pole shall be kept in contact with the point of erection, and adequate precautions shall be taken to prevent contact with "live" high-voltage equipment.
- 32.2 The cost of supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.
- 32.3 The provisions of clauses 33.1 and 33.2 shall also apply to the erection or removal of columns, antennae, trees, posts, etc.

#### 33.0 USE OF WATER

33.1 No water shall be used in the form of a jet if it can make contact with any "live" by h-voltage equipment or with any person working on such equipment.

#### 34.0 USE OF CONSTRUCTION PLANT

- 34.1 "Construction plant" entails all types of plant including cranes, pilits frames, boring machines, excavators, draglines, dewatering equipment and road vehicles with or without lifting equipment.
- When work is being undertaken in such a position that it is tossible to construction plant or its load to come within 3 metres of "live" high-voltage equipment, the Electrical Officer (Contracts) shall be consulted. He will arrange for an Authorised Person to supervise the work and to ensure that the plant is adequately earthed. The Electrical Officer (Contracts) will decide whether further safety measures are necessary.
- 34.3 The cost of any supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.
- When loads are handled by cranes, non-netallic rope hand lines shall be used, affixed to such loads so as to prevent their swinging and coming within the etres of "live" high-voltage equipment.
- 34.5 Clauses 35.1 to 35.4 shall apply **Retain mutandis** to the use of maintenance machines of any nature.

# 35.0 WORK PERFORMED UNDER DEAD CONDITIONS UNDER COVER OF A WORK PERMIT

- 35.1 If the Responsible Representative finds that the work cannot be done in safety with the high-voltage electrical equipment live, he shall consult the Electrical Officer (Contracts) who will decide on the action to be taken.
- 35.2 If a work per of is sued the Responsible Representative shall-
  - (i) befor common ement of work ensure that the limits within which work may be carried out have been explained to him, and that he fully understands the e lii its.
  - (ii) sign portion C of the permit before commencement of work;
  - (iii) explain to all persons under his control the limits within which work may be carried out, and ensure that they fully understand these limits;
  - (iv) care for the safety of all persons under his control whilst work is in progress; and
  - (v) withdraw all personnel under his control from the equipment on completion of the work before he signs portion D of the work permit.

#### 36.0 TRACTION RETURN CIRCUITS IN RAILS

- 36.1 DANGEROUS CONDITIONS CAN BE CREATED BY REMOVING OR SEVERING ANY BOND.
- 36.2 Broken rails with an air gap between the ends, and joints at which fishplates are removed under "broken bond" conditions, are potentially lethal. The rails on either side of an air gap between rail ends on electrified lines shall not be touched simultaneously until rendered safe by the network operator personnel.
- 36.3 The Contractor shall not break any permanent bonds between rails or between rails and any structure. He shall give the Contract Supervisor at least 7 days written notice when removal of such bonds is necessary.

36.4 No work on the track which involves interference with the traction return rail circuit either by cutting or removing the rails, or by removal of bonds shall be done unless the Electrical Officer (Contracts) is consulted. He will take such precautions as may be necessary to ensure continuity of the return circuit before permitting the work to be commenced.

# 37.0 HIGH-VOLTAGE ELECTRICAL EQUIPMENT NOT MAINTAINED AND/OR OPERATED BY THE NETWORK OPERATOR

**END** 

Where the work is undertaken on or near high-voltage electrical equipment which is not maintained and/or operated by the network operator, the Occupational Health and Safety Act No. 85 of 1993, and Regulations and Instructions, or the Mines Health and Safety Act (Act 29 of 1996), shall apply.

Such equipment includes:-

- (i) Eskom and municipal equipment;
- (ii) The Contractor's own power supplies; and
- (iii) Electrical equipment being installed but not yet taken over from the Contractor.

# HORIZONTAL CLEARANCES : 1 065mm TRACK GAUGE

ANNEXURE 1 SHEET 1 of 5

MAY BE REDUCED BY 300mm.

00t 00+ 9 040 930 3 000 098 E PROFILE / 1 000 H AND  $_{
m B}$  IS THE REDUIRED HORIZONTAL CLEARANCE ON THE HIGH LEG OF THE CURVE BASED ON MAXIMUM  $_{
m CAN}$  L AND  $_{
m C}$  IS THE REQUIRED HORIZONTAL CLEARANCE ON THE LOW LEG OF THE CURVE BASED ON MAXIMUM CAN 8 TRACK ELECTRIFICATION ZONE RAIL LEVEL-LOW LEG DASHED LINE SEE NOTE 7 ANNEXURE 1 SHT 2 POINTS INSIDE FOR FOULING FWPORAR 900 70 1 920 1 850 9 C (mm) 1 950 1 900 890 875 1 830 1 790 1 750 1 730 1 700 9 SAN ¥ EE¥ 140 1 175 230 250 270 320 340 365 415 900 290 380 200 440 200 1 205 1 190 SAN 460 2 700 999 2 630 80 560 540 530 2 520 480 470 780 750 580 2 510 500 490 490 89 ¥ ဝ္ N N ~ N ~ N N ~ N ~ N I 2 970 920 870 2 680 2 660 2 620 200 470 460 (au) 8 030 820 790 760 730 2 710 900 580 550 Š ď N N ~ 2 ~ ď N ~ (<u>ww</u>) 460 2 500 480 2 470 730 2 700 650 820 590 570 550 540 530 520 510 490 88 480 480 M 7 N 4 ~ ~ r N N 0 Ø N ~ ~ ~ N N REMARKS: 200 900 80 3 000 250 350 400 200 300 000 8 RADIUS 8 100 120 140 170 8 1 200 200  $\widehat{\boldsymbol{\varepsilon}}$ Š

INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.

FOR WORKSHOP AREAS AND TEMPORARY WORK, CLEARANCES SEE ANNEXURE 1 SHEET 3 FOR PLATFORM CLEARANCES.

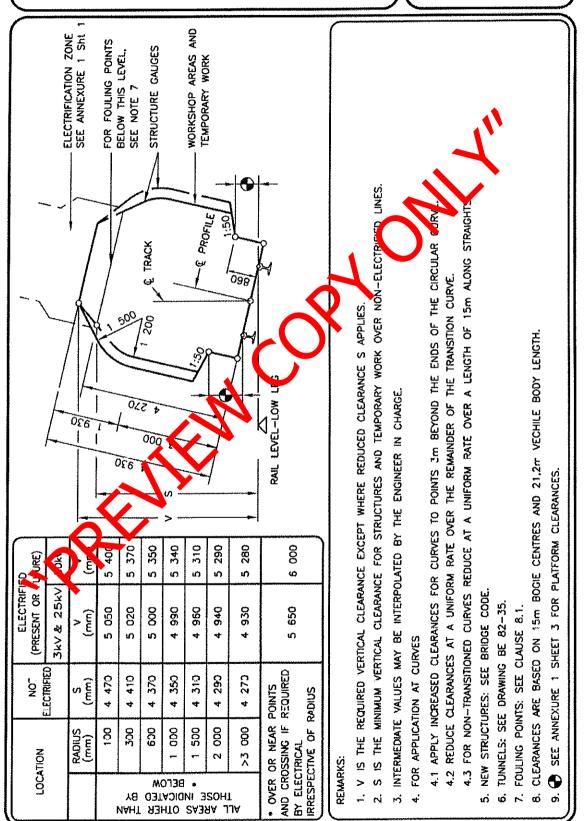
ALSO REFER TO REMARKS 4 TO 8 OF ANNEXURE 1 SHEET 2.

SMALLER RADIUS IF RADIUS INBETWEEN

3 6 7

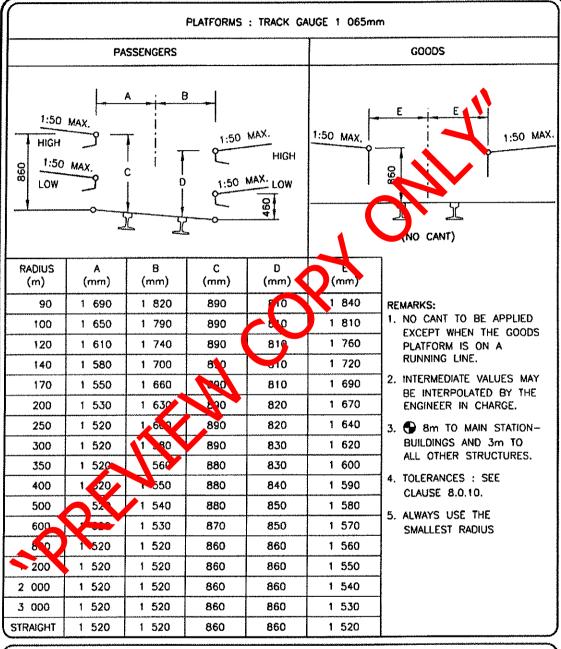
# VERTICAL CLEARANCES: 1 065mm TRACK GAUGE

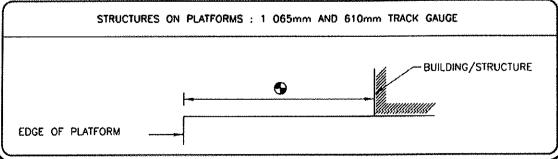
ANNEXURE 1 SHEET 2 of 5



CLEARANCES: PLATFORMS

ANNEXURE 1 SHEET 3 of 5





BE 97-01 Sht 3 Version 1

CLEARANCES: 610mm TRACK GAUGE of 5 SHEET 5 1 320 1 320 310 360 350 330 1 550 460 1 430 1 390 1 380 1 510 1 410 1 370 (mm) 570 STRUCTURE GAUGE 3 050 STRAIGHT 140 200 250 1 000 RADIUS (m) 170 >2 000 8 120 8 S 8 8 g R1 220 - & PROFILE 4.3 FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 18th ALONG STRAIGHTS. 4.1 APPLY INCREASED CLEARANCES FOR CURVES TO POINTS 2m BEYOND THE ENDS OF THE CIRCULAR CURVE. 4.2 REDUCE CLEARANCES AT A UNIFORM RATE OVER THE REMAINDER OF THE TRANSITION CURVE. C TRACK IS THE MINIMUM HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT. IS THE MINIMUM HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT. CLEARANCES CLEARANCES ARE BASED ON 9 700mm BOGIE CENTRES AND 13 700mm VEHICLE BODY LENGTH. 0.9 I 099 PLATFORMS ž INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE. ALSO REFER TO REMARKS 5, 6 AND 7 OF ANNEXURE 1 SHEET 2. SEE ANNEXURE 1 SHEET 3 FOR STRUCTURES ON PLATFORMS. (NO CANT) 19 4 300 4 290 4 270 **270** 4 270 ō 2300 4 31 4 IS THE MINIMUM VERTICAL CLEARANCE. NO CANT 160 2 330 90 2 170 2 280 2 250 2 220 200 180 2 400 \_ % (EE) 7 ~ ď 0 FOR APPLICATION AT CURVES: MAX. **PASSENGERS** 2 160 2 300 2 270 2 230 2 200 2 170 2 420 2 370 2 340 2 490 Ê 1:50 WITH CANT 2 370 180 2 170 2 170 160 2 310 2 220 2 200 2 190 2 260 ± (E 920 N 8 REMARKS 100 300 200 700 1 000 140 200 >2 000 RADIUS က္တ 2 r  $\widehat{\boldsymbol{\varepsilon}}$ 

ANNEXURE 1