



freight rail

Transnet Freight Rail a Division of Transnet SOC Ltd. (Reg. No. 1990/000900/30), invites all interested parties to respond to a request for quotation (RFQ) as indicated below:

All tenders should be submitted on the appropriate tender forms in a sealed envelope. The envelope must indicate the RFQ number, full description and closing date and should be deposited in the tender box before 10h00 on the closing date of the tender/s.

If delivered by hand, the Tender submissions must be addressed to Supply Chain Services, Admin Support, Tender Box, Office No. 2, Real Estate Management Building, Austen Street, Beaconsfield, Kimberley.

ISSUE OF DOCUMENTS - RFQ document will only be available from **13 July 2015** until **22 July 2015 [15:00]** at Transnet Freight Rail, Supply Chain Services, Office No. 2, Real Estate Management Building, Austen Street, Beaconsfield, Kimberley. **Please note that RFQ document can be e-mailed or physically collected on request / arrangement prior to cut off time from Ms. Leonie Visagie.**

Tenders can be viewed on the website (<http://www.transnetfreightrail.tfr.net/Supplier/Page.aspx>)

***Tenderers are advised to confirm their attendance beforehand with Leonie Visagie Tel: 053 838 3119 or E-mail: Leonie.Visagie@transnet.net respectively.**

RFQ NUMBER	KBY/53693
SCOPE OF WORK	Chemical control of vegetation in yards by means of herbicides for a period of two (2) years.
REQUIRED AT	Transcape-Kamfersdam, Kamfersdam-Beaconsfield, Kamfersdam-Hotazel
	<p>→ A COMPULSORY INFORMATION MEETING WILL BE HELD AT:</p> <p>→ Real Estate Management Building, Ground Floor Boardroom, Austen Street, Beaconsfield, Kimberley</p>
BRIEFING DATE	DATE: 23/07/2015 at 10:00 (Companies not attending the compulsory tender briefing / site meeting will be overlooked during the award process.)
TENDER FEE	NO CHARGE
COMPULSORY	<u>Safety boots, reflective jackets and site visit</u>
CLOSING DATE	Tuesday, 04 August 2015 at Kimberley
CLOSING TIME	10:00
For technical queries contact:	Me. L.K. Matlala (Legoadi), Tel: 053-838 3148 / 071 265 9470

Ref. CW

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

TRANSNET



freight rail

A Division of Transnet SOC Limited Registration number 1990/00900/30

**REQUEST FOR
QUOTATION
KBY/53693**

KBC_18217

**CHEMICAL CONTROL OF VEGETATION IN YARDS BY
MEANS OF HERBICIDES FOR KIMBERLEY NORTH**

Supply Chain Services
TRANSNET FREIGHT RAIL
Austen Street
KIMBERLEY
8301



TRANSNET FREIGHT RAIL, a division of

TRANSNET SOC LTD

Registration Number 1990/000900/30

[hereinafter referred to as **Transnet**]

REQUEST FOR QUOTATION [RFQ] No KBY/53693

**CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS**

DELIVERY TO: RAIL NETWORK KIMBERLEY NORTH

ISSUE DATE: 10 JULY 2015

CLOSING DATE: 4 AUGUST 2015

CLOSING TIME: 10:00

SITE MEETING: 23 JULY 2015 AT 10:00

**REM BOARDROOM, ASUTEN STREET, BEACONSFIELD
KIMBERLEY**

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

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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: TENDER BOX
CLOSING VENUE: THE TENDER BOX, ROOM 1, SUPPLY CHAIN SERVICES OFFICE, REAL ESTATE
MANAGER'S BUILDING AUSTEN STREET, BEACONSFIELD, KIMBERLEY, 8315

1 Responses to RFQ

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

2 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. As described in more detail in the attached B-BBEE Claim Form Transnet will allow a "preference" to companies who provide a valid B-BBEE Verification Certificate.

The value of this bid is estimated to exceed R1 000 000 (all applicable taxes included); and therefore the **90/10** system shall be applicable.

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

Note: Failure to submit a valid and original B-BBEE certificate or a certified copy thereof at the closing date of this RFQ will result in a score of zero being allocated for B-BBEE.

3 Communication

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.

A Respondent may, however, before the closing date and time, direct any written enquiries relating to the RFQ to the following Transnet employee:

Name: CHRISTOPHER WILLIAMS Email: CHRISTOPHER.WILLIAMS@TRANSNET.NET
Telephone: 053 838 3477

Respondents may also, at any time after the closing date of the RFQ, communicate with the Secretariat of the Transnet Acquisition Council on any matter relating to its RFQ response:

Telephone 011 308 3528 Email: TAC.SECRETARIAT@transnet.net

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

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4 Legal Compliance

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

5 Changes to Quotations

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

6 Pricing

All prices must be quoted in South African Rand on a fixed price basis, excluding VAT.

7 Prices Subject to Confirmation

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

8 Binding Offer

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

9 Disclaimers

Transnet 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 or an alternative bid;
- 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 should it at Transnet's discretion be more advantageous in terms of, amongst others, cost or developmental considerations ;
- or
- make no award at all.

Should a contract be awarded on the strength of information furnished by the Respondent, which after conclusion of the contract, is proved to have been incorrect, Transnet reserves the right to cancel the contract.

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

Transnet reserves the right to conduct Post Tender Negotiations (PTN) with selected Respondents or any number of short-listed Respondents, such PTN to include, at Transnet's discretion, any evaluation criteria listed in the RFQ document.

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

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Should the preferred bidder fail to sign or commence with the contract within a reasonable period after being requested to do so, Transnet reserves the right to award the business to the next highest ranked bidder, provided that he/she is still prepared to provide the required goods at the quoted price.

10 Specification/Scope of Work

Transnet urges its clients, suppliers and the general public to report any fraud or corruption to

TIP-OFFS ANONYMOUS : 0800 003 056

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CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

**CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS**

ISSUE DATE: 10 JULY 2015
CLOSING DATE: 4 AUGUST 2015
CLOSING TIME: 10:00
**CLOSING VENUE: THE TENDER BOX, ROOM 1, SUPPLY CHAIN SERVICES
OFFICE, REAL ESTATE MANAGER'S BUILDING AUSTEN
STREET, BEACONSFIELD, KIMBERLEY, 8315**

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CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

SECTION 2
EVALUATION CRITERIA AND RETURNABLE DOCUMENTS

1 EVALUATION CRITERIA

2 TRANSNET WILL UTILISE THE FOLLOWING CRITERIA [NOT NECESSARILY IN THIS ORDER] IN CHOOSING A SUPPLIER/SERVICE PROVIDER, IF SO REQUIRED:

Criterion/Criteria	Explanation
Administrative responsiveness	Completeness of response and returnable documents
Substantive responsiveness	Prequalification criteria, if any, must be met and whether the Bid materially complies with the scope and/or specification given.
Final weighted evaluation based on 80/20 preference point	<ul style="list-style-type: none"> Pricing and price basis [firm] B-BBEE status of company - Preference points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table indicated in Annexure A: B-BBEE Claim Form.

3 Validity Period

Transnet desires a validity period of 90 [NINETY] Business Days from the closing date of this RFQ.
This RFQ is valid until _____.

4 Disclosure of Prices Quoted

Respondents must indicate here whether Transnet may disclose their quoted prices and conditions to other Respondents:

YES NO

5 Returnable Documents

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below.

All Returnable Sections, as indicated in the header and footer of the relevant pages, must be signed, stamped and dated by the Respondent.

a) Respondents are required to submit with their Quotations the **mandatory Returnable Documents**, as detailed below.

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

Failure to provide all these Mandatory Returnable Documents at the Closing Date and time of this RFQ will result in a Respondent's disqualification. Respondents are therefore urged to ensure that all these Documents are returned with their Quotations.

Please confirm submission of these mandatory Returnable Documents by so indicating [Yes or No] in the tables below:

Mandatory Returnable Documents	Submitted [Yes or No]
SECTION 3 : Quotation Form	

b) In addition to the requirements of section (a) above, Respondents are further required to submit with their Quotations the following **essential Returnable Documents** as detailed below.

Failure to provide all these Returnable Documents may result in a Respondent's disqualification. Respondents are therefore urged to ensure that all these documents are returned with their Quotations.

Essential Returnable Documents	Submitted [Yes or No]
SECTION 2 - Evaluation criteria and list of returnable documents	
- SECTION 4 - RFQ Declaration and Breach of Law Form	
- valid and original, or a certified copy, of your entity's B-BBEE Verification Certification as per the requirements stipulated in Annexure A: B-BBEE Claims Form Note: failure to provide these required documents at the closing date and time of the RFQ will result in an automatic score of zero being allocated for preference	
- Original valid Tax Clearance Certificate [Consortia / Joint Ventures must submit a separate Tax Clearance Certificate for each party]	
ANNEXURE A – B-BBEE Preference Points Claim Form	
- Letter of Good Standing from the Department of Labour	

CONTINUED VALIDITY OF RETURNABLE DOCUMENTS

The successful Respondent will be required to ensure the validity of all returnable documents, including but not limited to its Tax Clearance Certificate and valid B-BBEE Verification Certificate, for the duration of any contract emanating from this RFQ. Should the Respondent be awarded the contract [**the Agreement**] and fail to present Transnet with such renewals as and when they become due, Transnet shall be entitled, in addition to any other rights and remedies that it may have in terms of the eventual Agreement, to terminate such

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

Agreement forthwith without any liability and without prejudice to any claims which Transnet may have for damages against the Respondent.

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CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

SECTION 3
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 RFQ Terms and Conditions for the Supply of Goods or Services to Transnet; and
- any other standard or special conditions mentioned and/or embodied in this Request for Quotation.

I/We accept that unless Transnet should otherwise decide and so inform me/us, this Quotation [and, if any, its covering letter and any subsequent exchange of correspondence], together with Transnet's acceptance thereof shall constitute a binding contract between Transnet and me/us.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fail to deliver the said goods/service/s within the delivery lead-time quoted, Transnet may, without prejudice to any other legal remedy which it may have, cancel the order and recover from me/us any expenses incurred by Transnet in calling for Quotations afresh and/or having to accept any less favourable offer.

Price Schedule

I/We quote as follows for the goods required, on a "delivered nominated destination" basis, excluding VAT:

Delivery lead-Time from date of purchase order : _____ **[days/weeks]**

Notes to Pricing:

- a) All Prices must be quoted in South African Rand, exclusive of VAT
- b) To facilitate like-for-like comparison bidders must submit pricing strictly in accordance with this price schedule and not utilise a different format. Deviation from this pricing schedule could result in a bid being disqualified.

Please note that should you have offered a discounted price(s), Transnet will only consider such price discount(s) in the final evaluation stage if offered on an unconditional basis.

By signing this Quotation Form the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar, and agrees, with all the conditions governing this RFQ, including those contained in any printed form stated to form part hereof, including but not limited to the documents stated below and Transnet SOC Ltd will recognise no claim for relief based on an

Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Stations

A									
ITEM	Description	m ²	Ha	Total Annual Worklots (300m ²)	Rate per Worklot Year	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
Stations									
1.00	Veertienstrome	27 300.000	2.7300	9.000					
2.00	Warrenton	164 400.0000	16.4400	548.0000					
3.00	Winsorton Road	33 000.0000	3.3000	10.0000					
4.00	Riverton	26 700.0000	2.6700	89.0000					
5.00	Macfarlane	26 400.0000	2.6400	88.0000					
6.00	Kamfersdam	27 000.0000	2.7000	90.0000					
7.00	Kimberley	59 400.0000	5.9400	198.0000					
8.00	Beaconsfield	350 400.0000	35.0400	1 168.0000					
9.00	Mid Uitwyk	3 900.0000	0.3900	13.0000					
10.00	Fieldsview Uitwyk	3 900.0000	0.3900	13.0000					
11.00	Weir Uitwyk	7 800.0000	0.7800	26.0000					
12.00	Barkley Wes	18 600.0000	1.8600	62.0000					
13.00	Winters Rush Uitwykke	6 300.0000	0.6300	21.0000					
14.00	Borrelskop Uitwykke	6 300.0000	0.6900	23.0000					
15.00	Ulco	25 200.0000	2.5200	84.0000					
16.00	Ghaap Uitwyk	7 500.0000	0.4500	15.0000					
17.00	Olea Uitwyk	3 300.0000	0.3300	11.0000					
18.00	Koopmansfontein	9 300.0000	0.9300	31.0000					
19.00	Plateau Uitwyk	5 100.0000	0.5100	17.0000					
20.00	Arriesfontein Uitwyk	6 600.0000	0.6600	22.0000					
21.00	Silverstreams	12 000.0000	1.2000	40.0000					
22.00	Lime Acres	26 100.0000	2.6100	87.0000					
23.00	Postmansburg	231 300.0000	23.1300	771.0000					
24.00	Glosham	27 300.0000	2.7300	91.0000					
25.00	Lohattha	22 200.0000	2.2200	74.0000					
26.00	Sishen	14 310.0000	1.4310	47.7000					
27.00	Wincanton	13 800.0000	1.3800	46.0000					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Stations

A									
ITEM	Description	m ²	Ha	Total Annual Worklots (200m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
28.00	Mamatwane	16 500.0000	1.6500	55.0000					
29.00	Manganese	3 300.0000	0.3300	11.0000					
30.00	Hotazel	29 400.0000	2.9400	98.0000					
31.00	Showground	13 561.0000	1.3561	45.2033					
32.00	Kloofeind	14 505.0000	1.4505	48.3500					
33.00	Olienhoutplaat	15 343.0000	1.5343	51.1433					
34.00	De Brug	19 623.0000	1.9623	65.4100					
35.00	Immigrant	14 997.0000	1.4997	49.9900					
36.00	Petrusberg	19 023.0000	1.9023	63.4100					
37.00	Perdeberg	7 896.0000	0.7896	26.3200					
38.00	Bosvark	7 896.0000	0.7896	26.3200					
39.00	Olifantskop	9 197.0000	0.9297	30.9900					
40.00	Alex	291 900.0000	29.1900	973.0000					
SUB TOTAL KIMBERLEY NORTH YARDS		1 626 251.000	162.6251	5 420.837					
10 % PROVISIONALS		162 625.100	16.263	542.084					
TOTAL KIMBERLEY NORTH YARDS		1 788 876.100	178.888	5 962.920					

Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Stations

A

ITEM	Description	m ²	Ha	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
	Stations								
1.00	Veertienstrome	27 300.000	2.7300	91.000					
2.00	Warrenton	164 400.0000	16.4400	548.000					
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10.00	Fieldsview Uitwyk	3 900.0000	0.3900	13.0000					
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13.00	Winters Rush Uitwykke	6 300.0000	0.6300	21.0000					
14.00	Borrelskop Uitwykke	6 900.0000	0.6900	23.0000					
15.00	Ulco	25 200.0000	2.5200	84.0000					
16.00	Ghaap Uitwyk	4 500.0000	0.4500	15.0000					
17.00	Olea Uitwyk	3 300.0000	0.3300	11.0000					
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19.00	Plateau Uitwyk	5 100.0000	0.5100	17.0000					
20.00	Arriesfontein Uitwyk	6 600.0000	0.6600	22.0000					
21.00	Silverstreams	12 000.0000	1.2000	40.0000					
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24.00	Glosham	27 300.0000	2.7300	91.0000					
25.00	Lohattha	22 200.0000	2.2200	74.0000					
26.00	Sishen	14 310.0000	1.4310	47.7000					
27.00	Wincanton	13 800.0000	1.3800	46.0000					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Stations

A

ITEM	Description	m ²	Ha	Total Annual Worklots (200m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
28.00	Mamatwane	16 500.0000	1.6500	55.0000					
29.00	Manganese	3 300.0000	0.3300	11.0000					
30.00	Hotazel	29 400.0000	2.9400	98.0000					
31.00	Showground	13 561.0000	1.3561	45.2033					
32.00	Kloofeind	14 505.0000	1.4505	48.3500					
33.00	Olienhoutplaat	15 343.0000	1.5343	51.1433					
34.00	De Brug	19 623.0000	1.9623	65.4100					
35.00	Immigrant	14 997.0000	1.4997	49.9900					
36.00	Petrusberg	19 023.0000	1.9023	63.4100					
37.00	Perdeberg	7 896.0000	0.7896	26.3200					
38.00	Bosvark	7 896.0000	0.7896	26.3200					
39.00	Olifantskop	9 997.0000	0.9297	30.9900					
40.00	Alex	291 500.0000	29.1900	973.0000					
SUB TOTAL KIMBERLEY NORTH YARDS		1 626 251.000	162.6251	5 420.837					
10 % PROVISIONALS		162 625.100	16.263	542.084					
TOTAL KIMBERLEY NORTH YARDS		1 788 876.100	178.888	5 962.920					

Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B	SIGNAL BOXES								
B 1	A-794	1.230	6	0.02					
B 2	A-791	2.020	6	0.02					
B 3	A-790	2.040	6	0.02					
B 4	A-789	2.080	6	0.02					
B 5	A-788	2.090	6	0.02					
B 6	A-787	2.240	6	0.02					
B 7	A-785	2.280	6	0.02					
B 8	A-784	2.290	6	0.02					
B 9	A-783	2.490	6	0.02					
B 10	A-782	2.590	6	0.02					
B 11	A-781	2/x14	6	0.02					
B 12	A-780	A18	6	0.02					
B 13	A-778	160.230	6	0.02					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 14	A-777	160.230	6	0.02					
B 15	A-772A	3.340	6	0.02					
B 16	A-772B	3.340	6	0.02					
B 17	A-771A	3.640	6	0.02					
B 18	A-771B	3.640	6	0.02					
B 19	A-770A	3.770	6	0.02					
B 20	A-769	4.160	6	0.02					
B 21	A-768A	4.230	6	0.02					
B 22	A-767A	4.430	6	0.02					
B 23	A-766A	4.480	6	0.02					
B 24	A-766B	4.480	6	0.02					
B 25	A-766C	4.480	6	0.02					
B 26	A-765A	5.130	6	0.02					
B 27	A-765B	5.130	6	0.02					
B 28	A-765C	5.130	6	0.02					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 29	A-765D	5.130	6	0.02					
B 30	A-765E	5.130	6	0.02					
B 31	A-764A	4/17	6	0.02					
B 32	A-764B	4/17	6	0.02					
B 33	A-764C	4/17	6	0.02					
B 34	A-763A	5.070	6	0.02					
B 35	A-763B	5.070	6	0.02					
B 36	A-763C	5.070	6	0.02					
B 37	A-763D	5.070	6	0.02					
B 38	A-763E	5.070	6	0.02					
B 39	A-762A	5.410	6	0.02					
B 40	A-762B	5.410	6	0.02					
B 41	A-762C	5.410	6	0.02					
B 42	A-762D	5.410	6	0.02					
B 43	A-761A	5.630	6	0.02					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 44	A-761B	5.630	6	0.02					
B 45	A-761C	5.630	6	0.02					
B 46	A-760A	6.010	6	0.02					
B 47	A-760B	6.010	6	0.02					
B 48	A-760C	6.010	6	0.02					
B 49	A-759A	6.330	6	0.02					
B 50	A-759B	6.330	6	0.02					
B 51	A-758A	6.460	6	0.02					
B 52	A-757A	6.670	6	0.02					
B 53	A-757B	6.670	6	0.02					
B 54	A-757C	6.670	6	0.02					
B 55	A-757D	6.670	6	0.02					
B 56	A-757E	6.670	6	0.02					
B 57	A-755A	6.840	6	0.02					
B 58	A-755B	6.840	6	0.02					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 59	A-755C	6.840	6	0.02					
B 60	A-755D	6.840	6	0.02					
B 61	A-755E	6.840	6	0.02					
B 62	A-754A	6.920	6	0.02					
B 63	A-754B	6.920	6	0.02					
B 64	A-754C	6.920	6	0.02					
B 65	A-753A	7.080	6	0.02					
B 66	A-753B	7.080	6	0.02					
B 67	A-753C	7.080	6	0.02					
B 68	A-753D	7.080	6	0.02					
B 69	A-752	7.770	6	0.02					
B 70	A-751A	7.870	6	0.02					
B 71	A-751B	7.870	6	0.02					
B 72	A-750	8.130	6	0.02					
B 73	A-536A	BD1/14	6	0.02					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 74	A-536	DB1/14	6	0.02					
B 75	A-531A	303/13	6	0.02					
	BEC-RONALDSVLEI		15 000	1.500					
B 76	A-515A+B	306.245	8	0.0267					
B 77	A-516A+B	305.975	8	0.0267					
B 78	A-517+A	305.879	8	0.0267					
B 79	A-518	305.687	8	0.0267					
B 80	A-519	305.253	8	0.0267					
B 81	A-520	304.895	8	0.0267					
B 82	A-531	303.748	8	0.0267					
	KY-KMF		56	0.1867					
B 83	A-529B+C	3.377	14	0.05					
B 84	A-530B+C	3.253	14	0.05					
B 85	VIS CABINET KIMDUSTRIA	3.335	7	0.02					
B 86	A-531	303.748	8	0.03					
B 87	A-530G+H	2.786	14	0.05					
B 88	A-546B	2.394	7	0.02					

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KIMBERLEY NORTH YARDS - Signal Boxes

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 89	A-546D	2.204	7	0.02					
B 90	A-546C	1.928	7	0.02					
B 91	A-546E	1.706	7	0.02					
B 92	A-547A+B	1.683	4	0.05					
B 93	A-548	1.335	7	0.02					
B 94	A-534A+B	302.172	10	0.07					
B 95	A-549+A	0.97	17	0.06					
	KMF-BEC(NUWE VERMY)		143	0.48					

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B 96	A-539	302.115	10	0.03					
B 97	A-540	302.086	10	0.03					
B 98	A-541	302.033	10	0.03					
B 99	A-542	302.014	10	0.03					
B 100	A-551	0.245	10	0.03					
B 101	A-552	0.203	10	0.03					
B 102	A-543	301.484	10	0.03					
B 103	A-544	301.484	13	0.04					
B 104	A-545	301.437	10	0.03					
B 105	A-553	0.093	10	0.03					
B 106	A-554	0.055	10	0.03					

Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 107	A-555	0.019	10	0.03					
B 108	A-556	301.300	10	0.03					
B 109	A-557	301.207	10	0.03					
KAMFERSDAM			113	0.48					

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Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

B

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 110	A-558A+B+C	301.099	24	0.08					
B 111	A-559B	300.437	9	0.03					
B 112	A-560B	300.035	9	0.03					
B 113	A-561	299.639	10	0.03					
B 114	A-566	298.845	10	0.03					
B 115	A-567A	298.425	10	0.03					
B 116	A-567B	298.422	10	0.03					
B 117	A-568	298.007	10	0.03					
B 118	A-569	297.705	10	0.03					
B 119	A-570	297.411	10	0.03					
B 120	A-571	297.303	10	0.03					
B 121	A-572	296.485	10	0.03					
B 122	A-573	295.694	10	0.03					
B 123	A-575	295.090	10	0.03					
B 124	A-575A	294.613	10	0.03					
B 125	A-575B	294.501	10	0.03					
B 126	A-575BB	293.880	13	0.04					
B 127	A-575C+G	293.729	27	0.09					
B 128	A-575D	292.979	13	0.04					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 129	A-576B	292.569	13	0.04					
B 130	A-576	291.788	13	0.04					
B 131	A-577	291.759	10	0.03					
B 132	A-578A	291.136	10	0.03					
B 133	A-579	290.748	10	0.03					
B 134	A-580	290.332	10	0.03					
B 135	A-581	289.922	10	0.03					
B 136	A-582	289.521	10	0.03					
B 137	A-583	288.723	20	0.07					
B 138	A-584	288.064	20	0.07					
B 139	A-586B	287.657	20	0.07					
B 140	A-587B	287.261	20	0.07					
B 141	A-588B	286.666	13	0.04					
B 142	VIS CABINET MACFARLANE NORTH	285.7	7	0.02					
	MACFARLANE-KAMFERSDAM		413	1.38					

B 143	A-592A	286.627	13	0.04					
B 144	A-595	286.609	13	0.04					
B 145	A-596	286.525	13	0.04					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 146	A-593A+B	286.386	20	0.07					
B 147	A-594	286.336	13	0.04					
B 148	A-599	285.722	5	0.04					
B 149	A-298A+B	285.719	0	0.07					
B 150	A-600A+B	285.639	20	0.07					
B 151	A-601A+B	285.543	20	0.07					
B 152	A-602	285.422	13	0.04					
B 153	A-603	285.401	20	0.07					
B 154	A-604B	284.827	13	0.04					
B 155	A-605B	284.425	13	0.04					
B 156	A-606	284.015	13	0.04					
B 157	A-607	283.211	13	0.04					
B 158	A-608	282.405	13	0.04					
B 159	A-609B	281.597	13	0.04					
B 160	A-610A	281.403	10	0.03					
B 161	A-610B+C	281.027	17	0.06					
B 162	A-611A+B+C	280.279	24	0.08					
B 163	A-612	280.108	10	0.03					
B 164	A-613	279.483	7	0.02					
B 165	A-614	279.361	7	0.02					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 166	A-615A	279.278	7	0.02					
B 167	A-615B+C	279.256	20	0.07					
B 168	A-615D	279.173	5	0.04					
B 169	A-615E	278.737	3	0.04					
B 170	A-616A	278.518	13	0.04					
B 171	A-616B+C	278.510	20	0.07					
B 172	A-617	278.152	13	0.04					
B 173	A-617B	277.278	13	0.04					
B 174	A-635	277.378	13	0.04					
B 175	A-636	277.573	13	0.04					
B 176	A-637	275.766	13	0.04					
B 177	A-638	274.962	10	0.03					
B 178	A-639	274.192	10	0.03					
B 179	A-640	273.398	10	0.03					
B 180	A-641	272.527	10	0.03					
B 181	A-642A	272.339	10	0.03					
B 182	A-642B+C	272.130	17	0.06					
B 183	A-643A+B+C	271.797	24	0.08					
B 184	A-644A	271.395	10	0.03					
B 185	A-644C	271.193	10	0.03					

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Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 186	A-644B	271.192	10	0.03					
B 187	A-645	270.993	10	0.03					
B 188	A-646	270.187	10	0.03					
B 189	A-647	269.384	10	0.03					
B 190	A-648	268.590	10	0.03					
B 191	A-649	267.773	10	0.03					
B 192	A-650	266.971	10	0.03					
B 193	A-651	266.176	10	0.03					
B 194	A-652	265.372	10	0.03					
B 195	A-653	264.566	10	0.03					
B 196	A-653B	264.065	10	0.03					
B 197	A-654	264.065	10	0.03					
B 198	A-654B	264.065	10	0.03					
WINDSORTON ROAD-MACFARLANE			723	2.41					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 199	A-655A+B+C	263.249	24	0.08					
B 200	A-656A+B	263.089	20	0.07					
B 201	A-656A+B	263.051	20	0.07					
B 202	A-656D	263.051	13	0.04					
B 203	A-657	262.989	13	0.04					
B 204	A-658	262.225	13	0.04					
B 205	A-659A+B	262.252	20	0.07					
B 206	A-660	262.135	13	0.04					
B 207	A-661	261.321	10	0.03					
B 208	A-664B	260.665	10	0.03					
B 209	A-664C	259.874	10	0.03					
B 210	A-665A	259.874	10	0.03					
B 211	A-661B	259.321	10	0.03					
B 212	A-665B	259.068	10	0.03					
B 213	A-666	258.267	10	0.03					
B 214	A-666B	257.515	10	0.03					
B 215	A-667A	256.726	10	0.03					
B 216	A-667B	256.680	10	0.03					
B 217	A-668A	256.352	10	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 218	A-668B	255.949	10	0.03					
B 219	A-668C	255.947	10	0.03					
B 220	A-669A	255.547	10	0.03					
B 221	A-669B	255.319	10	0.03					
B 222	A-670A	255.145	10	0.03					
B 223	A-670B	254.340	10	0.03					
B 224	A-671A	253.539	10	0.03					
B 225	A-671B	252.911	10	0.03					
B 226	A-672A	252.081	10	0.03					
B 227	A-672B	251.281	10	0.03					
B 228	A-673A	250.532	10	0.03					
B 229	A-673B	249.772	10	0.03					
B 230	A-674	249.443	10	0.03					
B 231	A-675	248.704	13	0.04					
B 232	A-676	248.470	13	0.04					
B 233	A-676A	248.470	13	0.04					
B 234	A-677	247.849	13	0.04					
B 235	A-678	247.671	13	0.04					
B 236	A-679	247.016	13	0.04					
B 237	A-686	246.148	13	0.04					

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KIMBERLEY NORTH YARDS - Signal Boxes

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 238	A-687	245.341	13	0.04					
B 239	A-688	244.538	13	0.04					
B 240	A-389	243.738	3	0.04					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 241	A-690	242.933	13	0.04					
B 242	A-691	241.880	13	0.04					
B 243	A-692	241.827	13	0.04					
B 244	A-693	241.222	13	0.04					
B 245	A-694	240.618	13	0.04					
B 246	A-695	239.813	13	0.04					
B 247	A-698	239.002	13	0.04					
B 248	A-699	238.441	13	0.04					
B 249	A-700	238.227	13	0.04					
B 250	A-701	237.540	13	0.04					
B 251	A-700B	237.227	13	0.04					
B 252	A-701B	237.227	13	0.04					
B 253	A-703	237.213	13	0.04					
B 254	A-704	236.903	7	0.02					
B 255	A-705	236.782	7	0.02					
B 256	A-706	236.733	7	0.02					
B 257	A-707	236.263	7	0.02					
B 258	A-712	235.011	7	0.02					
B 259	A-713	234.871	7	0.02					
B 260	A-715	234.388	13	0.04					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 261	A-716	233.903	13	0.04					
B 262	A-717	233.422	13	0.04					
B 263	A-718	233.153	13	0.04					
B 264	A-719	232.884	13	0.04					
B 265	A-720	232.406	13	0.04					
B 266	A-722	231.803	13	0.04					
B 267	A-723	231.155	10	0.03					
B 268	A-724	230.925	10	0.03					
B 269	A-725A	230.245	10	0.03					
B 270	A-725B	230.240	10	0.03					
B 271	A-726A	230.114	10	0.03					
B 272	A-726B	230.090	10	0.03					
B 273	A-727	230.020	10	0.03					
B 274	A-728A	229.959	10	0.03					
B 275	A-728B	229.952	10	0.03					
B 276	A-729	229.378	10	0.03					
B 277	A-730	229.329	10	0.03					
B 278	A-731A	229.275	10	0.03					
B 279	A-731B	229.270	10	0.03					
B 280	A-732A+B	229.173	17	0.06					

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Contract No. SIW
KIMBERLEY NORTH YARDS - Signal Boxes

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 281	A-732C	229.086	10	0.03					
B 282	A-733A+B+C	229.037	24	0.08					
B	VIS CABINET VEERTIENSTROME	228.886		0.02					
B 283	A-739C	228.845	10	0.03					
B 284	A-736A	228.844	10	0.03					
B 285	A-739B	228.842	10	0.03					
B 286	A-737A	228.739	10	0.03					
B 287	A-737B	228.738	10	0.03					
B 288	A-738A	227.931	10	0.03					
B 289	A-738B	227.930	10	0.03					
TRANSCAPE-WINDSORTON ROAD			1066	3.55					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 290	Flash lights		6	0.02					
B 291	A-846	305/1	6	0.02					
B 292	A-845	305/8	6	0.02					
B 293	A-844	305/15	6	0.02					
B 294	A-843	305/16A	6	0.02					
B 295	A-842	305/18B	6	0.02					
B 296	A-841	305/18B	6	0.02					
B 297	A-840	306/1	6	0.02					
B 298	A-839	306/1	6	0.02					
B 299	A-838	306/2	6	0.02					
B 300	A-836	306/13A	6	0.02					
B 301	A-835	306/13A	6	0.02					
B 302	A-834	306/18	6	0.02					
B 303	A-833	306/18	6	0.02					
	KIMBERLEY		84	0.28					

B 304	A-832	307/7	6	0.02					
B 305	A-829	307/17	6	0.02					
B 306	A-827	308/1	6	0.02					
B 307	A-826	308/1	6	0.02					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 308	A-825	308/1	6	0.02					
B 309	A-824	308/1	6	0.02					
B 310	A-822	308/24	6	0.02					
B 311	A-821	309/10	6	0.02					
B 312	A-817	309/24	6	0.02					
B 313	A-816	309/24	6	0.02					
B 314	A-815A	310/1	6	0.02					
B 315	A-815	310/1	6	0.02					
B 316	A-814	310/4	6	0.02					
B 317	A-813	310/5	6	0.02					
B 318	A-812	310/8	6	0.02					
B 319	A-811	310/8	6	0.02					
B 320	A-810	310/14	6	0.02					
B 321	A-807	310/14	6	0.02					
B 322	A-806	310/14	6	0.02					
VERMY			114	0.38					

B 323	A-805	0,08	6	0.02					
B 324	A-804	0.200	6	0.02					
B 325	A-802	0.170	6	0.02					

Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 326	A-801	0.240	6	0.02					
B 327	A-800	0.250	6	0.02					
B 328	A-795	0/18	6	0.02					
	BEACONSFIELD-KIMBERLEY		6	0.12					

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B 329	A - 520	17/01	8	0.03					
B 330	A - 529	17/07	8	0.03					
B 331	A-525	17/01	8	0.03					
B 332	A - 520	17/04	8	0.03					
B 333	VIS CABINET FIELDSVIEW	17/08	7	0.02					
B 334	A -530	17/09	8	0.03					
B 335	A - 527	17/10	8	0.03					
	MACFARLANE-FIELDSVIEW		55	0.18					

B 336	A - 1050	18/14	8	0.03					
B 337	A - 1057	21/07	8	0.03					
B 338	A - 1060	22/09	8	0.03					
B 339	A - 1061	22/04	8	0.03					
B 340	A - 1062	23/07	8	0.03					

Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 341	A - 1064	23/14	8	0.03					
B 342	A - 516	27.496	8	0.03					
B 343	A - 517	27.100	8	0.03					
B 344	VIS CABINET FIELDSVIEW	28/1	8	0.02					
B 345	A - 509	28.987	8	0.03					
B 346	A - 518	28.977	8	0.03					
B 347	CTC Case	28.990	8	0.03					
B 348	CTC Case	29.384	8	0.03					
B 349	A - 519	29.534	8	0.03					
B 350	A - 515	29.589	8	0.03					
B 351	A - 520	29.724	8	0.03					
B 352	Case A	30.850	8	0.03					
B 353	CTC Case	30.950	8	0.03					
B 354	CTC Case	30.950	8	0.03					
B 355	CTC Case	30.110	8	0.03					
B 356	CTC Case	31.150	8	0.03					
B 357	Case B	31.450	8	0.03					
B 358	Case E	31.450	8	0.03					
B 359	Case EE	31.450	8	0.03					
B 360	CTC Case	31.550	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 361	CTC Case	31.650	8	0.03					
B 362	CTC Case	31.700	8	0.03					
B 363	CTC Case	31.105	8	0.03					
B 364	Case G	32.100	8	0.03					
B 365	A - 2161	33.100	8	0.03					
B 366	A - 2162	33.100	8	0.03					
B 367	A - 2163	33.100	8	0.03					
B 368	A - 2164	33.100	8	0.03					
B 369	A-2165	5.500	8	0.03					
B 370	A-2166	5.500	8	0.03					
B 371	A-2167	34.950	8	0.03					
B 372	A-2168A	34.500	8	0.03					
B 373	CTC Case	34.950	8	0.03					
B 374	VIS CABINET BKY - GOG	28/1	7	0.02					
B 375	CTC Case	35.150	8	0.03					
B 376	A-2169	35.300	8	0.03					
B 377	A-2170	35.600	8	0.03					
B 378	A-2171	35.750	8	0.03					
B 379	A-2172	35.900	8	0.03					
B 380	A-2173	36.700	8	0.03					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 381	CTC Case	37.150	8	0.03					
B 382	CTC Case	37.150	8	0.03					
B 383	A-1077	37.400	8	0.03					
B 384	A-1079	39.150	8	0.03					
B 385	CTC Case	39.450	8	0.03					
B 386	CTC Case	39.750	8	0.03					
B 387	A-1082	41.100	8	0.03					
B 388	A-1084	42.350	8	0.03					
B 389	A-1084A	42.650	8	0.03					
B 390	CTC Case	42,750A	8	0.03					
B 391	CTC Case	42,750B	8	0.03					
B 392	A-1085	43.100	8	0.03					
B 393	A-1086	43.400	8	0.03					
B 394	A-1092	45.100	8	0.03					
B 395	A-1094	47.350	8	0.03					
B 396	A-1096	47.500	8	0.03					
B 397	A-1097	48.500	8	0.03					
B 398	A-1099	48.650	8	0.03					
B 399	A-1100	49.400	8	0.03					
B 400	CTC Case	51.250	8	0.03					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 401	A-516	53.650	8	0.03					
B 402	A-518	54.500	8	0.03					
B 403	A-519	55.650	8	0.03					
B 404	A-520	65.500	8	0.03					
B 405	A-521	65.600	8	0.03					
B 406	A-520	60.150	8	0.03					
B 407	A-521	60.350	8	0.03					
B 408	A-522	61.300	8	0.03					
B 409	A-523	61.750	8	0.03					
B 410	A-524	62.150	8	0.03					
B 411	A-525	62.300	8	0.03					
	BORRELSKOP-FIELDSFIEW		606	2.02					
B 412	A-520	66.150	8	0.03					
B 413	A-521	66.350	8	0.03					
B 414	VIS CABINET BKY - GOG	67/3	7	0.02					
B 415	A-522	67.500	8	0.03					
B 416	A-523	67.800	8	0.03					
B 417	CTC Case	68.500	8	0.03					
B 418	CTC Case	68.250	8	0.03					

Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 419	A-524	68.450	8	0.03					
B 420	A-525	68.600	8	0.03					
B 421	A-505	69.200		0.03					
B 422	A-504	69.400		0.03					
B 423	A-503	69.600	8	0.03					
B 424	A-510A	69.750		0.03					
B 425	A-510A	69.750	8	0.03					
B 426	A-511	70.500	8	0.03					
B 427	A-512	70.600	8	0.03					
B 428	A-513	71.300	8	0.03					
B 429	A-511	71.650	8	0.03					
B 430	A-510A	72.150	8	0.03					
B 431	A-512	72.650	8	0.03					
B 432	A-513	73.200	8	0.03					
B 433	CTC Case	73.500	8	0.03					
B 434	CTC Case	73.500	8	0.03					
B 435	CTC Case	74.400	8	0.03					
B 436	CTC Case	74.400	8	0.03					
B 437	CTC Case	75.300	8	0.03					
B 438	CTC Case	75.400	8	0.03					

Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

H

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 439	A-535A	77.600	8	0.03					
B 440	A-535B	77.600	8	0.03					
B 441	CTC Case	78.650	8	0.03					
B 442	CTC Case	78.700	8	0.03					
B 443	A-533	78.950	8	0.03					
B 444	A-534	79.700	8	0.03					
B 445	A-538	80.200	8	0.03					
B 446	A-537	80.300	8	0.03					
B 447	A-536	80.650	8	0.03					
B 448	A-522	85.105	8	0.03					
B 449	A-523	85.700	8	0.03					
B 450	A-524	85.450	8	0.03					
B 451	A-520	96.300	8	0.03					
B 452	A-514	86.400	8	0.03					
B 453	A-514	86.800	8	0.03					
B 454	A-513	87.100	8	0.03					
B 455	A-512	87.550	8	0.03					
	KNEUKEL-ULCO		351	1.17					
B 456	A-516	88.100	8	0.03					

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Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 457	A-516	88.250	8	0.03					
B 458	A-517	88.500	8	0.03					
B 459	A-518	89.350	8	0.03					
B 460	A-519	90.100	8	0.03					
B 461	A-520	90.250	8	0.03					
B 462	A-540	97.200	8	0.03					
	OLEA		56	0.19					
B 463	A-541	97.450	8	0.03					
B 464	A-542	98.200	8	0.03					
B 465	A-543	99.200	8	0.03					
B 466	A-544	99.850	8	0.03					
B 467	A-545	99.950	8	0.03					
B 468	A-1105	105.200	8	0.03					
B 469	A-1106	105.350	8	0.03					
B 470	A-1107	105.350	8	0.03					
B 471	A-1107	105.400	8	0.03					
B 472	A-1108	105.750	8	0.03					
B 473	A-1108	105.800	8	0.03					
B 474	A-1109	106,300A	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 475	A-110	106.400	8	0.03					
B 476	A-1114	108.100	8	0.03					
B 477	A-1121	110.500	8	0.03					
B 478	A-1124	111,600A	8	0.03					
B 479	A-1129	112/15	8	0.03					
B 480	A-1131	112/8	8	0.03					
B 481	A-1134	116/16	8	0.03					
B 482	A-1141	116/12	8	0.03					
B 483	A-1134	117/9A	8	0.03					
B 484	A-1144	117/4	8	0.03					
B 485	A-1145	118/4	8	0.03					
B 486	A-1147	118/11	8	0.03					
B 487	A-1148	118/15	8	0.03					
B 488	VIS CABINET ARRIESFONTEIN	121/15	7	0.02					
B 489	A-515	124/14	8	0.03					
B 490	A-516	125/2	8	0.03					
B 491	A-517	125/12	8	0.03					
B 492	A-518	126/8	8	0.03					
B 493	A-519	127/3	8	0.03					
B 494	A-520	127/6-7	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 495	A-1180	133/1	8	0.03					
B 496	A-1181	133/5	8	0.03					
B 497	A-1182A	133/15	8	0.03					
B 498	A-1182B	134/1	8	0.03					
B 499	A-1183	134/5	8	0.03					
B 500	A-1184	134/12	8	0.03					
B 501	A-1186	135/4	8	0.03					
B 502	A-1187A	135/8	8	0.03					
B 503	A-1187B	135/9	8	0.03					
B 504	A-1189	136/3	8	0.03					
B 505	A-1189	136/6	8	0.03					
B 506	A-515	144/9	8	0.03					
B 507	A-516	144/12	8	0.03					
B 508	A-517	145/8	8	0.03					
B 509	VIS CABINET SILVERSTREAMS	145,786	7	0.02					
B 510	A-518	146/6	8	0.03					
B 511	A-519	146/14	8	0.03					
B 512	A-520	147/1	8	0.03					
	SILVERSTREAMS-KOOPMANSFONTEIN		398	1.33					

Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 513	A-520	150/4	8	0.03					
B 514	A-521	150/8	8	0.03					
B 515	A-522	151/4		0.03					
B 516	VIS CABINET LIMEACRES	151.605		0.02					
B 517	A-523	152/4	8	0.03					
B 518	A-526	152/4	8	0.03					
B 519	A-526	159/5	8	0.03					
B 520	A-1152	159/16	8	0.03					
B 521	A-1152	159/17	8	0.03					
B 522	A-1153	160/2	8	0.03					
B 523	A-1155	160/9	8	0.03					
B 524	A-1156	161/1	8	0.03					
B 525	A-1157	161/3A	8	0.03					
B 526	A-1160	163/2	8	0.03					
B 527	A-1167	164/13	8	0.03					
B 528	A-1168	164/14	8	0.03					
B 529	A-1174	166/12	8	0.03					
B 530	A-1175	166/14	8	0.03					
B 531	A-1178	167/12	8	0.03					
B 532	A-1178	167/15	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

9th

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 533	A-1179	168/1	8	0.03					
B 534	A-1190	171/12	8	0.03					
B 535	A-1190	171/13		0.03					
B 536	A-1191	172/1		0.03					
B 537	A-1192	172/10	8	0.03					
B 538	A-1193	172/15		0.03					
B 539	A-1196	172/15	8	0.03					
B 540	A-1196	172/16	8	0.03					
B 541	A-1199	175/3	8	0.03					
B 542	A-1200	175/18	8	0.03					
B 543	A-1207	176/12	8	0.03					
B 544	A-1203	176/16	8	0.03					
B 545	A-516	185/4	8	0.03					
B 546	A-517	186/2	8	0.03					
B 547	A-517	186/3	8	0.03					
B 548	A-518	186/15	8	0.03					
B 549	A-519	187/4	8	0.03					
B 550	A-519	187/5	8	0.03					
B 551	A-1228	193/3	8	0.03					
B 552	A-1229	193/7	8	0.03					

Schedule of Quantities

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KIMBERLEY NORTH YARDS - Signal Boxes

LA

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 553	A-1230	194/2	8	0.03					
B 554	A-1231	194/4A	8	0.03					
B 555	A-1231	194/5A	8	0.03					
B 556	A-1232	194/10	8	0.03					
B 557	A-1233	194/19	8	0.03					
B 558	A-1234	195/8	8	0.03					
B 559	A-1234	195/9	8	0.03					
B 560	A-1235	195/12A	8	0.03					
B 561	A-1236	195/14	8	0.03					
B 562	A-1237	196/7	8	0.03					
B 563	A-1237	196/8	8	0.03					
B 564	A-1238	196/11	8	0.03					
	TSANTSABANE-LIME ACRES		415	1.38					
B 565	A-1433	203/7	8	0.03					
B 566	A-1434	203/10	8	0.03					
B 567	A-1435	203/17	8	0.03					
B 568	A-1436	204/2	8	0.03					
B 569	A-1438	204/16	8	0.03					
B 570	A-1439	204/17	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 571	A-1442	204/20	8	0.03					
B 572	A-1446C	206/3A	8	0.03					
B 573	A-1446B	206/5		0.03					
B 574	A-1446A	206/5		0.03					
B 575	A-1447	206/8	8	0.03					
B 576	A-1448	207/8		0.03					
B 577	A-1449	207/13	8	0.03					
	POSTMASBURG		104	0.35					
B 578	160 Case	210/8	8	0.03					
B 579	170 Case	211/8	8	0.03					
B 580	240 Case	211/14	8	0.03					
B 581	260 Case	211/14	8	0.03					
B 582	360 Case	211/26	8	0.03					
B 583	640 Case	213/3	8	0.03					
B 584	720 Case	213/4	8	0.03					
B 585	VIS CABINET BEESHOEK	213.473	7	0.02					
B 586	740 Case	213/8	8	0.03					
B 587	744 Case	213/9	8	0.03					
B 588	760 Case	213/13	8	0.03					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

bt

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 589	820 Case	213/28	8	0.03					
B 590	840 Case	213/32	8	0.03					
B 591	860 Case	213/38	8	0.03					
	BEESHOEK		11	0.37					
B 592	140 Case	219/3	8	0.03					
B 593	160 Case	219/14	8	0.03					
B 594	240 Case	220/7	8	0.03					
B 595	260 Case	220/8	8	0.03					
B 596	270 Case	220/8	8	0.03					
B 597	360 Case	220/13	8	0.03					
B 598	640 Case	221/13	8	0.03					
B 599	730 Case	222/2	8	0.03					
B 600	740 Case	222/2	8	0.03					
B 601	760 Case	222/4	8	0.03					
B 602	840 Case	222/13	8	0.03					
B 603	860 Case	223/8	8	0.03					
	BOKKOPIE		96	0.32					
B 604	140 Case	226/2	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 605	160 Case	226/5	8	0.03					
B 606	240 Case	226/15	8	0.03					
B 607	740 Case	227/2A		0.03					
B 608	760 Case	227/4		0.03					
B 609	960 Case	228/2	8	0.03					
B 610	860 Case	228/3	8	0.03					
	PALINGPAN		56	0.19					
B 611	140 Case	230/11	8	0.03					
B 612	160 Case	230/15	8	0.03					
B 613	A-2007	230/16	8	0.03					
B 614	170 Case	231/5	8	0.03					
B 615	240 Case	231/8	8	0.03					
B 616	260 Case	231/10	8	0.03					
B 614	A-2009	231/10	8	0.03					
B 615	320 Case	232/4	8	0.03					
B 616	380 Case	232/4	8	0.03					
B 617	A-2010	232/4	8	0.03					
B 615	740 Case	232/17	8	0.03					
B 616	A-2011	232/17A	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

SI

ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 617	760 Case	233/1	8	0.03					
B 618	A-2012	233/2	8	0.03					
B 616	780 Case	233/6	8	0.03					
B 617	820 Case	233/6	8	0.03					
B 618	840 Case	233/13	8	0.03					
B 619	860 Case	234/1	8	0.03					
B 617	140 Case	239/8	8	0.03					
B 618	160 Case	239/15	8	0.03					
B 619	230 Case	240/10	8	0.03					
B 620	240 Case	240/10	8	0.03					
B 618	A 240 Case	240/14	8	0.03					
B 619	960 Case (Bulkop)	240/16	8	0.03					
B 620	260 Case	240/19	8	0.03					
B 621	A 740 Case	241/10	8	0.03					
B 619	Case A	241/12	8	0.03					
B 620	A 750 Case	241/15	8	0.03					
B 621	A 760 Case	241/15	8	0.03					
B 622	VIS CABINET LOHATLA	241.624	7	0.02					
B 620	A 770 Case	241/15	8	0.03					
B 621	A 820 Case	242/7	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 622	A 830 Case	242/7	8	0.03					
B 623	A 840 Case	242/10	8	0.03					
B 621	A 860 Case	242/14	8	0.03					
	HAAKBOSLEEGTE-POSTMASBURG		24	0.93					
B 622	140 Case	249/6	8	0.03					
B 623	160 Case	249/12	8	0.03					
B 623	A-2067	249/12	8	0.03					
B 624	240 Case	250/6	8	0.03					
B 624	260 Case	250/7	8	0.03					
B 625	270 Case	250/7	8	0.03					
B 625	A-2069	250/8	8	0.03					
B 626	A-2070	250/11	8	0.03					
B 627	360 Case	250/11	8	0.03					
B 628	A-2071	251/8	8	0.03					
B 629	640 Case	251/9	8	0.03					
B 630	A-2072	251/14	8	0.03					
B 631	730 Case	251/14	8	0.03					
B 632	740 Case	251/14	8	0.03					
B 633	760 Case	252/1	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes



ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 634	A-2073	252/1	8	0.03					
B 635	A-2074	252/11	8	0.03					
B 636	840 Case	252/11	8	0.03					
B 637	860 Case	253/1	8	0.03					
B 638	A 140 Case	264/12	8	0.03					
B 639	A 160 Case	265/5	8	0.03					
B 640	A 170 Case	265/5	8	0.03					
B 641	A 340 Case	265/11	8	0.03					
B 642	A 362 Case	266/2	8	0.03					
B 643	A 360 Case	266/10	8	0.03					
B 644	A 370 Case	267/2	8	0.03					
B 645	A 380 Case	267/2	8	0.03					
B 646	Case L	267/7	8	0.03					
B 647	A 560 Case	267/9	8	0.03					
B 648	Case K	268/1	8	0.03					
B 649	Case J	268/1	8	0.03					
B 650	Case H	268/4	8	0.03					
B 651	Case GG	268/14	8	0.03					
B 652	Case G	268/14	8	0.03					
B 653	A 2200 Case	268/14	8	0.03					

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KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 654	A 2201 Case	269/3	8	0.03					
B 655	Case D	269/18	8	0.03					
B 656	Case C	270/1	8	0.03					
B 657	Case BB	270/3	8	0.03					
B 658	Case B	270/3	8	0.03					
B 659	Case A	270/3	8	0.03					
	SISHEN		328	1.09					
B 660	A 160 Case	278/2	8	0.03					
B 661	A-3147	278/2	8	0.03					
B 662	A 240 Case	278/11	8	0.03					
B 663	A-3148	278/11	8	0.03					
B 664	A 260 Case	278/13	8	0.03					
B 665	A 270 Case	278/13	8	0.03					
B 666	A-3149	278/13	8	0.03					
B 667	A 310 Case	279/2	8	0.03					
B 668	A-3150	279/3	8	0.03					
B 669	A-3151	279/15	8	0.03					
B 670	A 640 Case	280/1	8	0.03					
B 671	A-3152	280/5	8	0.03					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

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ITEM	Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B 672	A 730 Case	280/5	8	0.03					
B 673	A 740 Case	280/5	8	0.03					
B 674	A-3153	280/7	8	0.03					
B 675	A 760 Case	280/7	8	0.03					
B 676	A 840 Case	280/12	8	0.03					
B 677	A-3154	281/1	8	0.03					
B 678	A 860 Case	281/2	8	0.03					
	EMIL		152	0.51					
B 679	A140 App Case	321.157	8	0.03					
B 680	A170 App Case	321.358	8	0.03					
B 681	A180 App Case	321.359	8	0.03					
B 682	A240 App Case	322.557	8	0.03					
B 683	A758 App Case	322.723	8	0.03					
B 684	A710 App Case	322.859	8	0.03					
B 685	A720 App Case	322.862	8	0.03					
B 686	A820 App Case	322.958	8	0.03					
B 687	A770 App Case	322.969	8	0.03					
B 688	A830 App Case	323.158	8	0.03					
B 689	A730 App Case	323.159	8	0.03					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Boxes

ITEM		Description	Kilometer	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
B	690	A740 App Case	323.162	8	0.03					
B	691	A750 App Case	323.475	8	0.03					
B	692	A780 App Case	323.534	8	0.03					
B	693	A860 App Case	323.849	8	0.03					
B	694	A790 App Case	323.861	8	0.03					
		MANGANESE		128	0.43					
Sub TOTAAL				6363.000	21.210					
Provisional				636.300	2.121					
TOTAL for SIGNAL BOXES				6999.300	23.331					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - SIGNAL EQUIPMENT

Item	Station	Kilometre / Location	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
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C. Electrical Subs and Relays

C TRANSCAPE-KAMFERSDAM									
Hotbox Rooms									
RIVERTON		275.304	42	0.14					
			42.00	0.14					
Relay Rooms									
KIMBERLEY		306.39	121	0.40					
VEERTIENSTROME		229.700	67	0.22					
WARRENTON		235.494	147	0.22					
CONTENT		248.105	67	0.22					
WINDSORTON ROAD		262.516	67	0.22					
RIVERTON		279.813	67	0.22					
VEERTIENSTROME		286.098	110	0.17					
WARRENTON		301.300	100	0.16					
			674.00	2.11					
TOTAL TRANSCAPE-KAMFERSDAM			674.00	2.25					

KAMFERSDAM-HOTAZEL									
Hotbox Rooms									
BARKLEY WES		32/1	42	0.14					
GONG-GONG		5/00	42	0.14					
BORRELSKOP		64/9	42	0.14					
ULCO-GHAAP		7/1	42	0.14					
NOOIBOS		93/3	42	0.14					
ARIESFONTEIN		122.00	42	0.14					
ARIESFONTEIN-ARIES		121.9	121	0.40					
GROENWATER		170/16	42	0.14					
PALINGPAN		229/3	42	0.14					
			457.00	1.52					
RELAY ROOMS									
MILNERS		7.720	114	0.38					
FIELD VIEW		17.912	246	0.82					
FIELDSVIEW-WEIR		22.779	114	0.38					
WEIR		28.363	114	0.38					
BARKLEY WES		31.962	114	0.38					
BWG		43.000	246	0.82					
GONG-GONG		47.300	114	0.38					
WINTERSRUSH		55.009	114	0.38					
BORRELSKOP		61.470	114	0.38					
ULCO		67.433	246	0.82					
ULCO WES		69.788	114	0.38					
UGP		72.750	114	0.38					
GHAAP		79.600	246	0.82					
KNEUKEL		85.870	114	0.38					
OLEA		88.957	114	0.38					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - SIGNAL EQUIPMENT

Item	Station	Kilometre / Location	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
	KOOPMANSFOTEIN	98.717	114	0.38					
	KPU	106.342	114	0.38					
	PLATEAU	112.035	246	0.82					
	PAF	117.675	114	0.38					
	ARIESFONTEIN	126.167	114	0.38					
	TREWIL	134.362	228	0.76					
	SILVERSTREAMS	145.807	246	0.82					
	LIME ACRES	151.628	114	0.38					
	LSC	161.070	246	0.82					
	CLIFTON	166.072	114	0.38					
	GROENWATER	174.360	228	0.76					
	BLINKKLIP	186.463	114	0.38					
	TSANTSEBANE	195.342	228	0.76					
	BEESHOEK	212/12	193	0.64					
	BOKKOPIE	221/3	80	0.27					
	PALINGPAN	227/12	108	0.36					
	HAAKBOSLEEGTE	251/2	129	0.43					
	GLOSAM	232/12	55	0.52					
	LOHATLHA	241/2	212	0.71					
	EMIL	279/9	97	0.36					
	SISHEN	268/11	136	0.43					
	GAMAGARA	266/4	170	0.57					
			5 741.00	19.14					
TOTAL: KAMFERSDAM-HOTAZEL			6 198.00	20.66					
Sub Total SUB-STATIONS, RELAY ROOMS			6 874.00	22.91					
Provisional 10 %			687.40	2.29					
Total Sub Station and Relay Rooms			7 561.40	25.20					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Assets

D. Signal Assets

Section	Description	Km Distance	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
WEIR-BARKLEY	Paal flikkerlig	31/9	4	0.01					
	Paal flikkerlig	31/9	4	0.01					
	Paal flikkerlig	31/9	4	0.01					
	Paal flikkerlig	31/9	4	0.01					
GHAAP	Kabellyn	77/12-78/14	8	0.03					
KOOPMANS-OLEA	NOB RR	27/6	8	0.03					
KPU	13 Crank handel	106/6A	8	0.03					
	Hand wissel	112/3-5	6	0.02					
PLATEAU	Hand wissel	112/7	6	0.02					
	Hand wissel	112/9	6	0.02					
	14 Wissel slinger kas pad	112/10A	6	0.02					
PAF	14 Wissel slinger kas pad	117/11B	6	0.02					
	Asteller pot	118/13	4	0.01					
ARIESFONTEIN	Aansluitng kas pad	125/1	8	0.03					
	Hand wissel draad roete	125/13A	8	0.03					
	Hand wissel	126/4A	8	0.03					
	Draai roete, hand wissel	126/3-4	8	0.03					
	Hand wissel draad roete	125/15	8	0.03					
TREWIL	14 Wissel slinger kas pad	135/9	8	0.03					
	Kabelroete	136/6	20	0.07					
	13 Wissel slinger kas pad	134/15	6	0.02					

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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - Signal Assets

D. Signal Assets

Section	Discription	Km Distance	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
SILVERSTREAMS	13 Wissel CHR paal	145/8	8	0.03					
	15 Wissel CHR paal	145/8	8	0.03					
	Handwissel KY kant skilpad	145/11	6	0.02					
	17 Wissel pot+CHR pad	145/10A	6	0.02					
	14 Wissel slinger kas paal	152/3	8	0.03					
	22 Wissels	152/3	6	0.02					
	Draai roete meganies	146/6	8	0.03					
	Draai roete meganies	146/4	8	0.03					
	20 Wissel+CHR paal	146/4A	8	0.03					
	18 Wissel+CHR paal	146/4	8	0.03					
	Hand wissel	146/6	8	0.03					
GROENWATER	Draadloop	172/15/15A	8	0.03					
POSTMASBURG	CABLE RUN	203/7-205	20	0.07					
Sub Totaal			258.000	0.860					
Provisional 10%			25.800	0.086					
Total Signal Assets			283.800	0.946					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Signal Potheads

E. SIGNAL POTHEADS

Asset Location	Km	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
FFM-MID	6/5	4	0.01					
FFM-MID	6/16	4	0.01					
FFM-MID	6/16	4	0.01					
FFM-MID	7/1	4	0.01					
FFM-MID	7/1	4	0.01					
FFM-MID	7/11	4	0.01					
FFM-MID	7/11	4	0.01					
FFM-MID	8/1	4	0.01					
FFM-MID	8/2	4	0.01					
FFM-MID	17/4	4	0.01					
FFM-MID	17/6	4	0.01					
FFM-MID	17/9	4	0.01					
FFM-MID	17/9	4	0.01					
FFM-MID	17/11	4	0.01					
FFM-MID	17/11	4	0.01					
FFM-MID	17/13	4	0.01					
FFM-MID	17/13	4	0.01					
FFM-MID	17/13	4	0.01					
FFM-MID	18/7	4	0.01					
FFM-MID	18/7A	4	0.01					
FFM-MID	18/8	4	0.01					
FFM-MID	18/8	4	0.01					
FFM-MID	19/9	4	0.01					
FFM-MID	20/6	4	0.01					
FFM-MID	21/2	4	0.01					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Signal Potheads

E. SIGNAL POTHEADS

Asset Location	Km	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
FFM-MID	21/12	4	0.01					
FFM-MID	22/5	4	0.01					
FLW-MAC	11/8	4	0.01					
FLW-MAC	11/8	4	0.01					
WEIR	27/6	4	0.01					
WEIR	27/16	4	0.01					
WEIR	27/17	4	0.01					
WEIR	28/2	4	0.01					
WEIR	28/2	4	0.01					
WEIR	28/14	4	0.01					
BARKLEY WEST	32/11	4	0.01					
BARKLEY WEST	32/11	4	0.01					
BARKLEY WEST	33/1	4	0.01					
BARKLEY WEST	38/6	4	0.01					
BWG	40/6	4	0.01					
BWG	41/4	4	0.01					
GONG-GONG	41/5	4	0.01					
GONG-GONG	45/2	4	0.01					
GONG-GONG	46/17	4	0.01					
GONG-GONG	47/7	4	0.01					
GONG-GONG	48/13	4	0.01					
WINTERSRUSH	54/10	4	0.01					
WINTERSRUSH	54/10	4	0.01					
WINTERSRUSH	54/11	4	0.01					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Signal Potheads

E. SIGNAL POTHEADS

Asset Location	Km	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
WINTERSRUSH	54/11	4	0.01					
WINTERSRUSH	55/7	4	0.01					
WINTERSRUSH	55/7	4	0.01					
WINTERSRUSH	55/7	4	0.01					
WINTERSRUSH	55/7	4	0.01					
WINTERSRUSH	65/1	4	0.01					
WINTERSRUSH	65/2	4	0.01					
BORRELSKOP	60/5	4	0.01					
BORRELSKOP	60/7	4	0.01					
BORRELSKOP	61/1	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/2	4	0.01					
BORRELSKOP	61/14	4	0.01					
BORRELSKOP	61/14	4	0.01					
BORRELSKOP	62/3	4	0.01					
BORRELSKOP	62/4	4	0.01					
ULCO	66/6	4	0.01					
ULCO	66/7	4	0.01					
ULCO	67/2	4	0.01					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Signal Potheads

E. SIGNAL POTHEADS

Asset Location	Km	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
ULCO	67/2	4	0.01					
ULCO	67/2	4	0.01					
ULCO	67/3	4	0.01					
ULCO	67/3	4	0.01					
ULCO	67/3	4	0.01					
ULCO	67/3	4	0.01					
ULCO	67/3	4	0.01					
ULCO	67/3	4	0.01					
ULCO	67/13	4	0.01					
ULCO	67/13	4	0.01					
ULCO	67/14	4	0.01					
ULCO	67/14	4	0.01					
ULCO	67/14	4	0.01					
ULCO	67/14	4	0.01					
ULCO	67/14	4	0.01					
ULCO	67/15	4	0.01					
ULCO	68/3	4	0.01					
GHAAP	78/3	4	0.01					
GHAAP	79/2	4	0.01					
GHAAP	79/3	4	0.01					
GHAAP	79/3	4	0.01					
GHAAP	79/4	4	0.01					
GHAAP	79/4	4	0.01					
GHAAP	79/4	4	0.01					
GHAAP	79/18	4	0.01					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Signal Potheads

E. SIGNAL POTHEADS

Asset Location	Km	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
GHAAP	79/18	4	0.01					
GHAAP	79/18A	4	0.01					
GHAAP	80/2	4	0.01					
GHAAP	80/2	4	0.01					
GHAAP	80/9	4	0.01					
GHAAP	80/13	4	0.01					
KNEUKEL	85/22	4	0.01					
KNEUKEL	86/5	4	0.01					
KNEUKEL	86/14	4	0.01					
OLEA	88/1	4	0.01					
Pothead	88/5	4	0.01					
Pothead	88/10	4	0.01					
Pothead	88/11	4	0.01					
Pothead	88/11	4	0.01					
Pothead	89/1	4	0.01					
Pothead	90/1	4	0.01					
Pothead	91/1	4	0.01					
Pothead	94/1	4	0.01					
Pothead	94/7	4	0.01					
Pothead	94/9	4	0.01					
KOOPMANSFONTEIN	97/7	4	0.01					
KOOPMANSFONTEIN	97/9	4	0.01					
KOOPMANSFONTEIN	98/4	4	0.01					
KOOPMANSFONTEIN	98/4	4	0.01					
KOOPMANSFONTEIN	98/4	4	0.01					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Signal Potheads

E. SIGNAL POTHEADS

Asset Location	Km	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
KOOPMANSFONTEIN	98/5	4	0.01					
KOOPMANSFONTEIN	98/5	4	0.01					
KOOPMANSFONTEIN	98/6	4	0.01					
KOOPMANSFONTEIN	98/7	4	0.01					
KOOPMANSFONTEIN	98/7	4	0.01					
KOOPMANSFONTEIN	99/1A	4	0.01					
KOOPMANSFONTEIN	99/1A	4	0.01					
KOOPMANSFONTEIN	99/1A	4	0.01					
KOOPMANSFONTEIN	99/1A	4	0.01					
KOOPMANSFONTEIN	99/3	4	0.01					
KOOPMANSFONTEIN	99/3	4	0.01					
KOOPMANSFONTEIN	99/4	4	0.01					
KOOPMANSFONTEIN	99/4	4	0.01					
KOOPMANSFONTEIN	99/17	4	0.01					
KOOPMANSFONTEIN	99/17	4	0.01					
KOOPMANSFONTEIN	99/18	4	0.01					
PLATEAU-KPU	107/7	4	0.01					
PLATEAU-KPU	108/6	4	0.01					
PLATEAU-KPU	10812	4	0.01					
PLATEAU-KPU	108/15	4	0.01					
PLATEAU	112/15	4	0.01					
PLATEAU	113/5	4	0.01					
PLATEAU	113/10	4	0.01					
PAF	115/3	4	0.01					
PAF	115/5	4	0.01					

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Schedule of Quantities
Contract No. SIW
KIMBERLEY NORTH YARDS - Signal Potheads

E. SIGNAL POTHEADS

Asset Location	Km	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
PAF	117/5	4	0.01					
SILVERSTREAM	145/10	4	0.01					
SILVERSTREAM	146/3A	4	0.01					
SILVERSTREAM	146/3A	4	0.01					
SILVERSTREAM	146/3A	4	0.01					
LINE ACERS	153/1	4	0.01					
Sub Total		620.000	2.067					
Provisional 10%		62.000	0.207					
Total Signal Potheads		682.000	2.274					

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Schedule of Quantities
Contract No. S/W
KIMBERLEY NORTH YARDS - Material Yards

F. Material Yards

ITEM	Description	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
F1	Austen street: Emergency Perway Yard	1800.0000	6.0000					
F2	Austen Street: Electrical Depot	1800.0000	6.0000					
F3	Infra Depot	3360.0000	11.2000					
F4	Material Yard	13500.0000	45.0000					
F5	Old MTV Area	10000.0000	133.3333					
F6	Beaconsfield Parking (Austen Street)	3420.0000	11.4000					
F7	Austen street: Pavement	1200.0000	4.0000					
F7	Austen Street - Warehouse	1290.0000	14.3000					
F8	Postmansburg materiaalkamp	4011.0000	13.3700					
F9	Postmansburg bobaan kamp	862.0000	2.8733					
F10	Postmansburg parkeer area	1166.0000	3.8867					
F11	Sishen materiaal kamp	3024.0000	10.0800					
Sub Total Material Yards Beaconsfield		78433.0000	231.2333					
Provisional 10%		7843.3000	23.1233					
Total Kimberley Material Yards		86276.3000	254.3567					

Schedule of Quantities

Contract No. SIW

Kimberley North - Test Rooms - Radio Sites

G

Station	Kilometre / Location	Asset	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
Microwave Tower									
Kimberley		Microwave Tower	1500.000	5.000					
			1500.000	5.000					

Test Rooms

Kamfersdam-Sishen

Barkly West	34.625	Test Room	150.0000	0.5000					
Ulco	67.482	Test Room	100.0000	0.3333					
Koopmansfontein	98.778	Test Room	400.0000	1.3333					
Lime Acres	151.647	Test Room	400.0000	1.3333					
Postmasburg	204.454	Test Room	600.0000	2.0000					
Sishen	269.643	Test Room	400.0000	1.3333					
				0.0000					
			2 050.0000	6.8333					

Kimberley-Kamfersdam-Fourteenstreams

Warrenton	235.116	Test Room	400.0000	1.3333					
			400.0000	1.3333					
SL, VC and Access Ways	229.10	SL, VC and access ways	75.0000	0.2500					
	21/5	SL, VC and access ways	10.0000	0.0333					
	241/3	SL, VC and access ways	18.0000	0.0600					
	242/3	SL, VC and access ways	18.0000	0.0600					
	248/3	SL, VC and access ways	52.0000	0.1733					
	252/12	SL, VC and access ways	10.0000	0.0333					
	256/1	SL, VC and access ways	10.0000	0.0333					
	271/13	SL, VC and access ways	64.0000	0.2133					
	274/8	SL, VC and access ways	16.0000	0.0533					
	275/4	SL, VC and access ways	22.0000	0.0733					

	279/13	SL, VC and access ways	70.0000	0.2333					
	286/1	SL, VC and access ways	50.0000	0.1667					
	290/6	SL, VC and access ways	30.0000	0.1000					
	294/3	SL, VC and access ways	60.0000	0.2000					
	279/12	SL, VC and access ways	40.0000	0.1333					
	301/7	SL, VC and access ways	60.0000	0.2000					
	Windsorton Relay Room	SL, VC and access ways	60.0000	0.2000					
	Crossing at VSE	SL, VC and access ways	80.0000	0.2667					
			745.0000	2.4833					

Sub Total Test Rooms / Radio sites	4 695.0000	5.6500							
Provisional	469.5000	1.5650							

Total Test Rooms and Radio Sites	5 164.5000	17.2150							
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Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS - ELECTRICAL EQUIPMENT

Item	Station	Kilometre / Location	m ²	Total Annual Worklots (300m ²)	Rate per Worklot Year 1	Sub Total Year 1	Rate per Worklot Year 2	Sub Total Year 2	Total for 2 Years
TRANSCAPE-KAMFERSDAM									
Breaker Rooms									
	CONTENT	252.785	80	0.27					
	SLYPKLIP	274.460	80	0.27					
	KAMFERSDAM	301.325	80	0.27					
			240.00	0.80					
6,6 KV Switchrooms									
	VEERTIENSTROME	229.10A	90	0.30					
	WARRENTON	235.7A	465	1.55					
	KARREEPUT	242.200	90	0.30					
	WINDSORTON ROAD	262.896	90	0.30					
	MACFARLANE at Switch Room	285.554	90	0.30					
	MACFARLANE at Sub Station	286.575	90	0.30					
	KAMFERSDAM	301.6A	90	0.30					
			005	3.35					
H - Frames									
	VEERTIENSTROME	229.165	12	0.04					
	WARRENTON	235.386	12	0.04					
	WARRENTON	235.657	12	0.04					
	WAR - WDW	241.393	12	0.04					

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KARREEPUT	242.178	12	0.04					
WAR - WDW	248.125	12	0.04					
CONTENT	252.276	12	0.04					
WAR - WDW	256.030	12	0.04					
WINDSORTON	262.500	12	0.04					
WINDSORTON	262.896	12	0.04					
WDW - RVT	271.314	12	0.04					
WDW - RVT	274.210	12	0.04					
WDW - RVT	275.300	12	0.04					
WDW - RVT	278.506	12	0.04					
RIVERTON	279.850	12	0.04					
MACFARLANE at Switch Room	285.554	12	0.04					
MACFARLANE at Sub Station	286.575	12	0.04					
MFL - KFM	290.335	12	0.04					
MFL - KFM	294.192	12	0.04					
KAMFERSDAM	298.328	12	0.04					
KAMFERSDAM	301.261	12	0.04					
		252	0.84					
TOTAL:TRANSCAPE-KAMFERSDAM		1 497.00	4.99					

KAMFERSDAM-BEACONSFIELD

11KV Substations

KIMBERLEY 'A' SUB	306.000	213	0.71					
BEC SWITCH ROOM 'J'	2.310	68	0.5					
BEC F SUB	1.850	90	0.30					
BEC 'D' SUB	0.190	24	0.08					
		395.00	1.32					

3KV Substations

VEERTIENSTROME	230.09	1 484	4.95					
KARREEPUT	242.20	1 325	4.42					
CONTENT	252.78	1 703	5.68					
WINDSORTON ROAD	262.966	1 325	4.42					
SLYPKLIP	274.442	1 480	4.93					

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MACFARLANE	285.532	1 325	4.42				
KAMFERSDAM	301.33	2 993	9.98				
BEACONSFIELD	309.163	1 500	5.00				
		13 135.00	43.78				

6,6KV Substations

BEACONSFIELD	7,878	92	0.31				
		92.00	0.31				

TOTAL: KAMFERSDAM-BEACONSFIELD		13 622.00	45.41				
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**KAMFERSDAM-HOTAZEL
3KV SUBSTATIONS**

FIELDVIEW	17.401	1 420	4.73				
WEIR	28.265	1 860	6.20				
BARKLEY WES	38.632	1 620	5.40				
GONG-GONG	49.831	2 100	7.00				
BORRELSKOP	61.044	1 080	3.60				
ULCO	72.737	2 310	7.70				
KNEUKEL	83.868	1 260	4.20				
NOOIBOS	95.108	1 680	5.50				
KOOPMANSFOTEIN	106.338	1 380	4.60				
PLATEAU	117.659	1 620	5.40				
ARIESFONTEIN	128.888	1 260	4.20				
TREWIL	140.213	1 650	5.50				
LIME ACRES	150.364	260	4.20				
CLIFTON	162.596	1 350	6.50				
GROENWATER	172.919	900	3.00				
BLINKKLIP	183.658	1 650	5.50				
TSANTSEBANE	194.258	1 200	4.00				
POSTMANSBURG	206.316	1 740	5.80				
BEESHOEK	216.692	1 350	4.50				
PALINGPAN	227.099	1 710	5.70				
GLOSAM	238.158	1 500	5.00				

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LOHATLHA	248.480	1 800	6.00					
MOOKANENG	258.443	1 200	4.00					
SISHEN	268.191	1 740	5.80					
WICANTON	290.635	1 740	5.80					
MAMATHWANE	312.763	1 620	5.40					
HOTAZEL	334.059	1 620	5.40					
	42 220.00	140.73						

TIE-STATIONS

EMIL	279.941	72	0.24					
VLERMUISLAAGTE	301.621	72	0.24					
WITLOOP	323.413	72	0.24					
	216.00	0.72						

H - FRAMES

KIMBERLEY STATION	PR/306.399	12	0.04					
MFL - FDW	FL/011.543	12	0.04					
KFM - BEC	3.320	12	0.04					
KFM - BEC	5.996	12	0.04					
KFM - HLZ	7.720	12	0.04					
FIELDSFIEW STATION	17.912	12	0.04					
FDW - WEI	22.779	12	0.04					
WEIR STATION	28.363	12	0.04					
WEI - BKY	31.362	12	0.04					
WEI - BKY	31.962	12	0.04					
QRR	32.451	12	0.04					
BARKLY WEST STATION	S17	12	0.04					
BARKLY WEST	38.632	12	0.04					
BKY - BAD	39.582	12	0.04					
BAD STATION	42.952	12	0.04					
BAD - GOG	47.300	12	0.04					
GOG - WRS	51.279	12	0.04					
WRS STATION	55.009	12	0.04					
BORRELSKOP SUB	60.956	12	0.04					

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BORRELSKOP STATION	61.470	12	0.04						
ULCO STATION	67.433	12	0.04						
ULCO WEST	69.788	12	0.04						
ULCO WEST	72.750	12	0.04						
GHAAP STATION	79.600	12	0.04						
KNEUKEL SUB	83.868	12	0.04						
GAP - KNL	85.870	12	0.04						
OLEA STATION	88.957	12	0.04						
OLA - KPM	94.921	12	0.04						
KPM STATION	98.717	12	0.04						
KPM SUB	106.342	12	0.04						
PLATEAU STATION	112.035	12	0.04						
PTU - AFN	117.675	12	0.04						
PTU - AFN	122.674	12	0.04						
ARRIESFONTEIN STATION	126.167	12	0.04						
ARRIESFONTEIN SUB	128.888	12	0.04						
TREWIL STATION	134.362	12	0.04						
SVR STATION	145.807	12	0.04						
SVR STATION	146.267	12	0.04						
LIME ACRES SUB	150.364	12	0.04						
LIME ACRES STATION	151.626	12	0.04						
LAC - LSC	161.070	12	0.04						
LSC - CTN	166.072	12	0.04						
CTN - GWR	170.909	12	0.04						
GROENWATER SUB	172.919	12	0.04						
GROENWATER STATION	174.360	12	0.04						
BLINKKLIP STATION	186.458	12	0.04						
TSE SUB	194.258	12	0.04						
TSE STATION	195.342	12	0.04						
PMG STATION	204.155	12	0.04						
PMG STATION	204.789	12	0.04						
PMG SUB	206.408	12	0.04						
PMG - BEK	210.640	12	0.04						
BEK STATION	212.338	12	0.04						
BEK - BOK	213.570	12	0.04						
BEESHOEK SUB	216.692	12	0.04						

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BOKKOPPIE STATION	221.318	12	0.04					
PALINGPAN STATION	227.702	12	0.04					
GLOSAM STATION	232.675	12	0.04					
GLOSAM STATION	232.778	12	0.04					
GLOSAM SUB	238.158	12	0.04					
LOHATHLA STATION	241.083	12	0.04					
HBL STATION	251.181	12	0.04					
MOOKANENG STATION	256.510	12	0.04					
MOOKANENG SUB	258.443	12	0.04					
LILYVELD TURN OFF	266.116	12	0.04					
SISHEN STATION	268.970	12	0.04					
SISHEN STATION	269.639	12	0.04					
EMIL TIE	279.561	12	0.04					
WINCANTON SUB	290.635	12	0.04					
WINCANTON STATION	294.427	12	0.04					
		840.00	2.80					

Breacker Rooms								
FIELDSVIEW	17.401	80	0.27					
KNEUKEL	83.868	80	0.27					
		160	0.53					

TOTAL: KAMFERSDAM-HOTAZEL	43 436.00	144.7866						
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Sub Total Electrical Equipment	58 555.00	195.18						
Provisional 10 %	5 855.50	19.52						

Total Sub Stations and Relay Rooms	64 410.50	214.70						
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Summarised Schedule of Quantities

Contract No. SIW

KIMBERLEY NORTH YARDS

ITEM	Description	Area (m ²) excluding provisional	Area (m ²) including provisional	Total Worklots 300 (m ²) excluding provisional	Total Annual Worklots 300 (m ²) inclusive of provisional
A	Total Kimberley Yards	1 626 251.0000	1 788 876.1000	5 420.8367	5 962.9203
B	Total Signal Boxes	6 363.0000	6 999.3000	21.2100	23.3310
C	Total Signal Equipment	6 874.0000	7 567.4000	22.9133	25.2047
D	Total Signal Assets	258.0000	287.8000	0.8600	0.9460
E	Total Signal Potheads	620.0000	682.0000	2.0667	2.2733
F	Total Material Yards	78 433.0000	86 276.0000	261.4433	287.5877
G	Total Radio Sites	4 695.0000	5 164.5000	15.6500	17.2150
H	Total Electrical Equipment	58 555.0000	64 410.5000	195.1833	214.7017
Total Kimberley North Depot		1 782 649.0000	1 960 253.9000	5 940.1633	6 534.1797

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

allegation that the Respondent overlooked any such condition or failed properly to take it into account for the purpose of calculating tendered prices or otherwise:

1. Specifications and drawings included in this RFQ - if applicable; and
2. The following documents all of which are available on Transnet's website or upon request:
 - 2.1. General Bid Conditions;
 - 2.2. Standard RFQ Terms and Conditions for the Supply of Goods or Services to Transnet;
 - 2.3. Supplier Integrity Pact;
 - 2.4. Non-disclosure Agreement; and
 - 2.5. Vendor Application Form and all supporting documents (first time vendors only)

Alternatively, for all existing vendors, please provide vendor number(s) here:

Transnet Operating Division	Unique Vendor Number	Yes / No
Transnet Group		
TFR, etc.		

In the Yes/No column above, please confirm that all the information e.g. company address and contact details, banking details etc. are still correct as at the time of allocation of the vendor number(s). Alternatively, Respondents are required to provide the updated information with their bid submission.

SIGNED at _____ on this _____ day of _____ 20____

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____
Name _____

2 _____
Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

SECTION 4

RFQ DECLARATION AND BREACH OF LAW FORM

NAME OF ENTITY: _____

We _____ do hereby certify that:

1. Transnet has supplied and we have received appropriate responses to any/all questions [as applicable] which were submitted by ourselves for RFQ Clarification purposes;
2. we have received all information we deemed necessary for the completion of this Request for Quotation [RFQ];
3. we have been provided with sufficient access to the existing Transnet facilities/sites and any and all relevant information relevant to the Supply of the Goods as well as Transnet information and Employees, and has had sufficient time in which to conduct and perform a thorough due diligence of Transnet's operations and business requirements and assets used by Transnet. Transnet will therefore not consider or permit any pre- or post-contract verification or any related adjustment to pricing, service levels or any other provisions/conditions based on any incorrect assumption made by the Respondent in arriving at his Bid Price.
4. at no stage have we received additional information relating to the subject matter of this RFQ from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the RFQ documents;
5. we are satisfied, insofar as our entity is concerned, that the processes and procedures adopted by Transnet in issuing this RFQ and the requirements requested from Bidders in responding to this RFQ have been conducted in a fair and transparent manner; and
6. furthermore, we declare that a family, business and/or social relationship **exists / does not exist** [delete as applicable] between an owner / member / director / partner / shareholder of our entity and an employee or board member of the Transnet Group including any person who may be involved in the evaluation and/or adjudication of this Bid.
7. In addition, we declare that an owner / member / director / partner / shareholder of our entity **is / is not** [delete as applicable] an employee or board member of the Transnet Group.

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

8. If such a relationship as indicated in paragraph 6 and/or 7 exists, the Respondent is to complete the following section:

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

ADDRESS:

Indicate nature of relationship with Transnet:

[Failure to furnish complete and accurate information in this regard will lead to the disqualification of a response and may preclude a Respondent from doing future business with Transnet]

9. We declare, to the extent that we are aware or become aware of any relationship between ourselves and Transnet [other than any existing and appropriate business relationship with Transnet] which could unfairly advantage our entity in the forthcoming adjudication process, we shall notify Transnet immediately in writing of such circumstances.

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CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

BREACH OF LAW

10. We further hereby certify that *I/we have/have not been* [delete as applicable] found guilty during the preceding 5 [five] years of a serious breach of law, including but not limited to a breach of the Competition Act, 89 of 1998, by a court of law, tribunal or other administrative body. The type of breach that the Respondent is required to disclose excludes relatively minor offences or misdemeanours, e.g. traffic offences. This includes the imposition of an administrative fine or penalty.

Where found guilty of such a serious breach, please disclose:

NATURE OF BREACH:

DATE OF BREACH: _____

Furthermore, I/we acknowledge that Transnet SOC Ltd reserves the right to exclude any Respondent from the bidding process, should that person or entity have been found guilty of a serious breach of law, tribunal or regulatory obligation.

SIGNED at _____ on this ____ day of _____
20__

For and on behalf of _____ duly authorised hereto	AS WITNESS:
Name:	Name:
Position:	Position:
Signature:	Signature:
Date:	Registration No of Company/CC _____
Place:	Registration Name of Company/CC _____

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

Vendor Application Form

Company trading name			
Company registered name			
Company Registration Number or ID Number if a Sole Proprietor			
Form of entity [✓]	<input checked="" type="checkbox"/> CC	<input type="checkbox"/> Trust	<input type="checkbox"/> Pty Ltd
	<input type="checkbox"/> Limited	<input type="checkbox"/> Partnership	<input type="checkbox"/> Sole Proprietor
VAT number [if registered]			
Company telephone number			
Company fax number			
Company email address			
Company website address			
Bank name		Branch & Branch code	
Account holder		Bank account number	
Postal address			Code
Physical Address			Code
Contact person			
Designation			
Telephone			
Email			
Annual turnover range [last financial year]	<input type="checkbox"/> < R5 m	<input type="checkbox"/> R5 - 35 m	<input type="checkbox"/> > R35 m
Does your company provide	<input type="checkbox"/> Products	<input type="checkbox"/> Services	<input type="checkbox"/> Both
Area of delivery	<input type="checkbox"/> National	<input type="checkbox"/> Provincial	<input type="checkbox"/> Local
Is your company a public or private entity	<input type="checkbox"/> Public	<input type="checkbox"/> Private	
Does your company have a Tax Directive or IRP30 Certificate	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Main product or services [e.g. Stationery/Consulting]			

Complete B-BBEE Ownership Details:

% Black ownership	%	% Black women ownership	%	% Disabled Black ownership	%	% Youth ownership	%
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Respondent's Signature

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Date & Company Stamp

CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS

Does your entity have a B-BBEE certificate:	Yes	No
What is your B-BBEE status [Level 1 to 9 / Unknown]		
How many personnel does the entity employ:	Permanent	Part time

If you are an existing Vendor with Transnet please complete the following:

Transnet contact person:	
Contact number:	
Transnet Operating Division:	

Duly authorised to sign for and on behalf of Company / Organisation:

Name	Designation
Signature	Date

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PROJECT SPECIFICATION YARDS VEGETATION CONTROL

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 - 8.1. RETURNABLE SCHEDULES
 - 8.2. RETURNABLE DOCUMENTS

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1. DESCRIPTION OF THE WORKS

1.1. EMPLOYERS OBJECTIVE

- 1.1.1. The essence of the Agreement is that Transnet Freight Rail requires the control of living vegetation and the management of dead remains of previously living vegetation, to the extent that areas treated in terms of the Agreement are free from any form of vegetation (dead or otherwise) which may obstruct, hinder or interfere with operational activities, or have the potential to damage equipment or facilities, on tracks or other areas included in the Agreement.
- 1.1.2. The ways and means by which the above-mentioned results are obtained are the responsibility of the Supplier. Transnet Freight Rail, however, shall have the right to monitor the materials and activities of the Supplier to ascertain that all procedures and herbicidal applications are in accordance with his/her tender, the relevant legislation and are conducive to the achievement of long-term control of vegetation. Such right of monitoring shall be entirely without prejudice to Transnet Freight Rail and shall in no way relieve the Supplier of his/her responsibility for satisfactory control of vegetation.
- 1.1.3. Failure to comply with the minimum performance proposed by the Supplier in his/her tender may form the basis for non-payment for work done, pending the achievement of control as defined and/or termination or cancellation of the Agreement.
- 1.1.4. The Supplier must obtain his/her own information regarding the extent, occurrence and the species of the vegetation over the work area. He/she must also determine the best method to control the vegetation.
- 1.1.5. The Agreement will only be awarded to a tenderer who has the required experience in the application of herbicides in Southern Africa as stipulated in terms of the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, Act 36 of 1947.

1.2. OVERVIEW OF THE WORKS

The Agreement covers the control of vegetation in mainly yards including declared weeds and declared invader plants, by means of chemical herbicides on Transnet property, to the extent that areas treated chemically or otherwise in terms of this Agreement are rendered and maintained free from obstructing vegetation as defined for the periods specified herein.

1.3. PERFORMANCE BOND:

- 1.3.1. Transnet Freight Rail requires a Performance Bond of 10% of the total value of the Agreement as security for the due and faithful performance by the Supplier of all the duties and obligations resting upon and assumed by him in terms of the Agreement.
- 1.3.2. The Performance Bond is to be returned to the Supplier upon completion of the Agreement after certification from the Project Manager that all Agreement requirements have been met

1.4. EXTENT OF THE WORKS

The service information briefly consists of the following:

- The control of vegetation, including declared weeds and declared invader plants by means of chemical herbicides of mainly yards as indicated in the Schedule of Requirements.
- The execution of the works shall include any work arising from or incidental to the service information or required of the Supplier for the proper completion of the

Agreement in accordance with the true meaning and detail of the Agreement documents.

- The Supplier shall obtain his/her own information regarding species occurrence and extent of vegetation to be controlled in order to comply with the required standards.

1.4.1. The extent of the work consists of mainly yards as indicated in the Schedule of Requirements.

1.4.2. The performance due by the Supplier shall include any work arising from or incidental to the above or required of the Supplier for the proper completion of the Agreement in accordance with the true meaning and intent of the Agreement documents.

1.4.3. The Supplier shall obtain his/her own information regarding species occurrence and extent of vegetation to be controlled in order to comply with the required standards.

1.5. LOCATION OF THE WORKS

1.5.1. The location of the works is as indicated in the Prices List and is in the geographical area controlled by the Depot Engineer (As per schedule of quantities).

1.5.2. Transnet Freight Rail's representative will provide one-copy schematic diagrams to the successful tenderer, indicating the areas to be treated.

1.6. DURATION OF AGREEMENT

The work provides for the control of vegetation for commencing on the date of notification of acceptance of tender with Transnet Freight Rail for a period of **24 months**.

2. GENERAL MAINTENANCE ASPECTS

2.1. WORK SPECIFICATIONS

2.1.1. Standard Specifications

The following Standard Specifications will be applicable to this Agreement:

- SANS 1200A – General
- SABS Code of Practices no 0206-1983 "Safety procedures for the disposal of surplus pesticides and associated toxic waste."

2.1.2. Generic Specifications:

The following Generic Specifications will be applicable to this Agreement:

- Transnet generic specifications.
- E4E (August 2006): Safety arrangements and procedural compliance with the Occupational Health and Safety Act, Act 85 of 1993 and regulations.
- E7/1 (July 1998); Specifications for works on, over, under or adjacent to railway lines and near high voltage equipment.

2.2. PLANT AND MATERIAL

2.2.1. Any plant and/or equipment provided to the Supplier at the beginning of the Agreement shall be returned to Transnet Freight Rail in the same condition, normal wear and tear accepted. Any loss or damage shall be made good by the Supplier, or the value thereof will be deducted from moneys falling due to him/her.

2.2.2. The Supplier shall provide written certification of compliance with specification of any materials (chemical) or equipment supplied by him / her.

2.3. CONSTRUCTION EQUIPMENT

All equipment necessary to execute the works shall be supplied by the Supplier.

2.4. EXISTING SERVICES

2.4.1. Reinstatement of services and property damaged during execution of the work.

2.4.2. Any damages caused by the Supplier to Transnet property and services shall be rectified by the Supplier at his own cost and to the full satisfaction of the Transnet Freight Rail's representative.

2.5. SITE ESTABLISHMENT

2.5.1. SERVICES AND FACILITIES PROVIDED BY THE EMPLOYER.

2.5.1.1. In the case of a Agreement for vegetation control the following will be provided free of charge:

2.5.1.2. Water as required from Transnet Freight Rail's existing points of supply; such water may be untreated, chemically treated or borehole water. The Supplier shall be responsible for all work and equipment needed to fill the water trucks or spray units from the water point provided and to ensure that the water is suitable for its intended use. These water points may be up to 200km apart.

2.5.1.3. Road vehicle accessibility via service roads to the work site is not always possible.

2.5.1.4. Inspections of the area of work by motor trolley may be arranged with the Project Manager's Deputy, but will have to coincide with normal track inspections carried out by the inspection /technical staff of the Depot. The Project Manager's Deputy shall be given timeous notice (4 calendar weeks) of the Supplier's intention to inspect.

2.5.1.5. Any plant and/or equipment provided to the Supplier at the beginning of the Agreement shall be returned to Transnet Freight Rail in the same condition, normal wear and tear accepted. Any loss or damage shall be made good by the Supplier, or the value thereof will be deducted from moneys falling due to him/her.

2.5.2. TO BE PROVIDED BY THE SUPPLIER

2.5.2.1. In addition to all labour materials, plant, equipment and incidentals needed to complete the work, the Supplier shall provide all accommodation and toilet facilities for his/her employees.

2.5.2.2. The Supplier shall provide safe and secure storage facilities for all herbicides or chemicals brought onto and in use on the site. Such facilities shall be capable of ensuring that unauthorised persons or animals cannot gain access to such chemicals.

2.5.2.3. The Supplier shall provide at his/her own cost any security measures he/she may deem necessary for safe and effective execution of the work within the Agreement area.

2.5.2.4. The personnel of the Supplier shall at all time, while on Transnet Freight Rail property and during vegetation control operations, wear reflective safety jackets. These jackets must either be yellow or light blue or preferably bear the name of the Supplier's company. Should

the Supplier wish to use another colour this must first be cleared with the Project Manager's Deputy or his/her deputy

- 2.5.2.5. An effective safety procedure to be followed by all personnel on any Transnet Freight Rail work site shall be compiled by the Supplier and implemented before any work commences. The procedure shall be updated whenever the need arises and any changes shall be communicated to all employees on a work site before work proceeds.

3. MANAGEMENT OF THE WORKS

3.1. SITE MEETINGS

The Supplier shall attend site meetings when required. These meetings will be held under the chairmanship of Transnet's representative. These meetings will be conducted to monitor progress and discuss agreed issues when required. A register will be kept of attendance and a minute of the proceedings will be recorded and distributed afterwards. When sub-Suppliers are required to attend, the Supplier shall ensure their attendance.

3.2. SITE BOOKS

- 3.2.1. A Site Instruction Book, A4 size, with triplicate pages shall be provided by the Supplier. The format for written communication on site shall be the Site Instruction Book. The site instruction shall have numbered sheets for receiving and recording instructions by the Employer's representative and shall be clearly marked "Site Instruction Book".

- 3.2.2. A Daily Diary Book with triplicate pages shall be provided by the Supplier and be available on site at all times. The number of staff and plant on site for every day shall be recorded. The hours of actual work and the accurate amount of work measured per item as in the Schedule of Requirements completed for each day shall also be recorded and signed off by both Transnet Freight Rail (TFR) and the Supplier at the end of each day. This site diary shall also serve as a daily record of all relevant information concerning herbicide application and site conditions prevailing on site and as required in terms of section 16 of Act 36 of 1947.

- 3.2.3. Only persons authorised in writing by the Project Manager or Supplier may make entries in the site books.

3.3. PROGRAMME OF WORK

- 3.3.1. The Supplier shall undertake the planning and programming of the entire vegetation control operation and shall submit to the Project Manager's Deputy for approval full particulars thereof within 2 weeks from the date of notification by Transnet Freight Rail of the acceptance of his/her tender or the commencement of the annual rainy season as the case may be.

- 3.3.2. The particulars to be provided in respect of the Supplier's vegetation control programme shall include but not be limited to the following:

- 3.3.3. An assessment, based on a proper site investigation of the nature and types of vegetation to be controlled in the Agreement area,

- 3.3.4. The appropriate methods and procedures to be implemented by him/her to achieve the standards of vegetation control required in terms of the Agreement,

- 3.3.5. The chemicals to be applied, design mixes, rates of application and the timing and number of applications.

- 3.3.6. The methods and procedures to be implemented in mixing of chemicals pertaining to health and safety, quality control, protection of third parties and security,
- 3.3.7. The Supplier shall conduct regular site investigations and monitoring procedures for the purpose of:
- Ascertaining the nature of weed infestation and factors that could influence the work;
 - monitoring the standard of weed control achieved;
 - identifying any damage or hazards which may have been caused by the weed control operation, and
 - planning of timeous execution of remedial work where control is not being achieved.
- 3.3.8. The Supplier's programme shall allow for commencement with the initial application of chemicals at the appropriate timing, i.e. coinciding with the initial rainy season, for achieving maximum success and for completion in the shortest possible time, but not later than six weeks after commencement of the initial application.
- 3.3.9. The programme shall be based on the quantities and numbers of worklots shown in the Schedule of Requirements.
- 3.3.10. In addition to the annual programme provided the Supplier shall submit daily working programmes to the Project Manager's Deputy, 7 days in advance of the next working week, indicating the specific areas where the Supplier will be working each day of the week. Failure by the Supplier to submit a daily programme and/or deviating from it without notifying the Project Manager's Deputy, preventing him/her from monitoring the Supplier's performance, may result in payment for such work being withheld.

3.4. PERFORMANCE MONITORING AND EVALUATION / INSPECTIONS

- 3.4.1. The Supplier shall at all times be responsible for supervision of the work and for follow-up inspections to monitor the successful control achieved over areas of completed application. He/she shall immediately take appropriate remedial action in areas where the specified standards of control are not achieved.
- 3.4.2. The Project Manager's Deputy shall at any time during the application periods carry out inspections of the Supplier's performance methods and procedures. He/she may at any time take samples of the chemicals applied and arrange for the testing thereof. Where test-samples fail to conform to the specifications the costs of testing will be recovered from the Supplier and he/she may be ordered by the Project Manager's Deputy to re-treat entire worklots or sections where such chemicals were applied.
- 3.4.3. The Project Manager's Deputy will during each growth season carry out **[two / three]** official inspections of the work for the purpose of measuring progress and evaluating whether control, as defined, has been achieved. The inspections shall be performed visually and the Supplier shall be present or forfeit his/her right to dispute the measurements and evaluation of the Project Manager's Deputy.
- 3.4.4. The first inspection shall be done at, or within [20] weeks after completion of the Supplier's initial spraying programme and after he/she has notified the Project Manager's Deputy that he/she has inspected the work and that control has been achieved. This inspection may be brought forward but not by more than four (4) weeks.
- 3.4.5. The second inspection of the season will be carried out at, or within [36] weeks after completion of the Supplier's initial spraying programme and after he/she has notified the Project Manager's Deputy that he/she has inspected the work and that control has been achieved. This inspection may be brought forward but not by more than four (4) weeks.

3.4.6. During each of these inspections the worklots treated will each be measured and evaluated. A worklot that does not comply with the specified level of control will be recorded as a "rejected worklot".

3.4.7. The rejection of worklots that do not comply with the standard of control for individual worklots will be final and valid for that inspection in that particular year.

The rejection by the Project Manager's Deputy of work performance may be contested by the Supplier only at the time and place of rejection.

The rejection of a worklot at a particular inspection shall remain final for that inspection for payment purposes, notwithstanding the fact that the Supplier may execute further remedial work in order to achieve control at further and final inspections.

3.4.8. In the case where the Project Manager's Deputy and the Supplier fail to agree on whether a worklot has failed, the worklot shall be recorded as a "disputed worklot" and the Supplier shall prepare an appropriate record of all disputed worklots in order that such disputes may be resolved by way of the disputes resolution procedures stipulated in the clause 25 of the standard terms and conditions of contract for the provision of services to Transnet (form US7-Services).

4. ENVIRONMENTAL REQUIREMENTS

4.1. COMPLIANCE WITH STATUTES

4.1.1. The Supplier's procedures for the procurement, storage, handling, transportation, application and general use of chemicals shall comply with all applicable legislation, Codes of Practice and Local, Regional or Provincial Authorities, including but not restricted to:

- a) The Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (Act 36 of 1947) as amended.
- b) The Hazardous Substance Act (Act 15 of 1973) as amended.
- c) The Water Act (Act 54 of 1956) and the Water Amendment Act (Act 96 of 1984)(where applicable).
- d) The National Environmental Management Act (Act 107 of 1998).
- e) SARS Code of Practice No. 0206-1985 "Safety procedures for the disposal of surplus pesticide and associated toxic waste".
- f) Conservation of Agricultural resources Act (Act 43 of 1983) as amended.
- g) Common law of nuisance.
- h) Mountain Catchment Area Act (Act 63 of 1970).
- i) The National Veld and Forest Fire Act (Act 101 of 1989)

4.1.2. The Supplier's authorised representative on site shall be a registered Pest Control Operator, specialising in the field of weed control and registered in terms of the Farm Feeds Agricultural and Stock Remedies Act, Act 36 of 1947 as amended. A registered Pest Control Operator shall be in direct control of work taking place on site.

In the event of work taking place on numerous sites at the same time, the Supplier must ensure that there is a registered Pest Control Operator on each site.

4.2. DAMAGE TO FAUNA AND FLORA

4.2.1. The Supplier shall ensure that his/her employees at all times exercise care and consideration for the fauna and flora within and adjacent to the area to be sprayed.

4.2.2. The Supplier shall not apply any chemicals of an explosive, inflammable, highly volatile or corrosive nature, which may damage crops vegetation or property or be hazardous to humans or animals. The Supplier shall assume full responsibility for the efficiency and safety of whatever chemicals are used.

4.2.3. Dumping or polluting of any kind will not be permitted. This stipulation is also applicable to the washing out of tanks and equipment containing harmful chemicals and pollutants.

The Supplier shall institute and maintain procedures for the safe disposal of all chemicals and residual materials originating from the execution of the works.

Containers and residual material shall not be disposed of on Transnet Freight Rail property or as part of Transnet Freight Rail refuse.

4.2.4. The Supplier shall take particular note of environmentally sensitive areas and shall plan and execute his/her work with the utmost care and responsibility.

5. PARTICULAR SPECIFICATIONS

This part covers the techniques, types and use of spraying equipment, required standards of workmanship, inspections, measurement, payment, and acceptability of the works in respect of the control of vegetation required in terms of the Agreement.

5.1. DEFINITIONS

5.1.1. **Project Manager's Deputy.** Any person appointed by the Employer to deputise for him / her in supervising and carrying out the Agreement.

5.1.2. CONTROL

5.1.2.1. Control is achieved when all existing or potential growth of vegetation is permanently impaired or destroyed by the application and effects of chemical herbicides, to the extent that:

- The constituent parts of all plants occurring within the area of treatment (worklots) cease to exist as living organisms or entities; and
- the development of new growth of plants from dormant seeds is effectively counteracted or suppressed, for at least the growing season of the year in question; and
- There are no dead or dry remains of any vegetation within the treated area (work lot), which may constitute a hazard, danger, or hindrance to Transnet Freight Rail personnel, equipment trucks or operations.

5.1.2.2. Control constitutes a process or situation where the destruction of vegetation on treated areas occurs on an **on-going basis** and not only at the time of measurement and payment inspections.

5.1.3. WORKLOTS

5.1.3.1. A WORKLOT is a subdivision of any area on which the Supplier shall control vegetation.

- In the case of yards and areas of a work lot will be areas of 300m² each.
- Worklots in yards, depots/areas are not demarcated individually. The number of worklots within any area to be treated is calculated by dividing the total

surface area by the surface area of single work lot i.e. 300 square metres.

- In yards, depots/areas where control is required worklots may be irregular in shape. For inspection and payment purposes, worklots shall be physically measured where necessary. In such instances the Project Manager's Deputy shall decide in advance and advise the Supplier accordingly, of the method of measurement to be adopted in any particular area.
- In yards, depots/areas worklots will normally be measured parallel to the main direction of the track work present, or parallel to the main axis of any other area. Worklots will not be measured individually in different directions but will form part of a pattern of continuous and parallel worklots covering, in the most effective manner possible, the surface of any particular area.
- A work lot for cable routes will normally be areas of 0.75m wide on both sides and parallel to the cable route and 200m long.

5.1.3.2. **However, if any provisional work lot has been sprayed under this Agreement the previous year and the same work lot is again sprayed the next year, payment for the second and consecutive years sprayed would be at the normal rate applicable for that area and the work would be considered as additional work to the Schedule of Requirements.**

5.1.3.3. Formation is the finished earthworks surface upon which the track is laid.

5.1.3.4. Ballast means that part normally consisting of crushed stone, gravel, ash or muck, (the material placed on the formation to support the track superstructure).

5.1.3.5. Declared weeds means category 1 plants and declared invader plants means category 2 and 3 plants proclaimed under the Conservation of Agricultural Resources Act, Act No. 43 of 1983, including amendments (GN Regulation 1048 of 25/05/1984 amended by GN Regulation 280 of 30/03/2001) thereto.

5.1.3.6. Spraying means the even and uniform application of chemical herbicides at the rate specified and applies to liquid, granular or any other formulation.

5.2. METHOD OF VEGETATION CONTROL

5.2.1. The Supplier's methods and program shall provide rapid and effective control in all areas. Techniques, programming and chemicals employed shall therefore be directed at this aim. The Supplier shall carry out immediate treatment of growth in all instances where rapid and effective control is not achieved during any period of the Agreement.

5.2.2. Where a chemical approach to vegetation control is adopted, hoeing (skoffel) will not be allowed as method of achieving control. Herbicides which act as a scorching agent (e.g. with Paraquat or similar active ingredient) are incapable of meeting the definition of control and shall not be used. Scorching of canopy growth only shall not constitute control of vegetation as defined. Slashing of dead material to below the height specified in 5.3.3. will be permitted.

5.2.3. Vegetation control in terms of the Agreement will normally be required in respect of the yards. The type of herbicides and the methods of application to be employed are as specified in the applicable returnable documents (clause 8.2) and are subject to the approval of, and monitoring by the Project Manager's Deputy.

- 5.2.4. The Project Manager's Deputy's approval shall first be obtained for use of other herbicides.
- 5.2.5. Application methods shall, however, be entirely in accordance with the manufacturer's specifications and recommendations for safe and effective use of the herbicides or herbicide mixtures concerned.
- 5.2.6. Any deviation from the method of work submitted as per the applicable returnable document (Clause 8.2) by the Supplier shall be subject to the approval of the Project Manager's Deputy.

5.3. STANDARDS OF WORKMANSHIP

- 5.3.1. Standard of vegetation control for individual worklots.
- 5.3.2. Vegetation control shall be such that there is no live vegetation growth (including creepers) exceeding 150mm in any dimension, occurring in the worklot, nor more than fifteen (15) live plants of any lesser size.

This excludes overhanging canopy growth of plants:

- (a) with rootstock established entirely outside the worklot.
- (b) with rootstock established on the boundary of the worklot, provided that:
- control was achieved over the remainder of the worklot.
 - a clear spray line is visible, showing that herbicide was effectively applied over the entire surface of the worklot.
 - the Supplier took the presence of such growth into account and that the choice of herbicides and chemical use was adjusted accordingly.
 - The boundary concerned is not the boundary of an adjoining worklot.

This exception does not apply in the case of creeping grasses (e.g. Cynodon) with nodal rooting within the worklot even though such growth may originate from a plant outside the worklot.

- 5.3.3. In addition, there shall be no dry or dead remains of vegetation within the worklot greater than 150mm in height and of a density such that it constitutes a hazard, hindrance or danger to Transnet Freight Rail operations, trucks or equipment in the area.

The evaluation to what density of dry or dead growth constitutes a hazard, hindrance or obstruction shall be made by the Project Manager's Deputy.

5.4. MANUAL REMOVAL OF VEGETATION

No felling or hoeing of vegetation will be allowed during the two months preceding final inspection. Herbicides may not be applied 2 weeks preceding final inspection for a season or a year's program. All lots where such hoeing and felling or herbicides application were done will be rejected.

For this Agreement, the Supplier should timeously acquaint him/herself with the existing conditions of the sites and ensure that his/her tender prices for the **first year only**, includes all work necessary to achieve the required control, e.g. slashing and removal of debris before or just after spraying. The intention to slash and remove should be cleared with the Project Manager's Deputy prior to work starting.

5.5. PRICE ADJUSTMENT FOR INFLATION:

- 5.5.1. A contract price adjustment factor to be determined in accordance with the formula will be applied to allow for all increases or decreases in costs, from any cause whatsoever, which may occur after the closing date of the submission of tenders and before the date of completion. The factor shall be rounded off to six decimal places.

The contract price adjustment factor shall be -

$$(1 - x) \left(0.20 \frac{L_t}{L_o} + 0.05 \frac{P_t}{P_o} + 0.70 \frac{M_t}{M_o} + 0.05 \frac{D_t}{D_o} - 1 \right)$$

where $x = 0,15$ and

L_o , P_o , M_o and D_o are respectively labour, machinery, material and diesel fuel indices ruling for the calendar month four (4) months prior to closing date of the tender;

L_o , P_o , M_o and D_o are respectively labour, machinery, material and diesel fuel indices ruling for the calendar month four (4) months prior to closing date of the tender;

L_t , P_t , M_t and D_t are respectively labour, machinery, material and diesel fuel indices ruling for the calendar month four (4) months prior to the date of measurement.

- 5.5.2. The indices to be used shall be those for the Consumer Price Index and Production Price Index as obtained from the monthly Statistical News Release published by STATS South Africa.
- 5.5.3. L_o and L_t shall be the labour indices for Metropolitan Areas (P0141.1 Table 7.1).
 P_o and P_t shall be the average of the price indices of Non-Electrical Machinery multiplied by an equalizing factor of 1,00800 and Transport Equipment in the ratio of 1:1 (P0142.1 Table 10 item 2.16 and 2.21 respectively).
 M_o and M_t shall be the price indices of Chemical and Chemical herbicides used in table 10 of the PO142.1 item 2.11 Basic Chemicals
 D_o and D_t shall be the price indices of "Diesel Oil –Coast & Witwatersrand" (P0142.1 Table 16).
- 5.5.4. When the value of an index at the time of calculation is not known the latest available index shall be used and any correction necessary shall be made by addition or subtraction in subsequent monthly payment certificates.
- 5.5.5. The amounts to be added to or subtracted from the monthly payment certificates shall be calculated by multiplying the amount certified for payment for that month (but excluding amounts not subject to price adjustment) by the Agreement price adjustment factor for that month.
- 5.5.6. Adjustment to measurements of previous months' quantities will be included in calculation of the amount certified for payment and will therefore be subject to the price adjustment factor of the current measurement month.
- 5.5.7. Any additions to or deductions from the amount payable, brought about by the application of the Agreement price adjustment factor, shall be deemed to have made full allowance for all increases or decreases in cost from any cause whatsoever, including all overhead costs as well as any increases and decreases therein, and profit.

5.5.8. Value added tax shall be excluded from individual payment item rates and price adjustment indices as it will be added to the total of the month's measurement, after price adjustment have been made in terms hereof.

5.5.8.1. The Price Adjustment Factor calculated at the completion of the works is used for calculating price adjustment after this date.

5.6. REMEDIAL WORK

5.6.1. The Supplier shall carry out remedial work to all worklots where control has not been achieved, prior to the official inspections taking place. Such remedial work shall include the removal of dry or dead growth with any dimensions in excess of 150mm and forming a nuisance or hazard to Transnet Freight Rail operations, from the treated worklots.

5.6.2. The Project Manager's Deputy may, at any time after the first measurement order the Supplier to carry out remedial action, to commence within 2 weeks after being so ordered. Prior to the commencement of this proposed remedial action an envisaged remedial work program must be submitted to the Project Manager's Deputy for his/her approval. Failing to do so the Project Manager's Deputy may arrange for such action to be carried out by others at the cost of the Supplier.

5.6.3. Hoeing (skoffel) will not be allowed on its own as a remedial action.

5.6.4. Fire may not be used as a method of vegetation control or as a method of remedial action.

5.7. OVERALL CONTROL

5.7.1. The overall standard of control to be achieved by the Supplier over the Agreement area, defined as "Overall Control" and expressed as a percentage, will be determined by application of the following formula;

$$\text{Overall Control} = \frac{(\text{Worklots treated} - \text{Worklots rejected})}{\text{Worklots treated}} \times 100$$

5.7.2. The standard of "Overall Control" (service level table) to be provided on each district by the Supplier shall be:

YEAR	1	2 and Consecutive years
Minimum % of the total work, which shall comply, with the standard of control for individual work-lots.	80	90

5.7.3. Failure by the Supplier to achieve the standard of "Overall Control" shall constitute a material breach of Agreement by the Supplier, which will entitle the Employer to act in terms of the standard terms and conditions of contract for the provision of services to Transnet (form US7- Services).

6. GENERAL SPECIFICATIONS

6.1. GENERAL

- 6.1.1. E4E (January 2004) – Safety Arrangements and Procedural Compliance with the Occupational Health and Safety Act.
- 6.1.2. Specification E7/1 (Jul 1998): Specification for works on, over, under or adjacent to railway lines and near high voltage

6.2. HEALTH AND SAFETY

- 6.2.1. The Supplier shall at all time comply with safety rules, regulations and legislation, as well as Transnet Freight Rail (TFR) Safety Guidelines for Infrastructure (Latest Edition).
- 6.2.2. The Supplier shall at all times comply with the Basic Conditions of Employment Act as well as all other relevant labour legislation. The Supplier must conduct his own formal risk assessment to identify all risks. The Supplier is to clearly indicate in his tender submission the processes and procedures he intends implementing to mitigate the total of all these risks: e.g.
- Working with herbicides
 - live OHTE
 - Executing work on one line while a normal train service is running on adjacent line/s
 - Sanitation and refuse disposal as a threat to the environment.
- 6.2.3. The Supplier shall be responsible to ensure the use of only technically competent trained staff on all types of work. The Supplier will have to ensure that the Supplier's personnel operating his/her own locomotives, haulage equipment, road rail vehicles or any other track vehicles on Transnet Freight Rail lines undergo a Transnet Freight Rail Operating course and also receive a certificate of track section competency. This cost is to be borne by the Supplier.
- 6.2.4. The Supplier shall ensure that all workers are appropriately equipped and wearing Personal Protective Equipment (PPE) and that Safety Talks are conducted and noted in the Site Diary before the start of every shift.
- 6.2.5. The Supplier shall be responsible to ensure that site staff are always competently trained with regards to Electrical Awareness Training.
- 6.2.6. The Supplier shall be responsible to ensure that workers working on machines (high risk areas), operators, machine fitters, area Project Manager's Deputies and Agreement 'supervisors' site staff are always competently trained with regards to PWC Electrical Educational Training.
- 6.2.7. The Supplier shall also be responsible to ensure that Agreement managers in charge of sites are always competently trained with regards to COM Competency Electrical Training (to follow PWC Training).
- 6.2.8. The Supplier shall ensure that all his employees undergo medical surveillance where required by legislation.
- 6.2.9. Non-compliance with safety requirements will result in an immediate suspension of work without payment.

6.2.10. Where training is required by the Supplier and Transnet Freight Rail (TFR) is committed to provide training, the Supplier shall qualify his tender as to what and how many staff, training will be required for. After award of the Agreement, the Supplier shall then arrange with the appropriate Transnet Freight Rail (TFR) representative, through the Project Manager's Deputy, for this training / testing.

The following training shall be arranged for the following Suppliers staff:

Course	Objective	Duration & trainer	Grade to attend
A) Awareness (Electrical)	To inform all Suppliers staff working near a machine and on the line on electrified sections of the dangerous situations of high voltage OHTE	Two hour on-the-job lecture and training. Accredited Electrical trainer / Depot's Electrical Supervisor	• All workers and staff working on the Agreement
B) COM Competency (Electrical) (To follow A)	Work permits safe working procedures under the direct supervision of a responsible representative.	Lecture room training = 0,25 d On-the-job training = 0,25 d Criterion test = 0,5 days Total = 1 day Accredited Electrical trainer	Supervisor (Responsible person in charge at machine working)

- The electrical awareness training must be arranged for beforehand on-the-job.
- The electrical educational and competency training may be arranged for at either a depot's lecture room's (Transnet Freight Rail (TFR) property), or at a venue of the Suppliers choice (Suppliers cost).

7. PRICING INSTRUCTIONS

7.1. GENERAL

7.1.1. Measurement and payment shall be in accordance with relevant provisions of clause 8 of each of the SANS 1200 Standardised Specifications for Civil Engineering Construction referred to in the Service Information.

7.1.2. The units of measurement described in these Schedule of Requirements are metric units. Abbreviations used in the Schedule of Requirements are as follows:

%	=	percentage
h	=	hour
ha	=	hectare
kg	=	kilogram
kl	=	kilolitre
km	=	kilometre
l	=	litre
m	=	metre
No.	=	number
Prov sum	=	Provisional sum
Sum	=	Lump sum
W/day	=	Work day

R/only = Rate only
Worklot = area totalling 300m²

7.1.3. For the purpose of these Schedule of Requirements, the following word shall have the meanings assigned to them:

Unit: The unit of measure for each item of work as defined in the COLTO Standard specification.
Quantity: The number of units of works for each item.
Rate: The agreed payment per unit measurement.
Amount: The product of the quantity and the agreed rate for an item.

7.1.4. No allowance is made for waste on items in the Schedule of Requirements.

7.1.5. It will be assumed that the prices included in the Schedule of Requirements are based on Acts, Ordinances, regulations, By-laws, International Standards and National Standards that were published 28 day before the closing date for tenders.

7.1.6. Such prices and rates cover all costs and expenses that may be required for the execution of the works described in accordance with the provisions of the Service Information, and shall cover the cost of all general risks, liabilities and obligations set forth or implied in the Agreement Data, as well as overhead charges and profit.

7.1.7. The quantities set out in the Schedule of Requirements are estimated and may be more or less than stated. The Supplier shall submit with his/her tender a complete and detailed priced Schedule of Requirements (prepared in black ink) for the Works.

7.1.8. Each item shall be priced by the Tenderer. If the Supplier has omitted to price any items in the Schedule of Requirements, the cost of the work included in such items will be held to be spread over and included in the prices given in the other items of work.

7.1.9. Payment for the Agreement shall be based on the Schedule of Requirements and the payments will be made in accordance with the rates tendered in the Schedule of Requirements.

The absence of stated quantities in the Schedule of Requirements is no guarantee that none will be required. Reasonable prices should therefore be inserted for every item as these prices may be considered in adjudication of tenders.

The short descriptions of the items in the Schedule of Requirements are for identification purposes only.

Items classified as "provisional worklots" in the Schedule of Requirements indicate that there is no certainty about the amount of work, which will be required. In this Agreement the provisional items, where applicable, are for the treatment of areas, which are not necessarily treated annually. These areas will be measured per provisional worklot as defined in 5.1.3 and stated in the Schedule of Quantities. The standard of control for individual worklots shall apply.

7.2. MEASUREMENT AND PAYMENT

- 7.2.1. Payment will be based on the numbers of worklots treated as instructed by the Supervisor and to which the Supplier successfully applied the vegetation control measures and has achieved the standard of control defined in clause 5.3.
- 7.2.2. No payment will be made for rejected worklots where control achieved does not meet the standards of control specified.
- 7.2.3. Measurement and payment for the work completed will be made in [3] stages.
- 7.2.4. After completion of the initial spraying of the entire Agreement area, the Supervisor or his deputy and the Supplier will measure the work performed (number of worklots sprayed). The Supplier will thereafter receive payment at [50%] of the rates tendered for all of the completed work.
- 7.2.5. A second measurement and evaluation will be made concurrent with the first official inspection conducted in accordance with clause 3.4.4. The Supplier will thereafter receive payment at [25%] of the rates tendered for all worklots where control as specified has been achieved or clear signs are evident that control is in the process of being achieved.
- 7.2.6. A third measurement and evaluation will be made concurrent with the second official inspection conducted in accordance with clause 3.4.5. The Supplier will thereafter receive payment at [25%] of the rates tendered for all worklots where control has been achieved.

8. LIST OF RETURNABLE DOCUMENTS

The tenderer must include the schedules and documents listed below in the tender document for tender evaluation purposes.

8.1. RETURNABLE SCHEDULES.

Please complete the schedules and return with the tender document

- Certificate of Attendance at Clarification Meeting
- Schedule of the Tenderer's Experience
- Schedule of Subcontractors
- Schedule of Plant and Equipment
- Record of Addenda to Tender Documents
- Certificate of authority for joint ventures (where applicable)
- Form of Intent to provide Performance Bond
- Compulsory Enterprise Questionnaire
- CV of key personnel.
- Certificate of Authority for joint ventures
- Supplier Declaration form

8.2. RETURNABLE DOCUMENTS

- Certificate of Authority for Signatory (Resolution by Board)
- An original valid Tax Clearance Certificate issued by the South African Revenue Services.
- Letter of Good Standing with the Compensation Commissioner
- Safety Plan in accordance with the Construction Regulations, 2003(refer to the E4E (August Transnet 2006)

- Environmental Plan
 - > Method and detail of process including –
 - > List of registered herbicides to be used in the work, supported by full specimen labels
 - > Application rates of herbicides to be applied
 - > Product mixtures
 - > Detail and function of personnel to carry out operation
 - > Work rates of the unit(s) per day; List of support resources to carry out operation
- Proposed Amendments and Qualifications
- Proposed Organization and Staffing structure including quantity of personnel to be trained in aspects of safety.
- Certified copies of latest Pest Control Operators registration certificates of the supervisory staff.

"PREVIEW COPY ONLY"

**CHEMICAL CONTROL OF VEGETATION IN YARDS BY MEANS OF HERBICIDES
FOR A PERIOD OF 2 YEARS**

ANNEXURE A : B-BBEE PREFERENCE POINTS CLAIM FORM

This preference form contains general information and serves as a claim for preference points for Broad-Based Black Economic Empowerment [B-BBEE] Status Level of Contribution.

1. INTRODUCTION

- 1.1 A total of 10 preference points shall be awarded for B-BBEE Status Level of Contribution.
- 1.2 Failure on the part of a Bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System [SANAS] or a Registered Auditor approved by the Independent Regulatory Board of Auditors [IRBA] or an Accounting Officer as contemplated in the Close Corporation Act [CCA] together with the bid will be interpreted to mean that preference points for B-BBEE Status Level of Contribution are not claimed.
- 1.3 Transnet reserves the right to require of a Bidder, either before a Bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by Transnet.

2. GENERAL DEFINITIONS

- 2.1 "all applicable taxes" include value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 2.2 "B-BBEE" means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 2.3 "B-BBEE status of contributor" means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.4 "Bid" means a written offer in a prescribed or stipulated form in response to an invitation by Transnet for the provision of goods, works or services;
- 2.5 "Broad-Based Black Economic Empowerment Act" means the Broad-Based Black Economic Empowerment Act, 2003 [Act No. 53 of 2003];
- 2.6 "comparative price" means the price after the factors of a non-firm price and all unconditional discounts that can utilised have been taken into consideration;
- 2.7 "consortium or joint venture" means an association of persons for the purpose of combining

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- their expertise, property, capital, efforts, skills and knowledge in an activity for the execution of a contract;
- 2.8 **"contract"** means the agreement that results from the acceptance of a bid by Transnet;
- 2.9 **"EME"** means any enterprise with an annual total revenue of R5 [five] million or less as per the 2007 version of the B-BBEE Codes of Good Practice and means any enterprise with an annual total revenue of R10 [ten] million or less as per the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928;
- 2.10 **"firm price"** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs and excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 **"functionality"** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- 2.12 **"non-firm prices"** means all prices other than "firm" prices;
- 2.13 **"person"** includes reference to a juristic person;
- 2.14 **"QSE"** means any enterprise with an annual total revenue between R5 [five] million and R35 [thirty five] million as per the 2007 version of the B-BBEE Codes of Good Practice and means any enterprise with an annual total revenue of between R10 [ten] million and R50 [fifty] million as per the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928
- 2.15 **"rand value"** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.16 **"subcontract"** means the primary contractor's assigning or leasing or making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.17 **"total revenue"** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Empowerment Act and promulgated in the Government Gazette on 9 February 2007;
- 2.18 **"trust"** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.19 **"trustee"** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

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3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The Bidder obtaining the highest number of total points for the evaluation criteria as enumerated in Section 2 of the RFP will be awarded the contract, unless objective criteria justifies the award to another bidder.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.
- 3.3 Points scored will be rounded off to 2 [two] decimal places.
- 3.4 In the event of equal points scored, the Bid will be awarded to the Bidder scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more Bids have scored equal points including equal preference points for B-BBEE, the successful Bid will be the one scoring the highest score for functionality.
- 3.6 Should two or more Bids be equal in all respect, the award shall be decided by the drawing of lots.

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

- 4.1 In terms of the Preferential Procurement Regulations, 2011, preference points shall be awarded to a Bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

[delete either column "Maximum 10" or "Maximum 20"]

B-BBEE Status Level of Contributor	Number of Points [Maximum 10]	
1	10	
2	9	
3	8	
4	5	
5	4	
6	3	
7	2	
8	1	
Non-compliant contributor	0	

- 4.2 Bidders who qualify as EMEs in terms of the 2007 version of the Codes of Good Practice must submit a certificate issued by an Accounting Officer as contemplated in the CCA or a Verification Agency accredited by SANAS or a Registered Auditor. Registered auditors do not need to meet the prerequisite for IRBA's approval for the purpose of conducting verification and issuing EME's with B-BBEE Status Level Certificates.
- 4.3 Bidders who qualify as EMEs in terms of the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928 are only required to obtain a sworn affidavit on an annual basis confirming that the entity has an Annual Total Revenue of R10 million or less and

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- the entity's Level of Black ownership.
- 4.4 In terms of the 2007 version of the Codes of Good Practice, Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- 4.5 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 Revised Codes provide for a transitional period ending 30 April 2015. During the transitional period, companies may elect to be measured in terms of the Revised Codes or the 2007 version of the Codes. Companies which are governed by Sector-specific Codes will be measured in terms of those Sector Codes.
- 4.6 As such, Transnet will accept B-BBEE certificates issued based on the Revised Codes. Transnet will also continue to accept B-BBEE certificates issued in terms of the 2007 version of the Codes provided it was issued before 1 May 2015. Thereafter, Transnet will only accept B-BBEE certificates issued based on the Revised Codes.
- 4.7 In terms of the Revised Codes of Good Practice, Bidders who qualify as QSEs must comply with all the elements of B-BBEE for the purposes of measurement. QSEs that are at least 51% or 100% Black owned are only required to obtain a sworn affidavit on an annual basis confirming that the entity has an Annual Total Revenue of R10 million or less and the entity's Level of Black ownership. Large enterprises must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- 4.8 A trust, consortium or joint venture will qualify for points for its B-BBEE status level as a legal entity, provided that the entity submits its B-BBEE status level certificate.
- 4.9 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 4.10 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialised scorecard contained in the B-BBEE Codes of Good Practice.
- 4.11 A person will not be awarded points for B-BBEE status level if it is indicated in the Bid documents that such a Bidder intends subcontracting more than 25% [twenty-five per cent] of the value of the contract to any other enterprise that does not qualify for at least the same number of points that such a Bidder qualifies for, unless the intended subcontractor is an EME that has the capability and ability to execute the subcontract.
- 4.12 A person awarded a contract may not subcontract more than 25% [twenty-five per cent] of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is subcontracted to an EME that has the capability and ability to execute the subcontract.

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4.13 Bidders are to note that in terms of paragraph 2.6 of Statement 000 of the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928, any representation made by an entity about its B-BBEE compliance must be supported by suitable evidence or documentation. As such, Transnet reserves the right to request such evidence or documentation from Bidders in order to verify any B-BBEE recognition claimed.

5. B-BBEE STATUS AND SUBCONTRACTING

5.1 **Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:**

B-BBEE Status Level of Contributor _____ = _____ [maximum of 10 points]

Note: Points claimed in respect of this paragraph 5.1 must be in accordance with the table reflected in paragraph 4.1 above and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or a sworn affidavit in the case of an EME or QSE.

5.2 **Subcontracting:**

Will any portion of the contract be subcontracted? YES/NO [delete which is not applicable]

If YES, indicate:

- (i) What percentage of the contract will be subcontracted?%
- (ii) The name of the subcontractor
- (iii) The B-BBEE status level of the subcontractor
- (iv) Is the subcontractor an EME? YES/NO

5.3 Declaration with regard to Company/Firm

- (i) Name of Company/Firm.....
- (ii) VAT registration number.....
- (iii) Company registration number.....
- (iv) Type of Company / Firm [TICK APPLICABLE BOX]

- Partnership/Joint Venture/Consortium
- One person business/sole propriety
- Close Corporations
- Company (Pty) Ltd

(v) Describe Principal Business Activities

(vi) Company Classification [TICK APPLICABLE BOX]

- Manufacturer

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- Supplier
- Professional Service Provider
- Other Service Providers, e.g Transporter, etc
- (vii) Total number of years the company/firm has been in business.....

BID DECLARATION

I/we, the undersigned, who warrants that he/she is duly authorised to do so on behalf of the company/firm, certify that points claimed, based on the B-BBEE status level of contribution indicated in paragraph 4 above, qualifies the company/firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct.
- (ii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 6 above, the contractor may be required to furnish documentary proof to the satisfaction of Transnet that the claims are correct.
- (iii) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, Transnet may, in addition to any other remedy it may have:
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the Bidder or contractor, its shareholders and directors, and/or associated entities, or only the shareholders and directors who acted in a fraudulent manner, from obtaining business from Transnet for a period not exceeding 10 years, after the *audi alteram partem* [hear the other side] rule has been applied; and/or
 - (e) forward the matter for criminal prosecution.

WITNESSES:

- 1.
- 2.

SIGNATURE OF BIDDER

DATE:.....

COMPANY NAME:

ADDRESS:.....



GENERAL BID CONDITIONS - SERVICES
[March 2015]

"PREVIEW COPY ONLY"

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1 DEFINITIONS

Where the following words or phrases are used in this Agreement, such words or phrases shall have the meaning assigned thereto in this clause, except where the context clearly requires otherwise:

- 1.1 **Bid** shall mean a Respondent's tendered response / proposal to a Transnet RFP or RFQ;
- 1.2 **Bid Document(s)** shall mean a reference to a Request for Proposal or Request for Quotation;
- 1.3 **Business Day** shall mean any day other than a Saturday, Sunday or public holiday;
- 1.4 **Respondent(s)** shall mean a respondent/bidder to a Bid Document;
- 1.5 **RFP** shall mean Request for Proposal;
- 1.6 **RFQ** shall mean Request for Quotation;
- 1.7 **RFX** shall mean RFP or RFQ, as the case may be;
- 1.8 **Services** shall mean the services required by Transnet as specified in its Bid Document;
- 1.9 **Service Provider** shall mean the successful Respondent;
- 1.10 **Tax Invoice** shall mean the document as required by Section 20 of the Value-Added Tax Act, 89 of 1991, as may be amended from time to time;
- 1.11 **Transnet** shall mean Transnet SOC Ltd, a State Owned Company; and
- 1.12 **VAT** shall mean Value-Added Tax in terms of the Value-Added Tax Act, 89 of 1991, as may be amended from time to time.

2 GENERAL

All Bid Documents and subsequent contracts and orders shall be subject to the following general conditions as laid down by Transnet and are to be strictly adhered to by any Respondent to this RFX.

3 SUBMISSION OF BID DOCUMENTS

- 3.1 A Bid, which shall hereinafter include reference to an RFP or RFQ, shall be submitted to Transnet no later than the closing date and time specified in accordance with the directions issued in the Bid Documents. Late Bids will not be considered.
- 3.2 Bids shall be delivered in a sealed envelope in accordance with the instructions indicated in the Bid Documents with the Bid number and subject marked on the front of the envelope.
- 3.3 The Respondent's return address must be stated on the reverse side of the sealed envelope.

4 USE OF BID FORMS

- 4.1 Where special forms are issued by Transnet for the submission of Bids, Respondents are required to submit their Bids by completion of the appropriate sections on such official forms and not in other forms or documents bearing their own terms and conditions of contract. Non-compliance with this condition may result in the rejection of a Bid.
- 4.2 Respondents must note that the original Bid forms must be completed for submission and not a reprocessed copy thereof.

- 4.3 Only if insufficient space has been allocated for a particular response may a Respondent submit additional information under separate cover using its company's letterhead. This must be duly cross-referenced in the RFX.

5 BID FEES

- 5.1 A non-refundable fee may be charged for Bid Documents, depending on the administrative cost of preparing and issuing such Bid Documents.
- 5.2 Only Respondents that have paid the Bid fee and provided proof of payment when submitting their Bid will be considered.

6 VALIDITY PERIOD

- 6.1 Respondents must hold their Bid valid for acceptance by Transnet at any time within the requested validity period after the closing date of the bid.
- 6.2 Respondents may be requested to extend their validity period for a specified additional period. In such instances, Respondents will not be allowed to change any aspect of their Bid, unless they are able to demonstrate that the proposed change(s) is as a direct and unavoidable consequence of Transnet's extension of the validity period.

7 SITE VISIT / BRIEFING SESSION

Respondents may be requested to attend a site visit where it is considered necessary to view the site prior to the preparation of Bids, or where Transnet deems it necessary to provide Respondents with additional information relevant to the completion of their Bids. When such visits or sessions are indicated as compulsory in the Bid Document, Respondents are obliged to attend these meetings as failure to do so will result in their disqualification.

8 CLARIFICATION BEFORE THE CLOSING DATE

Should clarification be required on any aspect of the RFX before the closing date, the Respondent must direct such queries to the contact person identified in the Bid Document.

9 COMMUNICATION AFTER THE CLOSING DATE

After the closing date of a Bid [i.e. during the evaluation period] the Respondent may only communicate with the Chairperson or Secretary of the relevant Acquisition Council.

10 UNAUTHORISED COMMUNICATION ABOUT BIDS

Where Bids are submitted to the Secretary of an Acquisition Council, Respondents may at any time communicate with the Secretary on any matter relating to its Bid but, in the absence of written authority from the Secretary, no communication on a question affecting the subject of a Bid shall take place between Respondents or other potential service providers or any member of the Acquisition Council or official of Transnet during the period between the closing date for the receipt of the Bid and the date of the notification of the successful Respondent(s). A Bid, in respect of which any such unauthorised communication has occurred, may be disqualified.

11 POST TENDER NEGOTIATIONS

Transnet reserves the right to conduct post tender negotiations with the preferred bidder or a shortlist of preferred bidders. Should Transnet decide to conduct post tender negotiations, bidders will be requested to provide their best and final offers to Transnet based on such negotiations. A final evaluation will be conducted in terms of 80/20 or 90/10 (whichever is applicable) and the contract will be negotiated and awarded to the successful bidder(s).

12 RETURNABLE DOCUMENTS

All returnable documents listed in the RFX Documents must be submitted with Respondent's Bid. Failure to submit mandatory returnable schedules / documents will result in disqualification. Failure to submit other schedules / documents may result in disqualification.

13 DEFAULTS BY RESPONDENTS

If the Respondent, after it has been notified of the acceptance of its Bid fails to:

- 13.1 enter into a formal contract when called upon to do so within such period as Transnet may specify; or
- 13.2 accept an order in terms of the Bid;
- 13.3 furnish satisfactory security when called upon to do so for the fulfilment of the contract; or
- 13.4 comply with any condition imposed by Transnet,

Transnet may, in any such case, without prejudice to any other legal remedy which it may have, proceed to accept any other Bid or, if it is necessary to do so, call for Bids afresh, and may recover from the defaulting Respondent any additional expense incurred by Transnet in calling for new offers or in accepting a less favourable offer.

14 CURRENCY

All monetary amounts referred to in a Bid response must be in Rand, the currency of the Republic of South Africa [ZAR], save to the extent specifically permitted in the RFX.

15 PRICES SUBJECT TO CONFIRMATION

- 15.1 Prices which are quoted subject to confirmation will not be considered.
- 15.2 Firm prices quoted for the duration of any resulting order and/or contract will receive precedence over prices which are subject to fluctuation if this is in Transnet's best interests.

16 ALTERATIONS MADE BY THE RESPONDENT TO BID PRICES

All alterations made by the Respondent to its Bid price(s) prior to the submission of its Bid Documents must be done by deleting the incorrect figures and words where required and by inserting the correct figures and words against the items concerned. All such alterations must be initialled by the person who signs the Bid Documents. Failure to observe this requirement may result in the particular item(s) concerned being excluded in the matter of the award of the business.

17 EXCHANGE AND REMITTANCE

- 17.1 The Respondent should note that where the whole or a portion of the contract or order value is to be remitted overseas, Transnet shall, if requested to do so by the Service Provider, effect payment

overseas directly to the foreign principal of such percentage of the contract or order value as may be stipulated by the Respondent in its Bid Documents.

- 17.2 It is Transnet's preference to enter into Rand-based agreements. Transnet would request, therefore, that the Respondent give favourable consideration to obtaining forward exchange cover on the foreign currency portion of the Agreement at a cost that is acceptable to Transnet to protect itself against any currency rate fluctuation risks for the duration of any resulting contract or order.
- 17.3 The Respondent who desires to avail itself of the aforementioned facility must at the time of bidding furnish the information called for in the *Exchange and Remittance* section of the Bid Documents and also furnish full details of the principals to whom payment is to be made.
- 17.4 The South African Reserve Bank's approval is required before any foreign currency payments can be made to or on behalf of Respondents.
- 17.5 Transnet will not recognise any claim for adjustment of the order and/or contract price if the increase in price arises after the date on which agreement on an overall order and contract has been reached.
- 17.6 Transnet reserves the right to request a pro-forma invoice/tax invoice in order to ensure compliance with the contract and Value-Added Tax Act no. 89 of 1991 [VAT Act].

18 ACCEPTANCE OF BID

- 18.1 Transnet does not bind itself to accept the lowest priced or any Bid.
- 18.2 Transnet reserves the right to accept any Bid in whole or in part.
- 18.3 Upon the acceptance of a Bid by Transnet, the parties shall be bound by these General Bid Conditions and any contractual terms and/or any schedule of "Special Conditions" or otherwise which form part of the Bid Documents.
- 18.4 Where the Respondent has been informed by Transnet per fax message or email of the acceptance of its Bid, the acknowledgement of receipt transmitted shall be regarded as proof of delivery to the Respondent.

19 NOTICE TO UNSUCCESSFUL RESPONDENTS

Unsuccessful Respondents shall be advised in writing that their Bids have not been accepted as soon as possible after the closing date of the Bid. On award of business to the successful Respondent all unsuccessful Respondents shall be informed of the name of the successful Respondent and of the reason as to why their Bids have not been successful.

20 TERMS AND CONDITIONS OF CONTRACT

- 20.1 The Service Provider shall adhere to the Terms and Conditions of Contract issued with the Bid Documents, together with any schedule of "Special Conditions" or otherwise which form part of the Bid Documents.
- 20.2 Should the Respondent find any conditions unacceptable, it should indicate which conditions are unacceptable and offer amendments/ alternatives by written submission on its company letterhead. Any such submission shall be subject to review by Transnet's Legal Counsel who shall determine whether the proposed amendments/ alternative(s) are acceptable or otherwise, as the case may be.

21 CONTRACT DOCUMENTS

- 21.1 The contract documents will comprise these General Bid Conditions, the Terms and Conditions of Contract and any schedule of "Special Conditions" which form part of the Bid Documents.
- 21.2 The abovementioned documents together with the Respondent's Bid response will constitute the contract between the parties upon receipt by the Respondent of Transnet's letter of award / intent, subject to all additional amendments and/or special conditions thereto as agreed to by the parties.
- 21.3 Should Transnet inform the Respondent that a formal contract will be signed, the abovementioned documents together with the Respondent's Bid response [and, if any, its covering letter and any subsequent exchange of correspondence] as well as Transnet's Letter of Acceptance/Intent, shall constitute a binding contract until the final contract is signed.

22 LAW GOVERNING CONTRACT

The law of the Republic of South Africa shall govern the contract created by the acceptance of a Bid. The *domicilium citandi et executandi* shall be a place in the Republic of South Africa to be specified by the Respondent in its Bid at which all legal documents may be served on the Respondent who shall agree to submit to the jurisdiction of the courts of the Republic of South Africa. A foreign Respondent shall, therefore, state in its Bid the name of its authorised representative in the Republic of South Africa who is empowered to sign any contract which may be entered into in the event of its Bid being accepted and to act on its behalf in all matters relating to the contract.

23 IDENTIFICATION

If the Respondent is a company, the full names of the directors shall be stated in the Bid. If the Respondent is a close corporation, the full names of the members shall be stated in the Bid. If the Respondent is a partnership or an individual trading under a trade name, the full names of the partners or of such individual, as the case may be, shall be furnished.

24 CONTRACTUAL SECURITIES

- 24.1 The successful Respondent, when called upon to do so, shall provide security to the satisfaction of Transnet for the due fulfilment of a contract or order. Such security shall be in the form of an advanced payment guarantee [APG] and/or a performance bond [Performance Bond], as the case may be, to be furnished by an approved bank, building society, insurance or guarantee corporation carrying on business in South Africa.
- 24.2 The security may be applied in whole or part at the discretion of Transnet to make good any loss or damage which Transnet may incur in consequence of a breach of the contract or any part thereof.
- 24.3 Such security, if required, shall be an amount which will be stipulated in the Bid Documents.
- 24.4 The successful Respondent shall be required to submit to Transnet or Transnet's designated official the specified security document(s) within 30 [thirty] calendar days from the date of signature of the contract. Failure to return the securities within the prescribed time shall, save where prior extension has been granted, entitle Transnet without notice to the Service Provider to cancel the contract with immediate effect.
- 24.5 Additional costs incurred by Transnet necessitated by reason of default on the part of the Service Provider in relation to the conditions of this clause 24 will be for the account of the Service Provider.

25 DELETION OF ITEMS TO BE EXCLUDED FROM BID

The Respondent must delete items for which it has not tendered or for which the price has been included elsewhere in its Bid.

26 VALUE-ADDED TAX

26.1 In respect of local Services, i.e. Services to be rendered in the Republic of South Africa, the prices quoted by the Respondent are to be exclusive of VAT which must be shown separately at the standard rate on the Tax Invoice.

26.2 In respect of foreign Services rendered:

- a) the invoicing by a South African Service Provider on behalf of its foreign principal rendering such Service represents a Service rendered by the principal, and
- b) the Service Provider's Tax Invoice(s) for the local portion only [i.e. the "commission" for the Services rendered locally] must show the VAT separately.

27 IMPORTANT NOTICE TO RESPONDENTS REGARDING PAYMENT

27.1 Method of Payment

- a) The attention of the Respondent is directed to the Terms and Conditions of Contract which set out the conditions of payment on which Bid price(s) shall be based.
- b) However, in addition to the foregoing the Respondent is invited to submit offers based on alternative methods of payment and/or financing proposals.
- c) The Respondent is required to give full particulars of the terms that will be applicable to its alternative offers and the financial merits thereof will be evaluated and taken into consideration when the Bid is adjudicated.
- d) The Respondent must, therefore, in the first instance, tender strictly in accordance with clause 27.1a) above. Failure to comply with clause 27.1a) above may preclude a Bid from further consideration.

NOTE: The successful Respondent [the **Service Provider**], where applicable, shall be required to furnish a guarantee covering any advance payments, as set out in clause 24 above [*Contractual Securities*].

27.2 Conditional Discount

Respondents offering prices which are subject to a conditional discount applicable for payment within a specific period are to note that the conditional period will be calculated from the date of receipt by Transnet of the Service Provider's month-end statement reflecting the relevant Tax Invoice(s) for payment purposes, provided the conditions of the order or contract have been fulfilled and the Tax Invoice is correct in all respects in terms of the contract or order. Incomplete and/or incorrect Tax Invoices shall be returned and the conditional discount period will be recalculated from the date of receipt of the correct documentation.

28 DELIVERY REQUIREMENTS

28.1 Period Contracts

It will be a condition of any resulting contract/order that the delivery period embodied therein will be governed by the provisions of the Terms and Conditions of Contract.

28.2 Progress Reports

The Service Provider may be required to submit periodical progress reports with regard to the delivery of the Services.

28.3 Emergency Demands as and when required

If, due to unforeseen circumstances, the rendering of the Services covered by the Bid are required at short notice for immediate delivery, the Service Provider will be given first right of refusal for such business. If it is unable to meet the desired critical delivery period, Transnet reserves the right to purchase such services as may be required to meet the emergency outside the contract if immediate delivery can be offered from any other source. The "*Total or Partial Failure to Perform the Scope of Services*" section in the Terms and Conditions of Contract will not be applicable in these circumstances.

29 SPECIFICATIONS AND COPYRIGHT

29.1 Specifications

The Respondent should note that unless notified to the contrary by Transnet or a designated official by means of an official amendment to the Bid Documents, it is required to tender for the Services strictly in accordance with the specifications supplied by Transnet.

29.2 Copyright

Copyright in plans, drawings, diagrams, specifications and documents compiled by the Service Provider for the purpose of contract work shall be governed by the *Intellectual Property Rights* section in the Terms and Conditions of Contract.

30 BIDS BY OR ON BEHALF OF FOREIGN RESPONDENTS

30.1 Bids submitted by foreign principals may be forwarded directly by the principals or by its South African representative or agent to the Secretary of the Acquisition Council or to a designated official of Transnet according to whichever officer is specified in the Bid Documents.

30.2 In the case of a representative or agent, written proof must be submitted to the effect that such representative or agent has been duly authorised to act in that capacity by the principal. Failure to submit such authorisation by the representative or agent shall disqualify the Bid.

30.3 When legally authorised to prepare and submit Bids on behalf of their principals not domiciled in the Republic of South Africa, representatives or agents must compile the Bids in the names of such principals and sign them on behalf of the latter.

30.4 South African representatives or agents of a successful foreign Respondent must when so required enter into a formal contract in the name of their principals and must sign such contract on behalf of the latter. In every such case a legal Power of Attorney from their principals must be furnished to Transnet by the South African representative or agents authorising them to enter into and sign such contract.

- a) Such Power of Attorney must comply with Rule 63 [Authentication of documents executed outside the Republic for use within the Republic] of the Uniform Rules of Court: Rules regulating the conduct of the proceedings of the several provincial and local divisions of the Supreme Court of South Africa.
 - b) The Power of Attorney must be signed by the principal under the same title as used in the Bid Documents.
 - c) If a Power of Attorney held by the South African representative or agent includes matters of a general nature besides provision for the entering into and signing of a contract with Transnet, a certified copy thereof should be furnished.
 - d) The Power of Attorney must authorise the South African representative or agent to choose the *domicilium citandi et executandi* as provided for in the Terms and Conditions of Contract.
- 30.5 If payment is to be made in South Africa, the foreign Service Provider [i.e. the principal, or its South African agent or representative], must notify Transnet in writing whether, for payment by electronic funds transfer [EFT]:
- a) funds are to be transferred to the credit of the foreign Service Provider's account at a bank in South Africa, in which case the name and branch of such bank shall be furnished; or
 - b) funds are to be transferred to the credit of its South African agent or representative, in which case the name and branch of such bank shall be furnished.

31 CONFLICT WITH BID DOCUMENT

Should a conflict arise between these General Bid Conditions and the Bid Document issued, the conditions stated in the Bid Document shall prevail.

32 TRANSNET'S LIST OF EXCLUDED TENDERERS (BLACKLIST)

32.1 All the stipulations around Transnet's blacklisting process as laid down in Transnet's Supply Chain Policy and Procurement Procedures Manual are included herein by reference. Below follows a condensed summary of this blacklisting procedure.

32.2 Blacklisting is a mechanism used to exclude a company/person from future business with Transnet for a specified period. The decision to blacklist is based on one of the grounds for blacklisting. The standard of proof to commence the blacklisting process is whether a "prima facie" (i.e. on the face of it) case has been established.

32.3 Depending on the seriousness of the misconduct and the strategic importance of the Goods/Services, in addition to blacklisting a company/person from future business, Transnet may decide to terminate some or all existing contracts with the company/person as well.

32.4 A supplier or contractor to Transnet may not subcontract any portion of the contract to a blacklisted company.

32.5 Grounds for blacklisting include: If any person/Enterprise which has submitted a Bid, concluded a contract, or, in the capacity of agent or subcontractor, has been associated with such Bid or contract:

- a) Has, in bad faith, withdrawn such Bid after the advertised closing date and time for the receipt of Bids;

- b) has, after being notified of the acceptance of his Bid, failed or refused to sign a contract when called upon to do so in terms of any condition forming part of the bid documents;
- c) has carried out any contract resulting from such bid in an unsatisfactory manner or has breached any condition of the contract;
- d) has offered, promised or given a bribe in relation to the obtaining or execution of the contract;
- e) has acted in a fraudulent or improper manner or in bad faith towards Transnet or any Government Department or towards any public body, Enterprise or person;
- f) has made any incorrect statement in a certificate or other communication with regard to the Service or his B-BBEE status and is unable to prove to the satisfaction of Transnet that:
 - (i) he made the statement in good faith honestly believing it to be correct; and
 - (ii) before making such statement he took all reasonable steps to satisfy himself of its correctness;
- g) caused Transnet damage, or to incur costs in order to meet the contractor's requirements and which could not be recovered from the contractor;
- h) has litigated against Transnet in bad faith.

32.6 Transnet recognizes that trust and good faith are pivotal to its relationship with its suppliers. When a dispute arises between Transnet and its supplier, the parties should use their best endeavours to resolve the dispute in an amicable manner, whenever possible. Litigation in bad faith negates the principles of trust and good faith on which commercial relationships are based. Accordingly, Transnet will not do business with a company that litigates against it in bad faith or is involved in any action that reflects bad faith on its part. Litigation in bad faith includes, but is not limited to the following instances:

- a) Vexatious proceedings. These are frivolous proceedings which have been instituted without proper grounds;
- b) Perjury. Where a supplier commits perjury either in giving evidence or on affidavit;
- c) Scurrilous allegations. Where a supplier makes allegations regarding a senior Transnet employee which are without a proper foundation, scandalous, abusive or defamatory.
- d) Abuse of court process. When a supplier abuses the court process in order to gain a competitive advantage during a bid process.

32.7 Where any person or Enterprise has been found guilty by a court of law, tribunal or other administrative body of a serious breach of any law, during the preceding 5 Years, such person/Enterprise may also be blacklisted. Serious breaches of the law would include but are not limited to corruption, fraud, theft, extortion, or contraventions of the Competition Act 89 of 1998 (e.g. collusive tendering). This process excludes minor convictions such as traffic offences or personal disagreements between parties which have no bearing on the business operations of the person or Enterprise.

- 32.8 Grounds for blacklisting include a company/person recorded as being a company or person prohibited from doing business with the public sector on National Treasury's database of Restricted Suppliers or Register of Tender Defaulters.
- 32.9 Companies associated with the person/s guilty of misconduct (i.e. entities owned, controlled or managed by such persons), any companies subsequently formed by the person(s) guilty of the misconduct and/or an existing company where such person(s) acquires a controlling stake may be considered for blacklisting. The decision to extend the blacklist to associated companies will be at the sole discretion of Transnet.
- 32.10 Any person or enterprise or company against whom a decision to blacklist has been taken, may make representations to the Chief Financial Officer of Transnet SOC Ltd, whose decision shall be final.

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Important Note: All potential bidders must read this document and certify in the RFX Declaration Form that they have acquainted themselves with, and agree with the content. The contract with the successful bidder will automatically incorporate this Integrity Pact as part of the final concluded contract.

INTEGRITY PACT

Between

TRANSNET SOC LTD

Registration Number: 1990/000900/30

("Transnet")

and

The Bidder / Supplier / Service Provider / Contractor (hereinafter referred to as the "Bidder / Supplier")

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PREAMBLE

Transnet values full compliance with all relevant laws and regulations, ethical standards and the principles of economical use of resources, fairness and transparency in its relations with its Bidders / Suppliers.

In order to achieve these goals, Transnet and the Bidder / Supplier hereby enter into this agreement hereinafter referred to as the "Integrity Pact" which will form part of the Bidder's / Supplier's application for registration with Transnet as a vendor.

The general purpose of this Integrity Pact is to agree on avoiding all forms of dishonesty, fraud and corruption by following a system that is fair, transparent and free from any undue influence prior to, during and subsequent to the currency of any procurement and / or reverse logistics event and any further contract to be entered into between the Parties, relating to such event.

All Bidders / Suppliers will be required to sign and comply with undertakings contained in this Integrity Pact, should they want to be registered as a Transnet vendor.

1 OBJECTIVES

- 1.1 Transnet and the Bidder / Supplier agree to enter into this Integrity Pact, to avoid all forms of dishonesty, fraud and corruption including practices that are anti-competitive in nature, negotiations made in bad faith and under-pricing by following a system that is fair, transparent and free from any influence / unprejudiced dealing, prior to, during and subsequent to the currency of the contract to be entered into with a view to:
- a) Enable Transnet to obtain the desired contract at a reasonable and competitive price in conformity to the defined specifications of the works, goods and services; and
 - b) Enable Bidders / Suppliers to abstain from bribing or participating in any corrupt practice in order to secure the contract.

2 COMMITMENTS OF TRANSNET

Transnet commits to take all measures necessary to prevent dishonesty, fraud and corruption and to observe the following principles:

- 2.1 Transnet hereby undertakes that no employee of Transnet connected directly or indirectly with the sourcing event and ensuing contract, will demand, take a promise for or accept directly or through intermediaries any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the Bidder, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to any contract.
- 2.2 Transnet will, during the registration and bidding process treat all Bidders / Suppliers with equity, transparency and fairness. Transnet will in particular, before and during the registration process, provide to all Bidders / Suppliers the same information and will not provide to any Bidders / Suppliers confidential / additional information through which the Bidders / Suppliers could obtain an advantage in relation to any bidding process.
- 2.3 Transnet further confirms that its employees will not favour any prospective bidder in any form that could afford an undue advantage to a particular bidder during the tendering stage, and will further treat all Bidders / Supplier participating in the bidding process.
- 2.4 Transnet will exclude from the bidding process such employees who have any personal interest in the Bidders / Suppliers participating in the bidding process.

3 OBLIGATIONS OF THE BIDDER / SUPPLIER

- 3.1 The Bidder / Supplier commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any ensuing contract stage in order to secure the contract or in furtherance to secure it and in particular the Bidder / Supplier commits to the following:
- a) The Bidder / Supplier will not, directly or through any other person or firm, offer, promise or give to Transnet or to any of Transnet's employees involved in the bidding process or to any third person any material or other benefit or payment, in order to obtain in exchange an advantage during the bidding process; and
 - b) The Bidder / Supplier will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any employee of Transnet, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
- 3.2 The acceptance and giving of gifts may be permitted provided that:
- a) the gift does not exceed R1 000 (one thousand Rand) in retail value;
 - b) many low retail value gifts do not exceed R1 000 within a 12 month period;
 - c) hospitality packages do not exceed R5 000 in value or many low value hospitality packages do not cumulatively exceed R5 000;
 - d) a Bidder / Supplier does not give a Transnet employee more than 2 (two) gifts within a 12 (twelve) month period, irrespective of value;
 - e) a Bidder / Supplier does not accept more than 1 (one) gift in excess of R750 (seven hundred and fifty Rand) from a Transnet employee within a 12 (twelve) month period, irrespective of value;
 - f) a Bidder / Supplier may under no circumstances, accept from or give to, a Transnet employee any gift, business courtesy, including an invitation to a business meal and /or drinks, or hospitality package, irrespective of value, during any bid evaluation process, including a period of 12 (twelve) months after such tender has been awarded, as it may be perceived as undue and improper influence on the evaluation process or reward for the contract that has been awarded; and
 - g) a Bidder / Supplier may not offer gifts, goods or services to a Transnet employee at artificially low prices, which are not available to the public at those prices.
- 3.3 The Bidder / Supplier will not collude with other parties interested in the contract to preclude a competitive bid price, impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract. The Bidder / Supplier further commits itself to delivering against all agreed upon conditions as stipulated within the contract.
- 3.4 The Bidder / Supplier will not enter into any illegal or dishonest agreement or understanding, whether formal or informal with other Bidders / Suppliers. This applies in particular to certifications, submissions or non-submission of documents or actions that are restrictive or to introduce cartels into the bidding process.
- 3.5 The Bidder / Supplier will not commit any criminal offence under the relevant anti-corruption laws of South Africa or any other country. Furthermore, the Bidder /Supplier will not use for illegitimate purposes or for restrictive purposes or personal gain, or pass on to others, any information provided by Transnet as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

- 3.6 A Bidder / Supplier of foreign origin shall disclose the name and address of its agents or representatives in South Africa, if any, involved directly or indirectly in the registration or bidding process. Similarly, the Bidder / Supplier of South African nationality shall furnish the name and address of the foreign principals, if any, involved directly or indirectly in the registration or bidding process.
- 3.7 The Bidder / Supplier will not misrepresent facts or furnish false or forged documents or information in order to influence the bidding process to the advantage of the Bidder / Supplier or detriment of Transnet or other competitors.
- 3.8 The Bidder / Supplier shall furnish Transnet with a copy of its code of conduct, which code of conduct shall reject the use of bribes and other dishonest and unethical conduct, as well as compliance programme for the implementation of the code of conduct.
- 3.9 The Bidder / Supplier will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4 INDEPENDENT BIDDING

- 4.1 For the purposes of that Certificate in relation to any submitted Bid, the Bidder declares to fully understand that the word "competitor" shall include any individual or organisation, other than the Bidder, whether or not affiliated with the Bidder, who:
 - a) has been requested to submit a Bid in response to this Bid invitation;
 - b) could potentially submit a Bid in response to this Bid invitation, based on their qualifications, abilities or experience; and
 - c) provides the same Goods and Services as the Bidder and/or is in the same line of business as the Bidder.
- 4.2 The Bidder has arrived at his submitted Bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium will not be construed as collusive bidding.
- 4.3 In particular, without limiting the generality of paragraph 5 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - a) prices;
 - b) geographical area where Goods or Services will be rendered [market allocation];
 - c) methods, factors or formulas used to calculate prices;
 - d) the intention or decision to submit or not to submit, a Bid;
 - e) the submission of a Bid which does not meet the specifications and conditions of the RFP; or
 - f) bidding with the intention of not winning the Bid.
- 4.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the Goods or Services to which his/her Bid relates.
- 4.5 The terms of the Bid as submitted have not been, and will not be, disclosed by the Bidder, directly or indirectly, to any competitor, prior to the date and time of the official Bid opening or of the awarding of the contract.
- 4.6 Bidders are aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, Bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in

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terms of section 59 of the Competition Act No 89 of 1998 and/or may be reported to the National Prosecuting Authority [NPA] for criminal investigation and/or may be restricted from conducting business with the public sector for a period not exceeding 10 [ten] years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

- 4.7 Should the Bidder find any terms or conditions stipulated in any of the relevant documents quoted in the RFP unacceptable, it should indicate which conditions are unacceptable and offer alternatives by written submission on its company letterhead, attached to its submitted Bid. Any such submission shall be subject to review by Transnet's Legal Counsel who shall determine whether the proposed alternative(s) are acceptable or otherwise, as the case may be.

5 DISQUALIFICATION FROM BIDDING PROCESS

- 5.1 If the Bidder / Supplier has committed a transgression through a violation of section 3 of this Integrity Pact or in any other form such as to put its reliability or credibility as a Bidder / Supplier into question, Transnet may reject the Bidder's / Supplier's application from the registration or bidding process and remove the Bidder / Supplier from its database, if already registered.
- 5.2 If the Bidder / Supplier has committed a transgression through a violation of section 3, or any material violation, such as to put its reliability or credibility into question. Transnet may after following due procedures and at its own discretion also exclude the Bidder / Supplier from future bidding processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, which will include amongst others the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder / Supplier and the amount of the damage. The exclusion will be imposed for up to a maximum of 10 (ten) years. However, Transnet reserves the right to impose a longer period of exclusion depending on the gravity of the misconduct.
- 5.3 If the Bidder / Supplier can prove that it has restored the damage caused by it and has installed a suitable corruption prevention system, or taken other remedial measures as the circumstances of the case may require, Transnet may at its own discretion revoke the exclusion or suspend the imposed penalty.

6 TRANSNET'S LIST OF EXCLUDED TENDERERS (BLACKLIST)

- 6.1 All the stipulations around Transnet's blacklisting process as laid down in Transnet's Supply Chain Policy and Procurement Procedures Manual are included herein by way of reference. Below follows a condensed summary of this blacklisting procedure.
- 6.2 Blacklisting is a mechanism used to exclude a company/person from future business with Transnet for a specified period. The decision to blacklist is based on one of the grounds for blacklisting. The standard of proof to commence the blacklisting process is whether a "*prima facie*" (i.e. on the face of it) case has been established.
- 6.3 Depending on the seriousness of the misconduct and the strategic importance of the Goods/Services, in addition to blacklisting a company/person from future business, Transnet may decide to terminate some or all existing contracts with the company/person as well.
- 6.4 A supplier or contractor to Transnet may not subcontract any portion of the contract to a blacklisted company.
- 6.5 Grounds for blacklisting include: If any person/Enterprise which has submitted a Bid, concluded a contract, or, in the capacity of agent or subcontractor, has been associated with such Bid or contract:

- a) Has, in bad faith, withdrawn such Bid after the advertised closing date and time for the receipt of Bids;
- b) has, after being notified of the acceptance of his Bid, failed or refused to sign a contract when called upon to do so in terms of any condition forming part of the bid documents;
- c) has carried out any contract resulting from such bid in an unsatisfactory manner or has breached any condition of the contract;
- d) has offered, promised or given a bribe in relation to the obtaining or execution of the contract;
- e) has acted in a fraudulent or improper manner or in bad faith towards Transnet or any Government Department or towards any public body, Enterprise or person;
- f) has made any incorrect statement in a certificate or other communication with regard to the Local Content of his Goods or his B-BBEE status and is unable to prove to the satisfaction of Transnet that:
 - (i) he made the statement in good faith honestly believing it to be correct; and
 - (ii) before making such statement he took all reasonable steps to satisfy himself of its correctness;
- g) caused Transnet damage, or to incur costs in order to meet the contractor's requirements and which could not be recovered from the contractor;
- h) has litigated against Transnet in bad faith.

6.6 Grounds for blacklisting include a Company/person recorded as being a company or person prohibited from doing business with the public sector on National Treasury's database of Restricted Suppliers or Register of Vendor Defaulters.

6.7 Companies associated with the person/s guilty of misconduct (i.e. entities owned, controlled or managed by such persons), any companies subsequently formed by the person(s) guilty of the misconduct and/or an existing company where such person(s) acquires a controlling stake may be considered for blacklisting. The decision to extend the blacklist to associated companies will be at the sole discretion of Transnet.

7 PREVIOUS TRANSGRESSIONS

7.1 The Bidder / Supplier hereby declares that no previous transgressions resulting in a serious breach of any law, including but not limited to, corruption, fraud, theft, extortion and contraventions of the Competition Act 89 of 1998, which occurred in the last 5 (five) years with any other public sector undertaking, government department or private sector company that could justify its exclusion from its registration on the Bidder's / Supplier's database or any bidding process.

7.2 If it is found to be that the Bidder / Supplier made an incorrect statement on this subject, the Bidder / Supplier can be rejected from the registration process or removed from the Bidder / Supplier database, if already registered, for such reason (refer to the Breach of Law Form contained in the applicable RFX document.)

8 SANCTIONS FOR VIOLATIONS

8.1 Transnet shall also take all or any one of the following actions, wherever required to:

- a) Immediately exclude the Bidder / Supplier from the bidding process or call off the pre-contract negotiations without giving any compensation the Bidder / Supplier. However, the proceedings with the other Bidders / Suppliers may continue;
- b) Immediately cancel the contract, if already awarded or signed, without giving any compensation to the Bidder / Supplier;
- c) Recover all sums already paid by Transnet;
- d) Encash the advance bank guarantee and performance bond or warranty bond, if furnished by the Bidder / Supplier, in order to recover the payments, already made by Transnet, along with interest;
- e) Cancel all or any other contracts with the Bidder / Supplier; and
- f) Exclude the Bidder / Supplier from entering into any bid with Transnet in future.

9 CONFLICTS OF INTEREST

- 9.1 A conflict of interest includes, inter alia, a situation in which:
- a) A Transnet employee has a personal financial interest in a bidding / supplying entity; and
 - b) A Transnet employee has private interests or personal considerations or has an affiliation or a relationship which affects, or may affect, or may be perceived to affect his / her judgment in action in the best interest of Transnet, or could affect the employee's motivations for acting in a particular manner, or which could result in, or be perceived as favouritism or nepotism.
- 9.2 A Transnet employee uses his / her position, or privileges or information obtained while acting in the capacity as an employee for:
- a) Private gain or advancement; or
 - b) The expectation of private gain or advancement, or any other advantage accruing to the employee must be declared in a prescribed form.

Thus, conflicts of interest of any bid committee member or any person involved in the sourcing process must be declared in a prescribed form.

- 9.3 If a Bidder / Supplier has or becomes aware of a conflict of interest i.e. a family, business and / or social relationship between its owner(s) / member(s) / director(s) / partner(s) / shareholder(s) and a Transnet employee, member of Transnet's Board of Directors in respect of a bid which will be considered for the bid process, the Bidder / Supplier:
- a) must disclose the interest and its general nature, in the Request for Proposal ("RFX") declaration form; or
 - b) must notify Transnet immediately in writing once the circumstances has arisen.

The Bidder / Supplier shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any committee member or any person involved in the sourcing process, where this is done, Transnet shall be entitled forthwith to rescind the contract and all other contracts with the Bidder / Supplier.

10 MONITORING

- 10.1 Transnet will be responsible for appointing an independent Monitor to:
- a) Conduct random monitoring of compliance to the provisions of this Integrity Pact for contracts entered into between Transnet and the Bidder / Supplier for less than R100,000.000 (one hundred million Rand) in value;
 - b) Monitor compliance to the provisions of this Integrity Pact for contracts entered into between Transnet and the Bidder / Supplier for greater than R100,000.000 (one hundred million Rand) in value; and
 - c) Investigate any allegation of violation of any provisions of this Integrity Pact for contracts entered into between Transnet and the Bidder / Supplier, irrespective of value.
- 10.2 The Monitor will be subjected to Transnet's Terms of Conditions of Contract for the Provision of Services to Transnet, as well as to Transnet's Supplier Code of Conduct.

11 EXAMINATION OF FINANCIAL RECORDS, DOCUMENTATION AND/OR ELECTRONIC DATA

For the purpose of Monitoring, as stipulated above, the Monitor shall be entitled to:

- a) Examine the financial records, documentation and or electronic data of the Bidder / Supplier / Transnet. The Bidder / Supplier / Transnet shall provide all requested information / documentation / data to the Monitor and shall extend all help possible for the purpose of such examination.

12 DISPUTE RESOLUTION

12.1 Transnet recognises that trust and good faith are pivotal to its relationship with its Bidders / Suppliers. When a dispute arises between Transnet and its Bidder / Supplier, the parties should use their best endeavours to resolve the dispute in an amicable manner, whenever possible. Litigation in bad faith negates the principles of trust and good faith on which commercial relationships are based. Accordingly, following a blacklisting process as mentioned in paragraph 6 above, Transnet will not do business with a company that litigates against it in bad faith or is involved in any action that reflects bad faith on its part. Litigation in bad faith includes, but is not limited to the following instances:

- a) **Vexatious proceedings:** these are frivolous proceedings which have been instituted without proper grounds;
- b) **Perjury:** where a supplier makes a false statement either in giving evidence or on an affidavit;
- c) **Scurrilous allegations:** where a supplier makes allegations regarding a senior Transnet employee which are without proper foundation, scandalous, abusive or defamatory; and
- d) **Abuse of court process:** where a supplier abuses the court process in order to gain a competitive advantage during a bid process.

13 GENERAL

13.1 This Integrity Pact is governed by and interpreted in accordance with the laws of the Republic of South Africa.

13.2 The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the law relating to any civil or criminal proceedings.

13.3 The validity of this Integrity Pact shall cover all the bidding processes and will be valid for an indefinite period unless cancelled by either Party.

13.4 Should one or several provisions of this Integrity Pact turn out to be invalid the remainder of this Integrity Pact remains valid.

13.5 Should a Bidder / Supplier be confronted with dishonest, fraudulent or corruptive behaviour of one or more Transnet employees, Transnet expects its Bidders / Suppliers to report this behaviour directly to a senior Transnet official / employee or alternatively by using Transnet's "Tip-Off Anonymous" hotline number 0800 003 056, whereby your confidentiality is guaranteed.

The Parties hereby declare that each of them has read and understood the clauses of this Integrity Pact and shall abide by it. To the best of the Parties' knowledge and belief, the information provided in this Integrity Pact is true and correct.

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TRANSNET SOC LIMITED

(Registration no. 1990/000900//30)

**SAFETY ARRANGEMENTS AND PROCEDURAL COMPLIANCE
WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT
(ACT 85 OF 1993) AND APPLICABLE REGULATIONS****1. General**

- 1.1 The Contractor and Transnet Limited (hereinafter referred to as "Transnet") are individual employers, each in its own right, with their respective duties and obligations set out in the Occupational Health and Safety Act, Act 85 of 1993 (the Act) and applicable Regulations.
- 1.2 The Contractor accepts, in terms of the General Conditions of Contract and in terms of the Act, his obligations as an employer in respect of all persons in his employ, other persons on the premises or the Site or place of work or on the work to be executed by him, and under his control. He shall, before commencement with the execution of the contract work, comply with the provisions set out in the Act, and shall implement and maintain a Health and Safety Plan as described in the Construction Regulations, 2003 and as approved by Transnet, on the Site and place of work for the duration of the Contract.
- 1.3 The Contractor accepts his obligation to complying fully with the Act and applicable Regulations notwithstanding the omission of some of the provisions of the Act and the Regulations from this document.
- 1.4 Transnet accepts, in terms of the Act, its obligations as an employer of its own employees working on or associated with the site or place of work, and the Contractor and Technical Officer or his deputy shall at all times, co-operate in respect of the health and safety management of the site, and shall agree on the practical arrangements and procedures to be implemented and maintained during execution of the Works.
- 1.5 In the event of any discrepancies between any legislation and this specification, the applicable legislation will take precedence.

2. Definitions

- 2.1 In this Specification any word or expression to which a meaning has been assigned in the Construction Regulations, shall have the meaning so assigned to it, unless the context otherwise indicates: -
- 2.2 The work included in this Contract shall for the purposes of compliance with the Act be deemed to be "**Construction Work**", which, in terms of the Construction Regulations, 2003 means any work in connection with: -
- (a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;

- (b) the installation, erection, dismantling or maintenance of fixed plant where such work includes the risk of a person falling;
 - (c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
 - (d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;
- 2.3 **“competent person”** in relation to construction work, means any person having the knowledge, training and experience specific to the work or task being performed: Provided that where appropriate qualifications and training are registered as per the South African Qualifications Authority Act, 1995 these qualifications and training shall be deemed to be the required qualifications and training;
- 2.4 **“contractor”** means principal contractor and **“subcontractor”** means contractor as defined by the Construction Regulations, 2003.
- 2.5 **“fall protection plan”** means a documented plan, of all risks relating to working from an elevated position, considering the nature of work undertaken, and setting out the procedures and methods applied to eliminate the risk;
- 2.6 **“health and safety file”** means a file or other record in permanent form, containing the information required to be kept on site in accordance with the Act and applicable Regulations;
- 2.7 **“Health and Safety Plan”** means a documented plan which addresses the hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified;
- 2.8 **“Risk Assessment”** means a programme to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard;
- 2.9 **“the Act”** means the Occupational Health and Safety Act No. 85 of 1993.

3. Procedural Compliance

3.1 The Contractor who intends to carry out any construction work shall, before carrying out such work, notify the Provincial Director in writing if the construction work:-

- (a) includes the demolition of a structure exceeding a height of 3 metres; or
- (b) includes the use of explosives to perform construction work; or
- (c) includes the dismantling of fixed plant at a height greater than 3m,

and shall also notify the Provincial Director in writing when the construction work exceeds 30 days or will involve more than 300 person days of construction work and if the construction work:-

- (a) includes excavation work deeper than 1m; or

- (b) includes working at a height greater than 3 metres above ground or a landing.
- 3.2 The notification to the Provincial Director shall be on a form similar to Annexure A of the Construction Regulations, 2003, also shown in Annexure 1 of this Specification. The Contractor shall ensure that a copy of the completed notification form is kept on site for inspection by an inspector, Technical Officer or employee.
- 3.3 The Contractor shall, in accordance with the Act and applicable Regulations, make all the necessary appointments of competent persons in writing on a form similar to Annexure 2 of this Specification and deliver copies thereof to the Technical Officer. Copies should also be retained on the health and safety file.
- 3.4 Subcontractors shall also make the above written appointments and the Contractor shall deliver copies thereof to the Technical Officer.
- 3.5 In the case of a self-employed Contractor or any subcontractor who has the appropriate competencies and supervises the work himself, the appointment of a construction supervisor in terms of regulation 6.1 of the Construction Regulations, 2003 will not be necessary. The Contractor shall in such a case execute and sign a declaration, as in Annexure 3, by which he personally undertakes the duties and obligations of the "Chief Executive Officer" in terms of section 16(1) of the Act.
- 3.6 The Contractor shall, before commencing any work, obtain from the Technical Officer an access certificate as in Annexure 4 executed and signed by him, permitting and limiting access to the designated site or place of work by the Contractor and any subcontractors under his control.
- 3.7 Procedural compliance with Act and Regulations, as above, shall also apply to any subcontractors as employers in their own right. The Contractor shall furnish the Technical Officer with full particulars of such subcontractors and shall ensure that they comply with the Act and Regulations and Transnet's safety requirements and procedures.

4. Special Permits

Where special permits are required before work may be carried out such as for hotwork, isolation permits, work permits and occupations, the Contractor shall apply to the Technical Officer or the relevant authority for such permits to be issued. The Contractor shall strictly comply with the conditions and requirements pertaining to the issue of such permits.

5. Health and Safety Programme

- 5.1 The Tenderer shall, with his tender, submit a Health and Safety Programme setting out the practical arrangements and procedures to be implemented by him to ensure compliance by him with the Act and Regulations and particularly in respect of: -
- (i) The provision, as far as is reasonably practical, of a working environment that is safe and without risk to the health of his employees and subcontractors in terms of section 8 of the Act;

- (ii) the execution of the contract work in such a manner as to ensure in terms of section 9 of the Act that persons other than those in the Contractor's employment, who may be directly affected by the contract work are not thereby exposed to hazards to their health and safety;
 - (iii) ensuring, as far as is reasonably practical, in terms of section 37 of the Act that no employee or subcontractor of the Contractor does or omits to do any act which would be an offence for the Contractor to do or omit to do.
- 5.2 The Contractor's Health and Safety Programme shall be based on a risk assessment in respect of the hazards to health and safety of his employees and other persons under his control that are associated with or directly affected by the Contractor's activities in performing the contract work and shall establish precautionary measures as are reasonable and practical in protecting the safety and health of such employees and persons.
- 5.3 The Contractor shall cause a risk assessment contemplated in clause 5.2 above to be performed by a competent person, appointed in writing, before commencement of any Construction Work and reviewed during construction. The Risk Assessments shall form part of the Health and Safety programme to be applied on the site and shall include at least the following:
- (a) The identification of the risks and hazards that persons may be exposed to;
 - (b) the analysis and evaluation of the hazards identified;
 - (c) a documented Health and Safety Plan, including safe work procedures to mitigate, reduce or control the risks identified;
 - (d) a monitoring and review plan.
- 5.4 The Health and Safety Plan shall include full particulars in respect of: -
- (a) The safety management structure to be instituted on site or place of work and the names of the Contractor's health and safety representatives and members of safety committees where applicable;
 - (b) the safe working methods and procedures to be implemented to ensure the work is performed in compliance with the Act and Regulations;
 - (c) the safety equipment, devices and clothing to be made available by the Contractor to his employees;
 - (d) the site access control measures pertaining to health and safety to be implemented;
 - (e) the arrangements in respect of communication of health and safety related matters and incidents between the Contractor, his employees, subcontractors and the Technical Officer with particular reference to the reporting of incidents in compliance with Section 24 and General Administrative Regulation 8 of the Act and with the pertinent clause of the General Conditions of Contract forming part of the Contract and

- (f) the introduction of control measures for ensuring that the Safety Plan is maintained and monitored for the duration of the Contract.
- 5.4 The Health and Safety programme shall be subject to the Technical Officer's approval and he may, in consultation with the Contractor, order that additional and/or supplementary practical arrangements and procedures be implemented and maintained by the Contractor or that different working methods or safety equipment be used or safety clothes be issued which, in the Technical Officer's opinion, are necessary to ensure full compliance by the Contractor with his obligations as an employer in terms of the Act and Regulations. The Technical Officer or his deputy shall be allowed to attend meetings of the Contractor's safety committee as an observer.
- 5.5 The Contractor shall take reasonable steps to ensure that each subcontractor's Health and Safety Plan is implemented and maintained on the construction site: Provided that the steps taken, shall include periodic audits at intervals mutually agreed to between the them, but at least once every month.
- 5.6 The Contractor shall stop any subcontractor from executing any construction work, which is not in accordance with the Contractor's, and/or subcontractor's Health and Safety Plan for the site or which poses a threat to the health and safety of persons.
- 5.7 The Contractor shall ensure that a copy of the Health and Safety Plan is available on site for inspection by an inspector, Technical Officer, agent, subcontractor, employee, registered employee organisation, health and safety representative or any member of the health and safety committee.
- 5.8 The Contractor shall consult with the health and safety committee or, if no health and safety committee exists, with a representative group of employees, on the development, monitoring and review of the Risk Assessment.
- 5.9 The Contractor shall ensure that all employees under his control are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the Risk Assessment.
- 5.10 The Contractor shall ensure that all subcontractors are informed regarding any hazard as stipulated in the Risk Assessment before any work commences, and thereafter at such times as may be determined in the Risk Assessment.
- 5.11 The Contractor shall ensure that all visitors to a construction site undergoes health and safety induction pertaining to the hazards prevalent on the site and shall be provided with the necessary personal protective equipment.
- 6. Fall Protection Plan**
- 6.1 In the event of the risk and hazard identification, as required in terms of clause 5.3 of this Specification, revealing risks relating to working from an elevated position the contractor shall cause the designation of a competent person, responsible for the preparation of a fall protection plan;

- 6.2 The Contractor shall implement, maintain and monitor the fall protection plan for the duration of Contract. The Contractor shall also take such steps to ensure the continued adherence to the fall protection plan.
- 6.3 The fall protection plan shall include:-
- (a) A Risk Assessment of all work carried out from an elevated position;
 - (b) the procedures and methods to address all the identified risks per location;
 - (c) the evaluation of the employees physical and psychological fitness necessary to work at elevated positions;
 - (d) the training of employees working from elevated positions; and
 - (e) the procedure addressing the inspection, testing and maintenance of all fall protection equipment.

7. Hazards and Potential Hazardous Situation

The Contractor and the Technical Officer shall immediately notify one another of any hazardous or potentially hazardous situations which may arise during performance of the Contract by the Contractor or any subcontractor and, in particular, of such hazards as may be caused by the design, execution and/or location and any other aspect pertaining to the contract work.

8. Health and Safety File

- 8.1 The Contractor shall ensure that a health and safety file is opened and kept on site and shall include all documentation required as per the Act and applicable regulations, and made available to an inspector, the Technical Officer, or subcontractor upon request.
- 8.2 The Contractor shall ensure that a copy of the both his Health and Safety Plan as well as any subcontractor's Health and Safety Plan is available on request to an employee, inspector, contractor or the Technical Officer.
- 8.3 The Contractor shall hand over a consolidated health and safety file to the Technical Officer upon completion of the Construction Work and shall in addition to documentation mentioned in the Act and applicable Regulations include a record of all drawings, designs, materials used and other similar information concerning the completed structure.

ANNEXURE 1**OCCUPATIONAL HEALTH AND SAFETY ACT, 1993****Regulation 3(1) of the Construction Regulations****NOTIFICATION OF CONSTRUCTION WORK**

-
-
- 1(a) Name and postal address of principal contractor:

- (b) Name and tel. no of principal contractor's contact person:

2. Principal contractor's compensation registration number: _____
- 3.(a) Name and postal address of client:

- (b) Name and tel no of client's contact person or agent:

- 4.(a) Name and postal address of designe (s) for the project:

- (b) Name and tel. no of designe (s) contact person:

5. Name and telephone number of principal contractor's construction supervisor on site appointed in terms of regulation 6(1).

6. Names of principal contractor's construction sub-ordinate supervisors on site appointed in terms of regulation 6(2).

7. Exact physical address of the construction site or site office:

8. Nature of the construction work:

9. Expected commencement date: _____
10. Expected completion date: _____

11. Estimated maximum number of persons on the construction site: _____

12. Planned number of contractors on the construction site accountable to the principle contractor:

13. Name(s) of contractors already chosen.

Principal Contractor

Date

Client

Date

* THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR PRIOR TO COMMENCEMENT OF WORK ON SITE.

* ALL PRINCIPAL CONTRACTORS THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER PRINCIPAL CONTRACTOR ON THE SAME SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

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ANNEXURE 2

(COMPANY LETTER HEAD)

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 OF 1993) :

SECTION/REGULATION: _____

REQUIRED COMPETENCY: _____

In terms of _____ I, _____

representing the Employer) do hereby appoint _____

As the Competent Person on the premises at _____

(physical address) to assist in compliance with the Act and the applicable Regulations.

Your designated area/s is/are as follows :-

Date : _____

Signature :- _____

Designation :- _____

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ACCEPTANCE OF DESIGNATION

I, _____ do hereby accept this Designation and acknowledge that I understand the requirements of this appointment.

Date : _____

Signature :- _____

Designation :- _____

ANNEXURE 3**(COMPANY LETTER HEAD)****OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 OF 1993) :****DECLARATION**

In terms of the above Act I, _____ am personally assuming the duties and obligations as Chief Executive Officer, defined in Section 1 of the Act and in terms of Section 16(1), I will, as far as is reasonably practicable, ensure that the duties and obligations of the Employer as contemplated in the above Act are properly discharged.

Signature :- _____

Date : _____

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ANNEXURE 4**(LETTER HEAD OF BUSINESS DIVISION OR UNIT OF TRANSNET LIMITED)****SITE ACCESS CERTIFICATE**

Access to : _____ (Area)
 Name of Contractor/Builder :- _____
 Contract/Order No.: _____

The contract works site/area described above are made available to you for the carrying out of associated works

In terms of your contract/order with
 (company) _____

Kindly note that you are at all times responsible for the control and safety of the Works Site, and for persons under your control having access to the site.

As from the date hereof you will be responsible for compliance with the requirements of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) as amended, and all conditions of the Contract pertaining to the site of the works as defined and demarcated in the contract documents including the plans of the site or work areas forming part thereof.

Signed : _____ Date : _____
 TECHNICAL OFFICER

ACKNOWLEDGEMENT OF RECEIPT

Name of Contractor/Builder :- _____ I,
 _____ do hereby acknowledge and accept the duties
 and obligations in respect of the Safety of the site/area of Work in terms of the Occupational Health and
 Safety Act; Act 85 of 1993.

Name : _____ Designation : _____

Signature : _____ Date : _____

E7/1 (July 1998)

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

(This Specification shall be used in Transnet Contracts

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1 DEFINITIONS

The following definitions shall apply :

Authorised Person. A person whether an employee of Transnet or not, who has been specially authorised to undertake specific duties in terms of Transnet's publication SAFETY INSTRUCTIONS: HIGH-VOLTAGE ELECTRICAL EQUIPMENT, 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 Transnet to carry out work on its behalf.

Dead. Isolated and earthed.

Electrical Officer (Contracts). The person appointed in writing by the responsible Electrical Engineer in Transnet 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 Transnet from time to time as the Executive Officer to act according to the rights and powers held by and obligations placed upon him in terms of the Contract.

High-Voltage. A voltage normally exceeding 1 000 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 forms 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 3 metres of live exposed high-voltage electrical equipment.

Occupation. An authorisation granted by Transnet for work to be carried out under specified conditions on, over under or adjacent to railway lines.

Occupation Between Trains. An occupation during an interval between successive trains.

Project Manager. The person or juristic person appointed by Transnet 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 staff under his control to work on, over, under or adjacent to railway lines and in the vicinity of high-voltage electrical equipment.

Technical Officer. The person or juristic person appointed by Transnet from time to time as the Technical Officer, to administer the Contractor's performance and execution of the Works according to the powers and rights held by and obligations placed upon the Technical Officer in terms of the Contract.

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.

PART A - GENERAL SPECIFICATION

2. AUTHORITY OF OFFICERS OF TRANSNET

- 2.1 The Contractor shall co-operate with the officers of Transnet and shall comply with all instructions issued and restrictions imposed with respect to the Works which bear on the existence and operation of Transnet's railway lines and high-voltage equipment.
- 2.2 Without limiting the generality of the provisions of 2.1, any duly authorised representative of Transnet, having identified himself, may stop the work if, in his opinion, the safe passage of trains or the safety of Transnet assets or any person is affected. **CONSIDERATIONS OF SAFETY SHALL TAKE PRECEDENCE OVER ALL OTHER CONSIDERATIONS.**

3. CONTRACTOR'S REPRESENTATIVES

- 3.1 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 Technical Officer with the names, addresses and telephone numbers of the representatives.
- 3.2 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 obligations in respect thereof.

4. OCCUPATIONS AND WORK PERMITS

- 4.1 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 Technical Officer and at times to suit Transnet requirements.
- 4.2 The Contractor shall organise the Works in a manner, which will minimise the number and duration of occupations and work permits required.
- 4.3 Transnet will not be liable for any financial 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.
- 4.4 The Contractor shall submit to the Technical Officer, in writing, requests for occupations or work permits together with details of the work to be undertaken, at least 14 days before they are required. Transnet does not undertake to grant an occupation or work permit for any particular date, time or duration.
- 4.5 Transnet 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 costs caused by the cancellation shall be born by the Contractor except as provided for in clauses 4.6 to 4.8.

- 4.6 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.
- 4.7 When the Contractor is notified less than 2 hours before the schedule 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.
- 4.8 Reimbursement the Contractor for any loss of working time in terms of 4.6 and 4.7, 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 Technical Officer certifies that no other work on which the labour and plant could be employed was immediately available.
- 4.9 Before starting any work for which an occupation has been arranged, the Contractor shall obtain from the Technical Officer written confirmation of the date, time and duration of the occupation.
- 4.10 Before starting any work for which a work permit has been arranged, the Responsible Representative shall read and sign portion C of form No. T.1276 signifying that he is aware of the limits 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 T.1276 form, thereby acknowledging that he is aware that the electrical equipment is to be made "live". The Contractor shall advise all his workmen accordingly.

5. SPEED RESTRICTIONS AND PROTECTION

- 5.1 When speed restrictions are imposed by Transnet 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.
- 5.2 When the Technical Officer 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 Transnet's and the Contractor's personnel and assets, the public and including trains. Transnet will provide training free of charge of the Contractor's flagmen and other personnel performing protection duties. The Contractor shall consult with the Technical Officer, whenever he considers that protection will be necessary, taking into account the minimum permissible clearances set out in appendixes 1 to 4.
- 5.3 The Contractor shall appoint a Responsible Representative to receive and transmit any instruction, which may be given by Transnet personnel providing protection.

6. ROADS ON TRANSNET PROPERTY

The provision of clause 25 of the E.5, General Conditions of Contract, or clause 23 of the E.5 (MW), General Conditions of Contract for Maintenance Works, shall apply to the use of existing roads on Transnet's property.

7. **CLEARANCES**

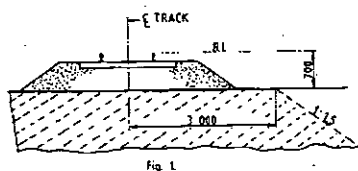
- 7.1 No temporary works shall encroach on the appropriate minimum clearances set out in Annexure 1 BE97-01 Sheets 1,2, 3 and 5 of 5.

8. **STACKING OF MATERIAL**

- 8.1 The Contractor shall not stack any material closer than 3 m from the centre line of any railway line without prior approval of the Technical Officer.

9. **EXCAVATION, SHORING, DEWATERING AND DRAINAGE**

- 9.1 Unless otherwise approved by the Technical Officer any excavation adjacent to a railway line shall not encroach on the hatched area shown in Figure 1.



- 9.2 The Contractor shall provide at his own cost any shoring, dewatering or drainage of any excavation unless otherwise stipulated elsewhere in the Contract.
- 9.3 Where required by the Technical Officer, 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.
- 9.4 The Contractor shall prevent ingress of water to the excavation but where water does enter, he shall dispose of it as directed by the Technical Officer.
- 9.5 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.

10. **FALSEWORK FOR STRUCTURES**

- 10.1 Drawings of falsework for the construction of any structure over, under or adjacent to any railway line shall be submitted to the Technical Officer 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 and that the drawings are correct and in accordance with the design.
- 10.2 After the falsework has been erected and before any load is applied, the Contractor shall submit to the Technical Officer a certificate signed by a registered professional engineer certifying that he has checked the falsework and that it has been erected in accordance with the drawings. Titles and numbers of the drawings shall be stated in the certificate. Notwithstanding permission given by the Technical Officer to proceed, the Contractor shall be entirely responsible for the safety and adequacy of the falsework.

11. **PILING**

11.1 The Technical Officer will specify the conditions under which piles may be installed on Transnet property.

12. **UNDERGROUND SERVICES**

12.1 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 damaged thereby.

12.2 Any damage shall be reported immediately to the Technical Officer, or to the official in charge at the nearest station, or to the traffic controller in the case of centralised traffic control.

13. **BLASTING**

13.1 The provisions of clause 23 of the E.5, General Conditions of Contract or clause 21 of the E.5 (MW), General Conditions of Contract for Maintenance Work, shall apply to all blasting operations undertaken in terms of the Contract.

13.2 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).

13.3 Blasting within 500m of a railway line will only be permitted during intervals between trains. A person appointed by the Technical Officer, 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.

13.4 The flagmen described in 13.3, where provided by Transnet, are for the protection of trains and Transnet 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.

13.5 The person described in 13.3 will record in a book provided and retained by Transnet the dates and times

(i) when each request is made by him to the controlling station for permission to 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 safe for the passage of trains.

13.6 Before each blast the Contractor shall record in the same book, the details of the blast to be carried out. The person appointed by the Technical Officer and the person who will do the blasting shall both sign the book whenever an entry described in 13.5 is made.

13.7 The terms of clause 27 hereof shall be strictly adhered to.

14. **RAIL TROLLEYS**

14.1 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 Technical Officer and under the conditions stipulated by him.

14.2 All costs in connection with such trolley working requested by the Contractor shall, unless otherwise agreed, be borne by the Contractor, excluding the costs of any train protection services normally provided free of charge by Transnet.

15. **SIGNAL TRACK CIRCUITS**

15.1 Where signal track circuits are installed, the Contractor shall ensure that no material capable of conducting an electrical current makes contact between rails of a railway line/lines.

15.2 No signal connections on track-circuited tracks shall be covered without the Technical Officer's knowledge and consent.

16. **PENALTY FOR DELAYS TO TRAINS**

16.1 If any trains are delayed by the Contractor and the Technical Officer is satisfied that the delay was avoidable, a penalty will be imposed on the Contractor of R5 000 per hour or part thereof for the period of delay, irrespective of the number of trains delayed.

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

17. **GENERAL**

- 17.1 This specification is based on the contents of Transnet's publication SAFETY INSTRUCTIONS, HIGH-VOLTAGE ELECTRICAL EQUIPMENT, 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 Transnet, and the onus rests on the Contractor to ensure that he obtains a copy.
- 17.2 The Contractor's attention is drawn in particular to the contents of Part I, Sections 1 and 2 of the Safety Instructions : High-Voltage Electrical Equipment.
- 17.3 The Safety Instructions : High-Voltage Electrical Equipment 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).
- 17.4 This specification must be read in conjunction with and not in lieu of the Safety Instructions : High-Voltage Electrical Equipment.
- 17.5 The Contractor shall obtain the approval of the Electrical Officer (Contracts) before any work is done which causes or could cause any portion of a person's body or the tools he is using or any equipment he is handling, to come within 3 metres of any live high-voltage equipment.
- 17.6 The Contractor shall regard all high-voltage equipment as live unless a work permit is in force.
- 17.7 Safety precautions taken or barriers erected shall comply 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, bear the cost of the provision of the barriers and other safety precautions required, including the attendance of Transnet staff where this is necessary.
- 17.8 No barrier shall be removed unless authorised by the Electrical Officer (Contracts).

18. **WORK ON BUILDINGS OR FIXED STRUCTURES**

Before any work is carried out or 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.

- 18.2 No barrier erected to comply with the requirements of the Electrical Officer (Contracts) shall be used as temporary staging or shuttering for any part of the Works.
- 18.3 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 piers, abutments and retaining walls and 1,5 metres above any working level in the case of parapets.

19. **WORK DONE ON OR OUTSIDE OF ROLLING STOCK, INCLUDING LOADING OR UNLOADING**

19.1 No person shall stand, climb or work whilst on any platform, surface or foothold higher than the normal unrestricted places of access, namely -

- (i) the floor level of trucks;
- (ii) external walkways on diesel, steam and electric locomotives, steam heat vans, etc. and
- (iii) walkways between coaches and locomotives.

When in these positions, no person may raise his hands or any equipment or material he is handling above his head.

19.2 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.

19.3 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.

19.4 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.

19.5 Where the conditions in 19.1 to 19.3 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 employee of the Contractor to be specially trained by Transnet and at its costs, as an Authorized 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 in Transnet.

20. **USE OF EQUIPMENT**

20.1 Measuring Tapes and Devices

20.1.1 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.

20.1.2 In windy conditions the distance shall be increased to ensure that if the tape should fall it will not be blown nearer than 3 metres from the live high-voltage equipment.

- 20.1.3 Special measuring devices longer than 2 metres such as survey staves and rods may be used if these are of non-conducting material and approved by the responsible Electrical Engineer in Transnet, but these devices must not be used within 3 metres of live high-voltage equipment in rainy or wet conditions.
- 20.1.4 The assistance of the Electrical Officer (Contracts) shall be requested when measurements within the limits defined in 20.1.1 to 20.1.3 are required.
- 20.1.5 The restrictions described in 20.1.1 to 20.1.3 do not apply on a bridge deck between permanent parapets nor in other situations where a barrier effectively prevents contact with the live high-voltage equipment.

20.2 Portable Ladders

- 20.2.1 Any type of portable ladder longer than 2 metres may only be used near live high-voltage equipment under the direct supervision of the Responsible Representative. He shall ensure that the ladder is always used in such a manner that the distance from the base of the ladder to any live high-voltage equipment is greater than the fully extended 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.

21. CARRYING AND HANDLING MATERIAL AND EQUIPMENT

- 21.1 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 two or more persons so as to maintain it as nearly as possible in a horizontal position should carry such material. The utmost care must be taken to ensure that no part of the material comes within 3 metres of any live high-voltage equipment.
- 21.2 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.
- 21.3 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.

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

- 22.1 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.

22.2 The cost of supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.

22.3 The provisions of clauses 22.1 and 22.2 shall also apply to the erection or removal of columns, antennae, trees, posts, etc.

23. **USE OF WATER**

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

24. **USE OF CONSTRUCTION PLANT**

24.1 "Construction plant" entails all types of plant including cranes, piling frames, boring machines, excavators, draglines, dewatering equipment and road vehicles with or without lifting equipment.

24.2 When work is being undertaken in such a position that it is possible for 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.

24.3 The cost of any supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.

24.4 When loads are handled by cranes, non-metallic rope hand lines shall be used, affixed to such loads so as to prevent their swinging and coming within 3 metres of live high-voltage equipment.

24.5 Clauses 24.1 to 24.4 shall apply mutatis mutandis to the use of maintenance machines of any nature.

25. **WORK PERFORMED UNDER DEAD CONDITIONS UNDER COVER OF A WORK PERMIT**

25.1 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.

25.2 If a work permit is issued the Responsible Representative shall -

- (i) before commencement of work ensure that the limits within which work may be carried out

have been explained to him by the Authorised Person who issued the permit to him, and that he fully understands these limits.

- (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.

26. **TRACTION RETURN CIRCUITS IN RAILS**

26.1 DANGEROUS CONDITIONS CAN BE CREATED BY REMOVING OR SEVERING ANY BOND.

26.2 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 Transnet personnel.

26.3 The Contractor shall not break any permanent bonds between rails or between rails and any structure. He shall give the Technical Officer at least 7 days written notice when removal of such bonds is necessary.

26.4 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.

27. **BLASTING**

27.1 The Contractor shall obtain the permission of the Electrical Officer (Contracts) before blasting, and shall give at least 14 days notice of his intention to blast.

27.2 No blasting shall be done in the vicinity of electrified lines unless a member of Transnet's electrical personnel is present.

27.3 The terms of clause 13 hereof shall be strictly adhered to.

28. **HIGH-VOLTAGE ELECTRICAL EQUIPMENT NOT MAINTAINED AND/OR OPERATED BY TRANSNET**

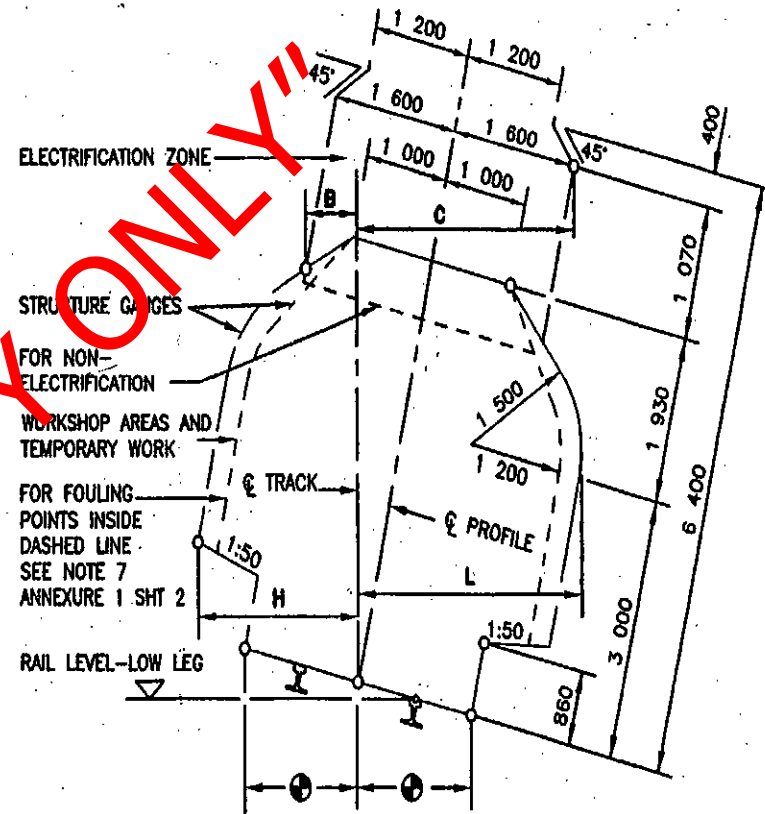
Where the work is undertaken on or near high-voltage electrical equipment which is not maintained and/or operated by Transnet, the Occupational Health and Safety Act No. 85 of 1993, and Regulations and Instructions, or the Mines Health and Safety Act (Act 29 of 1996), shall apply.

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.

"PREVIEW COPY ONLY"

RADIUS (m)	WITH CANT		NO CANT	WITH CANT	
	H (mm)	L (mm)	H & L	B (mm)	C (mm)
90	2 730	3 090	2 780	1 130	2 100
100	2 700	3 030	2 750	1 140	2 050
120	2 650	2 970	2 700	1 160	2 010
140	2 620	2 920	2 660	1 175	1 990
170	2 590	2 870	2 630	1 190	1 970
200	2 570	2 820	2 600	1 205	1 950
250	2 550	2 790	2 580	1 230	1 920
300	2 540	2 760	2 580	1 250	1 900
350	2 530	2 730	2 540	1 270	1 890
400	2 520	2 710	2 530	1 280	1 875
500	2 510	2 680	2 520	1 320	1 850
600	2 500	2 660	2 510	1 340	1 830
800	2 490	2 620	2 500	1 365	1 790
1 000	2 480	2 600	2 490	1 380	1 760
1 200	2 480	2 580	2 490	1 200	1 730
1 500	2 480	2 550	2 480	1 415	1 700
2 000	2 480	2 500	2 480	1 440	1 660
3 000	2 470	2 470	2 470	1 500	1 600
>5 000	2 460	2 460	2 460	1 600	1 600



"PREVIEW COPY ONLY"

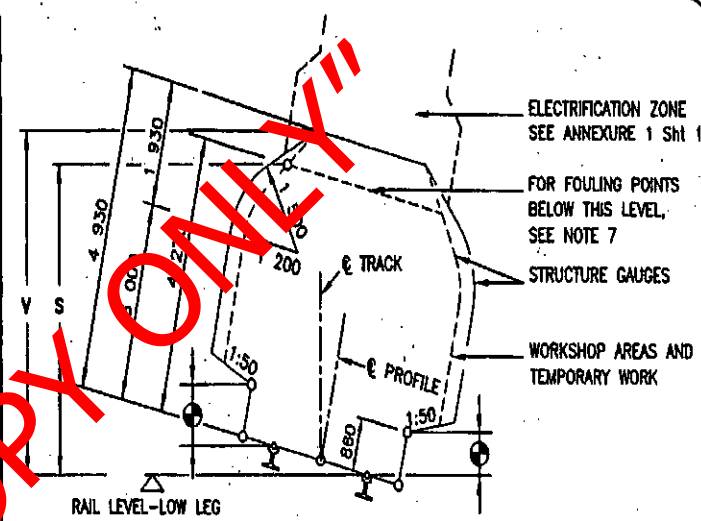
REMARKS:

1. H AND B IS THE REQUIRED HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT.
2. L AND C IS THE REQUIRED HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT.
3. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
4. FOR WORKSHOP AREAS AND TEMPORARY WORK, CLEARANCES H AND L MAY BE REDUCED BY 300mm.
5. Ⓢ SEE ANNEXURE 1 SHEET 3 FOR PLATFORM CLEARANCES.
6. ALSO REFER TO REMARKS 4 TO 8 OF ANNEXURE 1 SHEET 2.

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BE 97-01 SH 2 of 5 DATE : JUNE 2000

LOCATION	RADIUS (mm)	NOT ELECTRIFIED S (mm)	ELECTRIFIED (PRESENT OR FUTURE)	
			3KV & 25KV V (mm)	50KV V (mm)
	100	4 470	5 050	5 400
	300	4 410	5 020	5 370
	600	4 370	5 000	5 350
	1 000	4 350	4 990	5 340
	1 500	4 310	4 960	5 310
	2 000	4 290	4 940	5 290
	>3 000	4 270	4 930	5 280
* OVER OR NEAR POINTS AND CROSSING IF REQUIRED BY ELECTRICAL IRRESPECTIVE OF RADIUS			650	5 000



- REMARKS:
1. V IS THE REQUIRED VERTICAL CLEARANCE EXCEPT WHERE REDUCED CLEARANCE S APPLIES.
 2. S IS THE MINIMUM VERTICAL CLEARANCE FOR STRUCTURES AND TEMPORARY WORK OVER NON-ELECTRIFIED LINES.
 3. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
 4. FOR APPLICATION AT CURVES
 - 4.1 APPLY INCREASED CLEARANCES FOR CURVES TO POINTS 3m BEYOND THE ENDS OF THE CIRCULAR CURVE.
 - 4.2 REDUCE CLEARANCES AT A UNIFORM RATE OVER THE REMAINDER OF THE TRANSITION CURVE.
 - 4.3 FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 15m ALONG STRAIGHTS.
 5. NEW STRUCTURES: SEE BRIDGE CODE.
 6. TUNNELS: SEE DRAWING BE 82-35.
 7. FOULING POINTS: SEE CLAUSE B.1.
 8. CLEARANCES ARE BASED ON 15m BOGIE CENTRES AND 21,2m VEHICLE BODY LENGTH.
 9. SEE ANNEXURE 1 SHEET 3 FOR PLATFORM CLEARANCES.

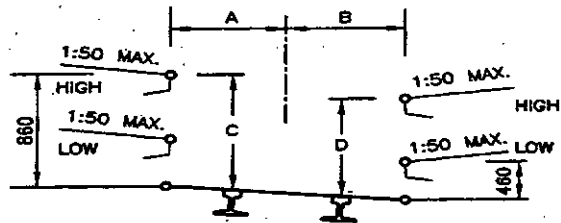
ANNEXURE 1
SHEET 2 of 5
AMENDMENT

VERTICAL CLEARANCES :
1 065mm TRACK GAUGE

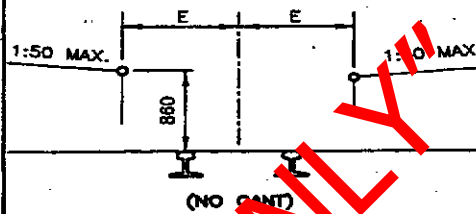
"PREVIEW"

PLATFORMS : TRACK GAUGE 1 065mm

PASSENGERS



GOODS

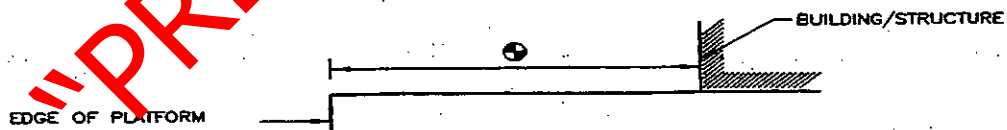


RADIUS (m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
90	1 690	1 820	890	810	1 840
100	1 650	1 790	890	810	1 810
120	1 610	1 740	890	810	1 760
140	1 580	1 700	890	810	1 720
170	1 550	1 660	890	810	1 690
200	1 530	1 630	890	820	1 660
250	1 520	1 600	890	820	1 640
300	1 520	1 580	890	830	1 620
350	1 520	1 560	880	830	1 600
400	1 520	1 550	880	840	1 590
500	1 520	1 540	880	850	1 580
600	1 520	1 530	870	850	1 570
800	1 520	1 520	860	860	1 560
1 200	1 520	1 520	860	860	1 550
2 000	1 520	1 520	860	860	1 540
3 000	1 520	1 520	860	860	1 530
STRAIGHT	1 520	1 520	860	860	1 520

REMARKS:

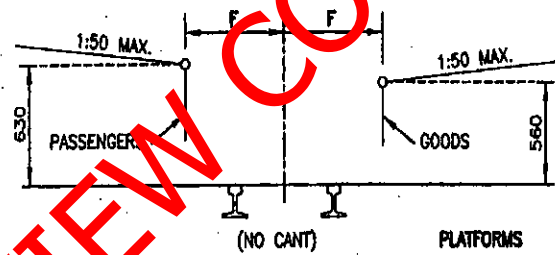
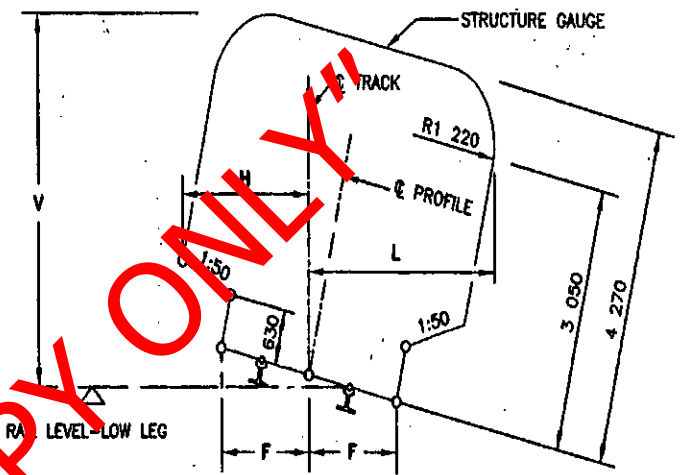
- NO CANT TO BE APPLIED EXCEPT WHEN THE GOODS PLATFORM IS ON A RUNNING LINE.
- INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
- 8m TO MAIN STATION-BUILDINGS AND 3m TO ALL OTHER STRUCTURES.
- TOLERANCES : SEE CLAUSE 8.0.10.

STRUCTURES ON PLATFORMS : 1 065mm AND 810mm TRACK GAUGE



BE 97-01 SMT 5 of 5 DATE : JUNE 2000

RADIUS (m)	WITH CANT		NO CANT	V (mm)
	H (mm)	L (mm)	H & L (mm)	
50	2 370	2 490	2 400	4 320
70	2 310	2 420	2 330	4 310
100	2 260	2 370	2 280	4 310
140	2 220	2 340	2 250	4 310
200	2 200	2 300	2 220	4 300
300	2 190	2 270	2 200	4 300
600	2 180	2 230	2 190	4 290
700	2 170	2 200	2 180	4 270
1 000	2 170	2 170	2 170	4 270
>2 000	2 180	2 180	2 180	4 270



REMARKS:

1. H IS THE MINIMUM HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT.
2. L IS THE MINIMUM HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT.
3. V IS THE MINIMUM VERTICAL CLEARANCE.
4. FOR APPLICATION AT CURVES:
 - 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.
 - 4.3 FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 18m ALONG STRAIGHTS.
5. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
6. ALSO REFER TO REMARKS 5, 6 AND 7 OF ANNEXURE 1 SHEET 2.
7. CLEARANCES ARE BASED ON 9 700mm BOGIE CENTRES AND 13 700mm VEHICLE BODY LENGTH.
8. SEE ANNEXURE 1 SHEET 3 FOR STRUCTURES ON PLATFORMS.

RADIUS (m)	F (mm)
50	1 550
60	1 510
80	1 460
100	1 430
120	1 410
140	1 390
170	1 380
200	1 370
250	1 360
300	1 350
600	1 330
1 000	1 320
>2 000	1 320
STRAIGHT	1 310

ANNEXURE 1
SHEET 5 of 5
AMENDMENT

CLEARANCES : 610mm TRACK GAUGE